Index Number CERCLA 02-2010-2017

BURNT MILL POND SUPPLEMENTAL SEDIMENT SAMPLING REPORT

SHIELDALLOY METALLURGICAL SUPERFUND SITE
NEWFIELD, NEW JERSEY

TRC Job No. 112434ES

Prepared by:

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January 2016

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January 22, 2016

Sherrel Henry
Remedial Project Manager
Emergency and Remedial Response Division
US Environmental Protection Agency, Region 2
290 Broadway, 20th Floor
New York, NY 10007-1866

Re: Shieldalloy Metallurgical Corporation Superfund Site
Newfield, NJ
Burnt Mill Pond Supplemental Sediment Sampling Report

Dear Ms. Henry:

TRC Environmental, Inc. (TRC) is pleased to provide this Burnt Mill Pond Supplemental Sediment Sampling Report for the Shieldalloy Metallurgical Corporation (SMC) Superfund Site (Site), located in Newfield, New Jersey. The U.S. Environmental Protection Agency (EPA) issued the Operable Unit 2 (OU2) Record of Decision (ROD), indicating that Burnt Mill Pond sediments do not demonstrate risk and do not need to be remediated. Outside the scope of the ROD, the EPA asked whether SMC/TRC would be willing to voluntarily collect four sediment samples in the same locations as the prior samples to verify the ROD findings. SMC and TRC agreed to perform this work. On March 10, 2015, TRC and SMC executed an Administrative Order on Consent (AOC) with EPA to complete the Remedial Design for the OU2 ROD remedy. The Statement of Work in connection with that AOC also indicated that four sediment samples from Burnt Mill Pond would be collected and analyzed.

This letter report fulfills the requirement of Section 3.2.2 of the AOC's Statement of Work. Work was performed in accordance with the May 7, 2015 Burnt Mill Pond Sampling Work Plan, which was conditionally approved by the EPA and the New Jersey Department of the Environment (NJDEP) on June 5, 2015.

A summary of background information, sampling activities, data quality, sample results, and summary and conclusions are discussed in the sections below.

Background Information

Burnt Mill Pond is located approximately one mile and a half southwest of the SMC Facility and receives surface water discharge from two streams, namely, the Hudson Branch (from the east, which originates near the SMC Facility) and Burnt Mill Branch (from the north, under Arbor Drive). The City of Vineland drained Burnt Mill Pond in 2011, as directed by the New Jersey Department of Environmental Protection (NJDEP), due to the potential threat of a dam breaching. When Burnt Mill Pond is full, it is reported to be shallow, with an approximate depth of 2.4 feet (ft), and a surface area of approximately 15 acres. The City of Vineland reports their intention to rebuild the dam and refill Burnt Mill Pond in winter 2015/2016.

As summarized in the OU2 Remedial Investigation Report (RIR, TRC 2013), approved by the EPA May 5, 2014, five sediment samples (SD-25, -26, -27, -29, -30) were collected from Burnt Mill Pond, as part of a broader study. Three samples (SD-25, SD-26, and SD-27) were located along the channel (under Burnt Mill Pond) that connects Hudson Branch to the Burnt Mill Pond discharge. These three locations were selected in locations of expected sediment transport, in order to bias results high. Locations of SD-29 and SD-30 were selected towards the flow path from Burnt Mill Branch toward the Burnt Mill Pond discharge. These two samples, therefore, were biased low.

Two sediments samples (SD-28, SD-38) were collected in Burnt Mill Branch, downstream of the discharge of Burnt Mill Pond.

Sediment samples were collected from the 0.0 – 0.5 ft below the surface water interface (BWSI) and were analyzed for parameters including Target Analyte List (TAL) metals and pH, consistent with EPA and NJDEP protocols, and reviewed and approved by EPA and NJDEP. Sediment samples were collected prior to the draining of Burnt Mill Pond.

The EPA-approved OU2 RIR results concluded the following:

1. Metals (including manganese and mercury) were detected in the biased-low location, in the Burnt Mill Branch flowpath, at SD-29.
2. The chromium concentrations in SD-25, SD-26, and SD-27 ranged from 565 milligrams per kilogram (mg/kg) to 1,240 mg/kg.
3. Sediments in Burnt Mill Pond did not exceed the chromium Remediation Goal of 1,275 mg/kg.
4. The downgradient sediment samples (SD-28 and SD-38) did not exceed screening levels for metals.

The AOC indicated that four of the Burnt Mill Pond sediment locations should be re-sampled and analyzed for hexavalent and total chromium, as well as pH and oxidation potential (eH). This report summarizes the findings of the resampling.

Sampling Activities

Burnt Mill Pond sediment samples, SD-25R, SD-26R, SD-27R, and SD-29R, were re-collected during July 6 and 7, 2015, consistent with the approved workplan. Burnt Mill Pond remained drained at the time of sampling. The sediment samples were collected near the center of the channel. Sample locations were logged using GPS coordinates from mapping software. Consistent with RIR protocols, sediment samples were collected from a depth of 0.0 – 0.5 ft BWSI. Samples were logged on a chain of custody, and shipped in temperature controlled coolers to a New Jersey certified laboratory, and analyzed for total chromium, hexavalent chromium, pH, and Eh.

Data Quality

In accordance with laboratory protocols, sediment samples were analyzed twice, based on soluble and/or insoluble matrix spike recovery values, and the highest concentration results were reported in order to remain conservative.

Sample results were validated in accordance with EPA procedure. Data validation found that this sediment data met the rigorous EPA criteria; so the data quality is found to be sound.

Further, full New Jersey-deliverable lab results were submitted to the EPA and NJDEP, under separate cover. TRC understands that the NJDEP will perform independent data validation.

Sampling Results

Sediment sample results are provided in Table 1 and shown on Figure 1.

For the samples in the channel from Hudson Branch to the Burnt Mill Pond outfall (samples SD-25R, -26R, and -27R), the total chromium sediment concentrations ranged from 131 to 821 mg/kg. This concentration range is generally lower than the concentrations found in the 2013 RIR. The lower concentrations may be an indication of natural remedial mechanisms in the sediment.

For SD-25R, SD-26R, and SD-27R, the hexavalent chromium sediment concentrations ranged from 1.4 to 9.4 mg/kg, and are all below the NJDEP human health screening criteria of 20 mg/kg. The proportion of hexavalent chromium to total chromium in these three sediment samples generally ranged from 1-2%, which is expected given the surface water environment. It is noted that the hexavalent component, while low and at very safe

concentrations, may be falsely "high" due to the alkaline digestion procedure required by EPA protocol (SW846 Method 3060A, Huo et al., 1998. *Determination and Correction of Analytical Biases and Study on Chemical Mechanisms in the Analysis of Cr(VI) in Soils Samples Using EPA Protocol.* Environ. Sci. Tech. 32, 3418-3423).

Also, for SD-25R, SD-26R, and SD-27R, the pH in the sediments ranged from 5.77 to 5.96, indicating the pH is slightly below neutral, which is consistent for this surface water environment. The redox potential ranges from +388 to +408, indicating that the redox potential is considered to be a moderately reducing environment. This is also consistent for this environment, and consistent with the upgradient sediment (SD-29R) results.

The Eh-pH results are plotted on a chromium Eh-pH diagram on Figure 2. The four sediment results plot closely together, indicating relatively consistent conditions throughout Burnt Mill Pond. Further, the four samples plot in the $Cr(OH)^{2+}$ zone of the diagram, indicating that the dominant form of chromium is chromium oxide, a cationic form of trivalent chromium which is generally insoluble. The insoluble nature of the chromium in this form further limits mobility. Chromium oxide is stable in this setting.

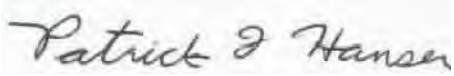
The upgradient sediment sample, SD-29R, had detections of hexavalent and total chromium that were below Remediation Goals. The pH and Eh of SD-29R were 6.06 and +389, respectively.

Conclusions

A second round of Burnt Mill Pond sediment sampling confirms that sediment is below the chromium remediation goals. Further, the recent sampling demonstrates that hexavalent chromium is below NJDEP human health screening levels.

Sediment in Burnt Mill Pond exist at safe and stable conditions.

Regards,
TRC Environmental, Inc.



Patrick J. Hansen
Project Coordinator

Cc: David White, SMC
Donna Gaffigan, NJDEP

FIGURES

PLOT DATA
Drawing Name: \\ntapa-annarbor\aam-vol2\CADD\PJT\00_TRC\Shieldalloy\1124340000_BURNT MILL POND\Dwg\1124340000_01.dwg
Operator Name: WARDROP, THOMAS
Drawing Plot Scale: 0.386863
Plot Date: October 22, 2015
Plot Time: 5:49 PM
Attached Xref's:
Attached Images:
Layout: FIG01 Prop BMP Samples

DELSEA DRIVE (ROUTE 47)

BURNT MILL DRIVE

W ARBOR AVENUE

ELTY AVENUE

GAROW AVENUE

MANAWAY LANE

Burnt Mill Pond

SD-29 Constituent	10/05/11 0.00–0.50
Aluminum	2780
Antimony	7.7 U
Arsenic	7.7 U
Barium	172
Beryllium	0.91
Cadmium	1.9 U
Calcium	2550
Chromium	3.8 U
Cobalt	19 U
Copper	9.6 U
Iron	2650
Lead	10.9
Magnesium	1900 U
Manganese	480
Mercury	0.63
Nickel	15 U
Potassium	3800 U
Selenium	7.7 U
Silver	1.9 U
Sodium	3800 U
Thallium	3.8 U
Vanadium	19 U
Zinc	25.1

EQUIPMENT BLANK Constituent	07/07/2015
Hex Chromium	< 0.010
Total Chromium	< 10

SD-29R Constituent	07/07/2015 0.00–0.50
Hex Chromium	1.7
Total Chromium	4.6

DUP-01 Constituent	07/07/2015 0.00–0.50
Hex Chromium	2.6
Total Chromium	6.4

SD-26 Constituent	10/05/11 0.00–0.50
Aluminum	2300
Antimony	4.7 U
Arsenic	4.7 U
Barium	114
Beryllium	0.47 U
Cadmium	1.2 U
Calcium	1450
Chromium	744
Cobalt	12 U
Copper	7.1
Iron	2330
Lead	14.2
Magnesium	1200 U
Manganese	172
Mercury	0.19
Nickel	28.8
Potassium	2400 U
Selenium	4.7 U
Silver	1.2 U
Sodium	2400 U
Thallium	2.4 U
Vanadium	207
Zinc	48.9

SD-27 Constituent	10/05/11 0.00–0.50
Aluminum	3510
Antimony	5.3 U
Arsenic	5.3 U
Barium	118
Beryllium	0.68
Cadmium	1.3 U
Calcium	1520
Chromium	565
Cobalt	13 U
Copper	7.2
Iron	2790
Lead	20.9
Magnesium	1300 U
Manganese	96.0
Mercury	0.31
Nickel	16.3
Potassium	2700 U
Selenium	5.3 U
Silver	1.3 U
Sodium	2700 U
Thallium	2.7 U
Vanadium	84.9
Zinc	46.0

SD-27R Constituent	07/06/2015 0.00–0.50
Hex Chromium	1.4
Total Chromium	131

SD-25 Constituent	10/05/11 0.00–0.50
Aluminum	4750
Antimony	6.3 U
Arsenic	6.3 U
Barium	142
Beryllium	0.63 U
Cadmium	1.6 U
Calcium	1880
Chromium	1240
Cobalt	16 U
Copper	18.0
Iron	5360
Lead	28.2
Magnesium	1600 U
Manganese	206
Mercury	0.22
Nickel	45.9
Potassium	3200 U
Selenium	6.3 U
Silver	1.6 U
Sodium	3200 U
Thallium	3.2 U
Vanadium	354
Zinc	79.3

SD-26R Constituent	07/07/2015 0.00–0.50
Hex Chromium	9.4
Total Chromium	821

SD-25R Constituent	07/07/2015 0.00–0.50
Hex Chromium	7.3
Total Chromium	408

SD-29 SD-29R

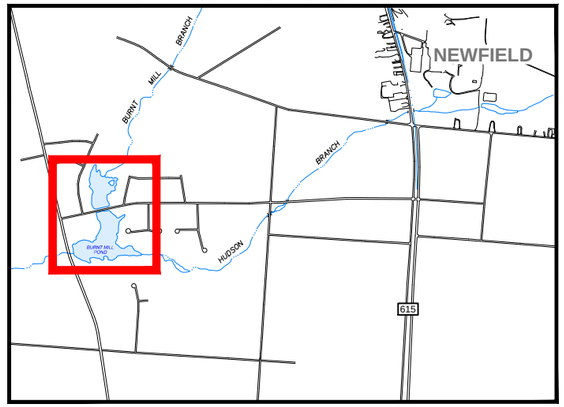
SD-27R SD-27

SD-26 SD-26R

SD-25 SD-25R

BURNT MILL POND SEDIMENTS DO NOT EXCEED REMEDIATION GOAL OF 1,275 MG/KG. HEXAVLAENT CHROMIUM RESULTS DO NOT EXCEED THE NJDEP HUMAN HEALTH SCREENING CRITERIA OF 20 MG/KG.

AREA OF INTEREST



LEGEND

SD-27 ■ SEDIMENT SAMPLE COLLECTED IN 2011

SD-25R ◒ PROPOSED SEDIMENT SAMPLE LOCATION

ESTIMATED FLOOD PLAIN

NOTES:

1. ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED;

   MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT)
   J - ESTIMATED VALUE
   U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT

2. ECOLOGICAL REMEDIATION GOAL (RG) FOR TOTAL CHROMIUM IS 1,275 MG/KG. ECOLOGICAL REMEDIATION GOAL (RG) FOR VANADIUM IS 574 MG/KG. NO BURNT MILL POND SAMPLES EXCEEDED REMEDIATION GOALS.

3. BASE MAP SOURCE FROM JAMES M. STEWART, INC., LAND SURVEYORS, PHILADELPHIA, PA. AND ON-SITE OBSERVATIONS.

4. SEDIMENT SAMPLES WERE COLLECTED FROM 0-0.5' BGS AND ANALYZED FOR TOTAL CHROMIUM AND HEXAVALENT CHROMIUM CONSISTENT WITH THE AOC.

5. FLOODPLAIN BASED ON FEMA MAP PROPOSED OCTOBER 2015

N

0 200 400

APPROXIMATE SCALE IN FEET

PROJECT:
SHIELDALLOY METALLURGICAL CORP.
NEWFIELD, NEW JERSEY

TITLE:
BURNT MILL POND
SEDIMENT SAMPLE LOCATIONS

DRAWN BY:	TW	SCALE:	PROJ. NO. 112434.0000.00OU2
CHECKED BY:	DD	AS SHOWN	FILE NO. 112434.0000.01.dwg
APPROVED BY:	PJH	DATE PRINTED:	**FIGURE 1**
DATE:	JANUARY 2016		

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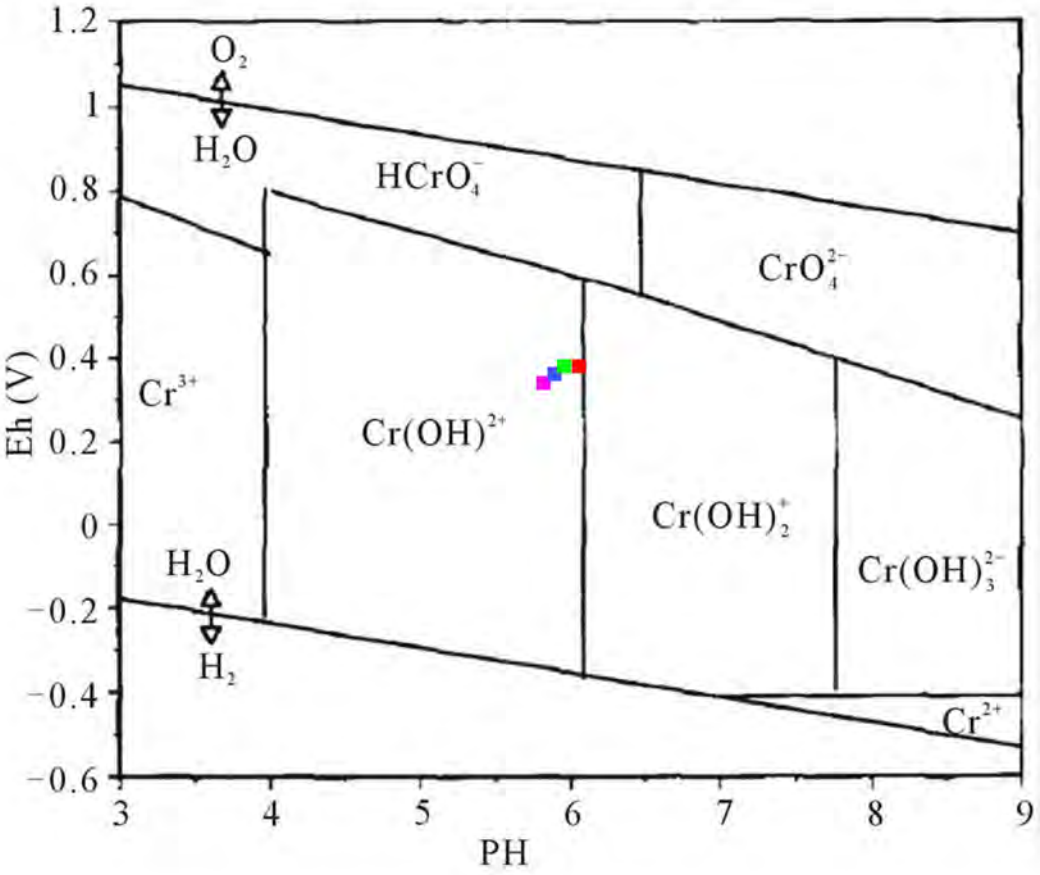

KEY

- SD-25R
- SD-27R
- SD-28R
- SD-29R

Eh/pH diagram from: Ciavatta, C., *et al.* 2012. Chromium-Containing Organic Fertilizers from Tanned Hides and Skins: A Review on Chemical Environmental, Agronomical and Legislative Aspects, *Journal of Environmental Protection*, Vol. 3, No.11.

TRC ENVIRONMENTAL CORP.
1601 Market Street, Suite 2555
Philadelphia, PA 19103

PLOT OF
BURNT MILL POND SEDIMENT EH/PH RESULTS

SHIELDALLOY METALLURGICAL CORPORATION
NEWFIELD, NEW JERSEY

JOB NO.: 2710ES−112434

TW	DATE: JANUARY 2016	FIGURE: 2

TABLES

TABLE 1
BURNT MILL POND SEDIMENT RESULTS
OU2 PRE-DESIGN LETTER REPORT
SHIELDALLOY METALLURGICAL CORPORATION

		Sample Location:	**SD-25R**	**SD-26R**	**SD-27R**	**SD-29R**	**DUP-01**	**EQBLANK07 0815**
		Sample Depth (ft.):	0-0.5 BWSI	0-0.5 BWSI	0-0.5 BWSI	0-0.5 BWSI	0-0.5 BWSI	
		Sample Date:	7/7/2015	7/7/2015	7/6/2015	7/7/2015	7/7/2015	7/8/2015
		Lab Sample ID:	JB98699-3/3A	JB98699-4/4A	JB98699-1/1A	JB98699-2/2A	JB98699-5/5A	JB98699-6/6A
Analysis	Analyte	Remediation Goals						
Metals, total								
(mg/kg)	Chromium (total)	*1,275*	408	821	131	4.6	6.4	< 10
	Hexavalent Chromium	*N/A*	7.3	9.4	1.4	1.7	< 1.3	< 0.010
General Chemistry								
	Redox Potential (Eh)	*N/A*	388	408	393	389	384	NA
	Ph	*N/A*	5.77	5.96	5.88	6.06	6.03	NA
	Percent Solids	*N/A*	24.7	40.3	56.6	32.1	32	NA

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
N/A - Not applicable.
Bold values exceed one or more of the listed sediment criteria.
BWSI - Below water-sediment interface.
NA - Not Analyzed
Ft. - Feet

APPENDIX A

BURNT MILL POND SEDIMENT ANALYTICAL RESULTS

New Jersey
ACCUTEST LABORATORIES

01/18/16

Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

Technical Report for

TRC

SMC OU2, 35 South West Boulevard, Newfield, NJ

112434.00OU2.003050 PO # 82682

Accutest Job Number: JB98699

Sampling Dates: 07/06/15 - 07/08/15

Report to:

TRC

ddanehy@trcsolutions.com

ATTN: Daniel Danehy

Total number of pages in report: **51**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **6**
Section 4: Sample Results **7**
4.1: JB98699-1: SD-27R 8
4.2: JB98699-2: SD-29R 9
4.3: JB98699-3: SD-25R 10
4.4: JB98699-4: SD-26R 11
4.5: JB98699-5: DUP-01 12
4.6: JB98699-6: EQBLANK 070815 13
Section 5: Misc. Forms **14**
5.1: Chain of Custody 15
5.2: Sample Tracking Chronicle 19
5.3: Internal Chain of Custody 21
Section 6: General Chemistry - QC Data Summaries **25**
6.1: Method Blank and Spike Results Summary 26
6.2: Duplicate Results Summary 27
6.3: Matrix Spike Results Summary 28
6.4: Percent Solids Raw Data Summary 29
Section 7: General Chemistry - Raw Data **30**
7.1: Raw Data GN28540: Chromium, Hexavalent 31
7.2: Raw Data GN28698: pH 38
7.3: Raw Data GN28699: Redox Potential Vs H2 41
7.4: Raw Data GN28973: Chromium, Hexavalent 43
7.5: Eh pH Phase Diagram 51

Sample Summary

TRC

Job No: JB98699

SMC OU2, 35 South West Boulevard, Newfield, NJ
Project No: 112434.00OU2.003050 PO # 82682

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB98699-1	07/06/15	14:30	DD	07/08/15	SO	Sediment	SD-27R
JB98699-2	07/07/15	11:50	DD	07/08/15	SO	Sediment	SD-29R
JB98699-2D	07/07/15	11:51	DD	07/08/15	SO	Soil Dup/MSD	SD-29R MSD
JB98699-2S	07/07/15	11:51	DD	07/08/15	SO	Soil Matrix Spike	SD-29R MS
JB98699-3	07/07/15	12:45	DD	07/08/15	SO	Sediment	SD-25R
JB98699-4	07/07/15	13:00	DD	07/08/15	SO	Sediment	SD-26R
JB98699-5	07/07/15	00:00	DD	07/08/15	SO	Sediment	DUP-01
JB98699-6	07/08/15	08:15	DD	07/08/15	AQ	Equipment Blank	EQBLANK 070815

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	TRC	**Job No**	JB98699
Site:	SMC OU2, 35 South West Boulevard, Newfield, NJ	**Report Date**	7/21/2015 8:36:38 AM

On 07/08/2015, 6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 3.7 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB98699 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method ASTM D1498-76M

Matrix: SO **Batch ID:** GN28699

- Sample(s) JB98699-2DUP were used as the QC samples for Redox Potential Vs H2.

Wet Chemistry By Method SM2540 G-97

Matrix: SO **Batch ID:** GN28745

- The data for SM2540 G-97 meets quality control requirements.

Wet Chemistry By Method SW846 3060A/7196A

Matrix: SO **Batch ID:** GP90527

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB98699-2MS, JB98699-2DUP were used as the QC samples for Chromium, Hexavalent.
- Matrix Spike Recovery(s) for Chromium, Hexavalent are outside control limits. Soluble XCR matrix spike recovery indicates possible matrix interference. Good post spike recovery (101%) on this sample.
- RPD(s) for Duplicate for Chromium, Hexavalent are outside control limits. High RPD due to possible sample nonhomogeneity.
- GP90527-S2 for Chromium, Hexavalent: Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

Wet Chemistry By Method SW846 7196A

Matrix: AQ **Batch ID:** GN28540

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB98622-1DUP, JB98622-1MS were used as the QC samples for Chromium, Hexavalent.

Wet Chemistry By Method SW846 9045C,D

Matrix: SO **Batch ID:** GN28698

- Sample(s) JB98699-2DUP were used as the QC samples for pH.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JB98699
Account: TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Collected: 07/06/15 thru 07/08/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB98699-1	**SD-27R**					
Redox Potential Vs H2		393			mv	ASTM D1498-76M
pH		5.88			su	SW846 9045C,D
JB98699-2	**SD-29R**					
Chromium, Hexavalent		1.3	1.2		mg/kg	SW846 3060A/7196A
Redox Potential Vs H2		389			mv	ASTM D1498-76M
pH		6.06			su	SW846 9045C,D
JB98699-3	**SD-25R**					
Redox Potential Vs H2		388			mv	ASTM D1498-76M
pH		5.77			su	SW846 9045C,D
JB98699-4	**SD-26R**					
Redox Potential Vs H2		408			mv	ASTM D1498-76M
pH		5.96			su	SW846 9045C,D
JB98699-5	**DUP-01**					
Chromium, Hexavalent		2.6	1.3		mg/kg	SW846 3060A/7196A
Redox Potential Vs H2		384			mv	ASTM D1498-76M
pH		6.03			su	SW846 9045C,D
JB98699-6	**EQBLANK 070815**					

No hits reported in this sample.

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SD-27R		
Lab Sample ID:	JB98699-1	**Date Sampled:**	07/06/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	56.6
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.71	0.71	mg/kg	1	07/16/15 16:56	CD	SW846 3060A/7196A
Redox Potential Vs H2	393		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	56.6		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	5.88		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-29R		
Lab Sample ID:	JB98699-2	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	32.1
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.3	1.2	mg/kg	1	07/16/15 16:51	CD	SW846 3060A/7196A
Redox Potential Vs H2	389		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	32.1		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	6.06		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-25R		
Lab Sample ID:	JB98699-3	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	24.7
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.6	1.6	mg/kg	1	07/16/15 16:56	CD	SW846 3060A/7196A
Redox Potential Vs H2	388		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	24.7		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	5.77		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-26R		
Lab Sample ID:	JB98699-4	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	40.3
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.99	0.99	mg/kg	1	07/16/15 16:56	CD	SW846 3060A/7196A
Redox Potential Vs H2	408		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	40.3		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	5.96		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-01		
Lab Sample ID:	JB98699-5	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	32.0
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	2.6	1.3	mg/kg	1	07/16/15 16:56	CD	SW846 3060A/7196A
Redox Potential Vs H2	384		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	32		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	6.03		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EQBLANK 070815		
Lab Sample ID:	JB98699-6	**Date Sampled:**	07/08/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/08/15
		Percent Solids:	n/a
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/08/15 21:42	TT	SW846 7196A

RL = Reporting Limit

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

E

ACCUTEST LABORATORIES

SED FB

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

Impulse

PAGE ___ OF ___

Fed-Ex Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JB98699

Client / Reporting Information

Company Name: TRC	Project Name: SMC ~~OU2~~ OU2 Burnt Mill Pond
Street Address: 1601 Market St. Suite 2555	Street: 35 SW Blvd
City: Philadelphia State: PA Zip: 19103	City: Newfield State: NJ
Project Contact: PJ Hansen E-mail:	Project #: 112434.[illegible]OU2.003050
Phone #: 215-563-2122 Fax #:	Client Purchase Order #: 826682
Sampler(s) Name(s): D. Dawley Phone #: 215-680-3990	Project Manager: PJ Hansen

Project Information

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	LNCOHL	XCS	CS	LAB USE ONLY
1	SD-27R		7/6/15	1430	DD	SED	1					1						C22
	SD-29R		7/7/15	1150	DD	SED	1					1						
2	SD-29R MS/MSD		7/7/15	1151	DD	SED	2					2						A6, C1
	~~SD-29R MSD~~																	
3	SD-25R		7/7/15	1245	DD	SED	1					1						
4	SD-26R		7/7/15	1300	DD	SED	1					1						
5	DUP-01		7/7/15	—	DD	SED	1					1						
6	EQBlank 070815		7/8/15	0815	DD	DI water	2			1		1						

INITIAL ASSESSMENT 2/4/15
LABEL VERIFICATION

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turnaround Time (Business days)

Approved By (Accutest PM) / Date:

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Emergency & Rush T/A data available VIA Labtrk

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature]	070815/1700	1 [signature] 7.8.15 1700	[signature] 7.8.15 1850		2 [signature]
3		3	4		4
5		5	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☑	Cooler Temp 3.6 °C 4.0

JB98699: Chain of Custody
Page 1 of 4

5.1
5

15 of 51
ACCUTEST LABORATORIES
JB98699

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB98699 **Client:** **Project:**

Date / Time Received: 7/8/2015 6:50:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6); Cooler 2: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.3); Cooler 2: (3.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

ACCUTEST LABORATORIES

Job Change Order: JB98699

Requested Date:	7/17/2015	**Received Date:**	7/8/2015
Account Name:	TRC	**Due Date:**	7/22/2015
Project Description:	SMC OU2, 35 SW Boulevard, Newfield, NJ	**Deliverable:**	FULT1
CSR:	mattc	**TAT (Days):**	14

==========

Sample #: JB98699-1,2,3,4,5

Dept:

Change:
due to XCR spike log in XXCRAR

==========

==========

Sample #: JB98699-2

Dept:

Change:
due to XCR spike log in FE2/7,TOCLK,SULFS

SD-29R

==========

Above Changes Per:

Date/Time: 7/17/2015 12:04:15 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

JB98699: Chain of Custody
Page 3 of 4

ACCUTEST LABORATORIES

Job Change Order: JB98699A

Requested Date:	10/12/2015	**Received Date:**	7/8/2015
Account Name:	TRC	**Due Date:**	7/22/2015
Project Description:	SMC OU2, 35 South West Boulevard, Newfield, NJ	**Deliverable:**	REDT2
CSR:	mattc	**TAT (Days):**	14

==========

Sample #: JB98699A-all

Dept:

TAT:

Change:
upgrade to FULLT1 and reissue by 10/13

==========

Above Changes Per: E Denly **Date/Time:** 10/12/2015 10:38:40 AM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

JB98699: Chain of Custody
Page 4 of 4

Internal Sample Tracking Chronicle

TRC

Job No: JB98699

SMC OU2, 35 South West Boulevard, Newfield, NJ
Project No: 112434.00OU2.003050 PO # 82682

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB98699-1 SD-27R	Collected: 06-JUL-15 14:30 By: DD		Received: 08-JUL-15 By: AS			
JB98699-1	SW846 9045C,D	11-JUL-15 10:12	SA			PH
JB98699-1	ASTM D1498-76M	11-JUL-15 11:01	SA			EH
JB98699-1	SM2540 G-97	13-JUL-15 17:00	KP			SOL104
JB98699-1	SW846 3060A/7196A	16-JUL-15 16:56	CD	14-JUL-15	YR	XCRA
JB98699-2 SD-29R	Collected: 07-JUL-15 11:50 By: DD		Received: 08-JUL-15 By: AS			
JB98699-2	SW846 9045C,D	11-JUL-15 10:12	SA			PH
JB98699-2	ASTM D1498-76M	11-JUL-15 11:01	SA			EH
JB98699-2	SM2540 G-97	13-JUL-15 17:00	KP			SOL104
JB98699-2	SW846 3060A/7196A	16-JUL-15 16:51	CD	14-JUL-15	YR	XCRA
JB98699-3 SD-25R	Collected: 07-JUL-15 12:45 By: DD		Received: 08-JUL-15 By: AS			
JB98699-3	SW846 9045C,D	11-JUL-15 10:12	SA			PH
JB98699-3	ASTM D1498-76M	11-JUL-15 11:01	SA			EH
JB98699-3	SM2540 G-97	13-JUL-15 17:00	KP			SOL104
JB98699-3	SW846 3060A/7196A	16-JUL-15 16:56	CD	14-JUL-15	YR	XCRA
JB98699-4 SD-26R	Collected: 07-JUL-15 13:00 By: DD		Received: 08-JUL-15 By: AS			
JB98699-4	SW846 9045C,D	11-JUL-15 10:12	SA			PH
JB98699-4	ASTM D1498-76M	11-JUL-15 11:01	SA			EH
JB98699-4	SM2540 G-97	13-JUL-15 17:00	KP			SOL104
JB98699-4	SW846 3060A/7196A	16-JUL-15 16:56	CD	14-JUL-15	YR	XCRA
JB98699-5 DUP-01	Collected: 07-JUL-15 00:00 By: DD		Received: 08-JUL-15 By: AS			
JB98699-5	SW846 9045C,D	11-JUL-15 10:12	SA			PH
JB98699-5	ASTM D1498-76M	11-JUL-15 11:01	SA			EH
JB98699-5	SM2540 G-97	13-JUL-15 17:00	KP			SOL104
JB98699-5	SW846 3060A/7196A	16-JUL-15 16:56	CD	14-JUL-15	YR	XCRA

Internal Sample Tracking Chronicle

TRC

Job No: JB98699

SMC OU2, 35 South West Boulevard, Newfield, NJ
Project No: 112434.00OU2.003050 PO # 82682

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB98699-6 Collected: 08-JUL-15 08:15 By: DD Received: 08-JUL-15 By: AS EQBLANK 070815						
JB98699-6	SW846 7196A	08-JUL-15 21:42	TT			XCR

Accutest Internal Chain of Custody

Job Number: JB98699
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-1.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-1.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-1.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-1.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-1.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-1.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-1.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-1.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-1.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-1.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-1.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-1.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-1.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-1.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-1.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-1.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-1.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-1.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-1.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-1.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-1.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-1.1
JB98699-1.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-1.1
JB98699-1.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-1.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-1.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-1.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-2.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-2.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-2.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-2.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-2.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-2.2	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-2.2	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-2.2	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-2.2	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-2.2	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-2.2	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-2.2	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-2.2	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-2.2	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-2.2	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JB98699
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-2.2	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-2.2	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-2.2	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-2.2	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-2.2	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-2.2	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-2.2.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-2.2
JB98699-2.2.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-2.2
JB98699-2.2.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-2.2.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-2.2.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-2.2.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-2.3	Secured Storage	Todd Shoemaker	07/14/15 13:55	Retrieve from Storage
JB98699-2.3	Todd Shoemaker	Kruti Patel	07/14/15 14:18	Custody Transfer
JB98699-2.3	Kruti Patel	Secured Storage	07/14/15 15:45	Return to Storage
JB98699-2.3	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-3.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-3.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-3.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-3.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-3.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-3.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-3.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-3.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-3.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-3.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-3.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-3.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-3.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-3.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-3.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-3.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-3.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-3.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-3.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-3.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-3.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-3.1
JB98699-3.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-3.1
JB98699-3.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-3.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB98699
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-3.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-3.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-4.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-4.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-4.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-4.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-4.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-4.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-4.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-4.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-4.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-4.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-4.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-4.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-4.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-4.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-4.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-4.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-4.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-4.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-4.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-4.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-4.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-4.1
JB98699-4.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-4.1
JB98699-4.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-4.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-4.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-4.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-5.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-5.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-5.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-5.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-5.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-5.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-5.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-5.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-5.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-5.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-5.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-5.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-5.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB98699
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-5.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-5.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-5.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-5.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-5.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-5.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-5.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-5.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-5.1
JB98699-5.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-5.1
JB98699-5.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-5.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-5.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-5.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-6.1	Secured Storage	Deval Patel	07/13/15 15:46	Retrieve from Storage
JB98699-6.1	Deval Patel	Secured Storage	07/13/15 16:02	Return to Storage
JB98699-6.1	Shirley Grzybowski		08/21/15 09:24	Disposed
JB98699-6.1.1	Deval Patel	Metals Digestion	07/13/15 15:53	Digestate from JB98699-6.1
JB98699-6.1.1	Metals Digestion	Deval Patel	07/13/15 15:53	Digestate from JB98699-6.1
JB98699-6.1.1	Deval Patel	Metals Digestate Storage	07/13/15 15:53	Return to Storage
JB98699-6.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-6.2	Secured Storage	Edwin Gonzalez	07/08/15 20:55	Retrieve from Storage
JB98699-6.2	Edwin Gonzalez	Secured Staging Area	07/08/15 20:55	Return to Storage
JB98699-6.2	Secured Staging Area	Lucas Schneider	07/08/15 20:56	Retrieve from Storage
JB98699-6.2	Lucas Schneider	Secured Storage	07/08/15 22:12	Return to Storage
JB98699-6.2	Shirley Grzybowski		08/21/15 09:24	Disposed

New Jersey ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JB98699
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN28540	0.010	0.0	mg/l	0.150	0.15	100.0	90-110%
Chromium, Hexavalent	GP90527/GN28973			mg/kg	40.00	36.0	90.0	80-120%
Chromium, Hexavalent	GP90527/GN28973	0.40	0.0	mg/kg	1010.839	1010	99.9	80-120%

Associated Samples:
Batch GN28540: JB98699-6
Batch GP90527: JB98699-1, JB98699-2, JB98699-3, JB98699-4, JB98699-5
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JB98699
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GN28540	JB98622-1	mg/l	0.0	0.0	0.0	0-20%
Chromium, Hexavalent	GP90527/GN28973	JB98699-2	mg/kg	1.3	10.8	157.0*(a)	0-20%
Redox Potential Vs H2	GN28699	JB98699-2	mv	389	399	2.5	0-19%
pH	GN28698	JB98699-2	su	6.06	6.04	0.3	0-6%

Associated Samples:
Batch GN28540: JB98699-6
Batch GN28698: JB98699-1, JB98699-2, JB98699-3, JB98699-4, JB98699-5
Batch GN28699: JB98699-1, JB98699-2, JB98699-3, JB98699-4, JB98699-5
Batch GP90527: JB98699-1, JB98699-2, JB98699-3, JB98699-4, JB98699-5
(*) Outside of QC limits
(a) High RPD due to possible sample nonhomogeneity.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JB98699
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN28540	JB98622-1	mg/l	0.0	0.150	0.15	100.0	85-115%
Chromium, Hexavalent	GP90527/GN28973	JB98699-2	mg/kg	1.3	2810	2810	99.8(a)	75-125%
Chromium, Hexavalent	GP90527/GN28973	JB98699-2	mg/kg	1.3	123	33.7	26.3N(b)	75-125%

Associated Samples:
Batch GN28540: JB98699-6
Batch GP90527: JB98699-1, JB98699-2, JB98699-3, JB98699-4, JB98699-5
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.
(b) Soluble XCR matrix spike recovery indicates possible matrix interference. Good post spike recovery (101%) on this sample.

Percent Solids Raw Data Summary

Job Number: JB98699
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Sample: JB98699-1 **Analyzed:** 13-JUL-15 by KP **Method:** SM2540 G-97
ClientID: SD-27R

Wet Weight (Total)	32.7	g
Tare Weight	26.15	g
Dry Weight (Total)	29.86	g
Solids, Percent	56.6	%

Sample: JB98699-2 **Analyzed:** 13-JUL-15 by KP **Method:** SM2540 G-97
ClientID: SD-29R

Wet Weight (Total)	24	g
Tare Weight	17.92	g
Dry Weight (Total)	19.87	g
Solids, Percent	32.1	%

Sample: JB98699-3 **Analyzed:** 13-JUL-15 by KP **Method:** SM2540 G-97
ClientID: SD-25R

Wet Weight (Total)	28.8	g
Tare Weight	19.85	g
Dry Weight (Total)	22.06	g
Solids, Percent	24.7	%

Sample: JB98699-4 **Analyzed:** 13-JUL-15 by KP **Method:** SM2540 G-97
ClientID: SD-26R

Wet Weight (Total)	27.45	g
Tare Weight	20.83	g
Dry Weight (Total)	23.5	g
Solids, Percent	40.3	%

Sample: JB98699-5 **Analyzed:** 13-JUL-15 by KP **Method:** SM2540 G-97
ClientID: DUP-01

Wet Weight (Total)	29.72	g
Tare Weight	20.67	g
Dry Weight (Total)	23.57	g
Solids, Percent	32	%

New Jersey ACCUTEST LABORATORIES

General Chemistry

Raw Data

Hexavalent Chromium

Test Title:	XCr
GN Batch:	GN28540
Analyst:	TT
Prep Date:	NA
Analysis Date:	7/8/2015
Instrument ID:	P

Method: SW846 7196A

Note: Use 4 for CLP list pointer, 1 for reg. List pointer.

NP 7/9/15

Corr. Coef:	0.99986
Slope:	0.8855
Y intercept:	0.0021

Bottle ID	Sample #	Sample Absorbance	BKGRD Abs	Analyzed Times	Y Values Corr Sample Absorbance	X Values Conc(mg/l)	Final Vol. (ml)	Sam Vol. (ml)	Dilution	Final Conc.	Units	MDL	RDL
	Cal. Blk.	0.000	NA	21:08	0.000	0.0000							
	STD1	0.010	NA		0.010	0.0100							
	STD2	0.048	NA		0.048	0.0500							
	STD3	0.093	NA		0.093	0.1000							
	STD4	0.271	NA		0.271	0.3000							
	STD5	0.444	NA		0.444	0.5000							
	STD6	0.699	NA		0.699	0.8000							
	STD7	0.896	NA	21:15	0.896	1.0000							
	CCV	0.435	NA	21:36	0.435	0.4888	NA	NA	NA	NA	mg/l	0.001	0.010
	CCB	0.000	NA	21:36	0.000	-0.0024	NA	NA	NA	NA	mg/l	0.0013	0.010
	GN28540-MB1	0.000	0.000		0.000	-0.0024	50.0	50.0	1	-0.002	mg/l	0.0014	0.010
	GN28540-B1	0.138	0.000		0.138	0.1534	50.0	50.0	1	0.153	mg/l	0.0014	0.010
	GN28540-S1	0.135	0.001		0.134	0.1489	50.0	50.0	1	0.149	mg/l	0.0014	0.010
	GN28540-D1	0.001	0.001		0.000	-0.0024	50.0	50.0	1	-0.002	mg/l	0.0014	0.010
2*	JB98622-1	0.002	0.001		0.001	-0.0013	50.0	50.0	1	-0.001	mg/l	0.0014	0.010
2	JB98622-2	0.001	0.001		0.000	-0.0024	50.0	50.0	1	-0.002	mg/l	0.0014	0.010
2	JB98622-3	0.001	0.000		0.001	-0.0013	50.0	50.0	1	-0.001	mg/l	0.0014	0.010
2	JB98622-4	0.000	0.000		0.000	-0.0024	50.0	50.0	1	-0.002	mg/l	0.0014	0.010
1	JB98637-1	0.000	0.000		0.000	-0.0024	50.0	50.0	1	-0.002	mg/l	0.0014	0.010
2	JB98699-6	0.000	0.000		0.000	-0.0024	50.0	50.0	1	-0.002	mg/l	0.0014	0.010
	CCV	0.436	NA	21:42	0.436	0.4900	NA	NA	NA	NA	mg/l	0.0013	0.010
	CCB	0.000	NA	21:42	0.000	-0.0024	NA	NA	NA	NA	mg/l	0.0013	0.010
	GN28540-S2	0.139	0.002		0.137	0.1523	50.0	50.0	1	0.152	mg/l	0.0014	0.010
	GN28540-D2	0.003	0.002		0.001	-0.0013	50.0	50.0	1	-0.001	mg/l	0.0014	0.010
5*	JB98655-2 AB	0.003	0.003		0.000	-0.0024	50.0	50.0	1	-0.002	mg/l	0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
	CCV	0.436	NA	21:47	0.436	0.4900	NA	NA	NA	NA	mg/l	0.0013	0.010
	CCB	0.000	NA	21:47	0.000	-0.0024	NA	NA	NA	NA	mg/l	0.0013	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
	CCV		NA				NA	NA	NA	NA	mg/l	0.0013	0.010
	CCB		NA				NA	NA	NA	NA	mg/l	0.0013	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
	CCV		NA				NA	NA	NA	NA	mg/l	0.0013	0.010
	CCB		NA				NA	NA	NA	NA	mg/l	0.0013	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010
							50.0	50.0	1	#VALUE!		0.0014	0.010

7.1.7

1 of 2

JB98622-1

ACCUTEST.

Test: **Hexavalent Chromium** MDL = 0.0013 mg/l GNBatch ID: GN28540
Product: **XCr** RDL = 0.010 mg/l Date: 7-8-15
Method: **SW846 7196A**

Digestion Batch QC Summary Units = mg/l

Method Blank ID: -MB1 Date: 7-8-15 Result: 0.000 RDL: 0.010 <RDL: yes
Spike Blank ID: -B1 Date: " Result: 0.153 Spike: 0.150 %Rec.: 102%
Duplicate ID: JB98622-1 Samp. Result: 0.000 Dup. Result: 0.000 %RPD: 0%
MS ID: " Samp. Result: " MS Result: 0.149 Spike: 0.150 %Rec: 99.3%
Diluted Sample ID: _____ Samp. Result: _____ Dil. Result: _____ %RPD: _____
pH adj. PS ID: _____ Samp. Result: _____ MS Result: _____ Spike: _____ %Rec: _____

Analysis Batch QC Summary Units = mg/l

CCV:	7-8-15	Result: 0.4888	TV: 0.500	%Rec.:	97.76%
CCV:	"	Result: 0.4900	TV: "	%Rec.:	98%
CCV:	"	Result: "	TV: "	%Rec.:	"
CCV:		Result:	TV:	%Rec.:	
CCV:		Result:	TV:	%Rec.:	
CCV:		Result:	TV:	%Rec.:	

CCB:	7-8-15	Result: -0.0024	RDL: 0.010	<RDL:	yes
CCB:	"	Result: "	RDL: "	<RDL:	"
CCB:	"	Result: "	RDL: "	<RDL:	"
CCB:		Result:	RDL:	<RDL:	
CCB:		Result:	RDL:	<RDL:	
CCB:		Result:	RDL:	<RDL:	

Reagent Reference Numbers: See Attached

Initial Calibration Source:
Continuing Calibration Source:

Analyst: [signature] Date: 7-8-15

Comments: _____

Form: GN076-02
Rev. Date: 06/24/13

2 of 2

JB98655-2

ACCUTEST.

Test: **Hexavalent Chromium** MDL = 0.0013 mg/l GNBatch ID: GN28540
Product: **XCr** RDL = 0.010 mg/l Date: 7-8-15
Method: **SW846 7196A**

Digestion Batch QC Summary Units = mg/l

Method Blank ID:_____ Date:_____ Result:_____ RDL:_____ <RDL:_____

Spike Blank ID:_____ Date:_____ Result:_____ Spike:_____ %Rec.:_____

Duplicate ID: JB98655-2 Samp. Result: 0.000 Dup. Result: 0.000 %RPD: 0%

MS ID: L Samp. Result: L MS Result: 0.152 Spike: 0.150 %Rec: 101.3%

Diluted Sample ID:_____ Samp. Result:_____ Dil. Result:_____ %RPD:_____

pH adj. PS ID:_____ Samp. Result:_____ MS Result:_____ Spike:_____ %Rec:_____

Analysis Batch QC Summary Units = mg/l

CCV :_____ Result:_____ TV:_____ %Rec.:_____
CCV :_____ Result:_____ TV:_____ %Rec.:_____
CCV :_____ Result:_____ TV:_____ %Rec.:_____
CCV :_____ Result:_____ TV:_____ %Rec.:_____
CCV :_____ Result:_____ TV:_____ %Rec.:_____
CCV :_____ Result:_____ TV:_____ %Rec.:_____

CCB:_____ Result:_____ RDL:_____ <RDL:_____
CCB:_____ Result:_____ RDL:_____ <RDL:_____
CCB:_____ Result:_____ RDL:_____ <RDL:_____
CCB:_____ Result:_____ RDL:_____ <RDL:_____
CCB:_____ Result:_____ RDL:_____ <RDL:_____
CCB:_____ Result:_____ RDL:_____ <RDL:_____

Reagent Reference Numbers: see Attached

Initial Calibration Source:

Continuing Calibration Source:

Analyst: TT Date: 7-8-15

Comments:_____

Form: GN076-02
Rev. Date: 06/24/13

ACCUTEST

Hexavalent Chromium pH Adjustment Log
Method: SW846 7196A

pH adj. start time: 21:18 _____ pH Adjust: 7-8-15
pH adj. end time: 21:34 _____ GN Batch ID: GN28540

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	bkg pH after H2SO4	Spike Info	Comments
CCV	45	50	1.97	NA	5ML	5PPM ULTRA
CCV						
CCV						
CCV						
CCB	45	50	1.69	NA		
CCB						
CCB						
CCB						
MS JB98622-1 (S1)	45	50	1.66	1.68	1ML	7.5PPM ABS.
DUP ↓ -1 (D1)	45	50	1.57	1.74		
SB -B1	45	50	1.75	1.62	1ML	7.5PPM ABS.
PB -MB1	45	50	1.78	1.89		
1 JB98622-1	45	50	1.81	1.86		
2 -2	45	50	1.91	1.72		
3 -3	45	50	1.85	1.63		
4 -4	45	50	1.61	1.82		
5 JB98637-1	45	50	1.86	1.77		
6 JB98699-6	45	50	1.73	1.95		
7 JB98655-2(S2)	45	50	1.60	1.88	1 ML	7.5 ppm Abs.
8 -2(D2)	45	50	1.64	1.54		
9 -2	45	50	1.50	1.63		
10	45	50				
11	45	50				
12	45	50				
13	45	50				
14	45	50				
15	45	50				
16	45	50				
17	45	50				
18	45	50				
19	45	50				
PS	45	50				
PS	45	50				
DIL	45	50				
DIL	45	50				

Reagent Information: see Attached

Analyst: TT Date: 7-8-15 QC Reviewer: _____ Date: _____

Form: GN077-01
Rev. Date:1/10/11

7.1
7

ACCUTEST

Hexavalent Chromium pH Adjustment Log
Method: SW846 7196A

pH adj. start time: 20:54 _____ pH Adjust. Date: 7-8-15

pH adj. end time: 21:06 _____ GN Batch ID: GN28540

Sample ID	Initial Sample Volume (ml)	Final Volume (ml)	pH after H2SO4	Comments	Spike Info.
Calibration Blank	45	50	1.64	0	
0.010 mg/l standard	45	50	1.62	5ppm Absolute	0.10 ml of 5 mg/l to 50 ml FV
0.050 mg/l standard	45	50	1.78	5ppm Absolute	0.50 ml of 5 mg/l to 50 mL FV
0.100 mg/l standard	45	50	1.81	5ppm Absolute	1.00 ml of 5 mg/l to 50 mL FV
0.300 mg/l standard	45	50	1.90	5ppm Absolute	3.00 ml of 5 mg/l to 50 mL FV
0.500 mg/l standard	45	50	1.57	5ppm Absolute	5.00 ml of 5 mg/l to 50 mL FV
0.800 mg/l standard	45	50	1.63	5ppm Absolute	8.00 ml of 5 mg/l to 50 mL FV
1.00 mg/l standard	45	50	1.87	5ppm Absolute	10.0 ml of 5 mg/l to 50 mL FV

Reagent Information: See Attached

Analyst: _____ Date: 7-8-15

Form: GN078-01
Rev. Date: 1/10/11

7.1

ACCUTEST

HEXAVALENT CHROMIUM STANDARD PREPARATION LOG

Product: XCR7196 1Q

GN or GP Number: GN28540

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume used in ml	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
10 ppm		1000 ppm	1.0 ml	DI	100 mls	10 mg/l	2/12/2018	LS	7/8/2015
100 ppm		1000 ppm	10 ml	DI	100 mls	100 mg/l			
5 ppm	Absolute Grade Lot #100114	1000 ppm	1.0 ml	DI	200 mg/l	5 mg/l			
7.5 ppm		1000 ppm	1.5 ml	DI	200 mg/l	7.5 mg/l			
5 ppm	Ultra lot #P00986	1000 ppm	1.0 ml	DI	100 mg/l	10 mg/l	5/31/2017		

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Diluent	Final Volume	Final Conc. Of Standard (mg/l)	Expiration Date	Analyst	Date
.010 ppm	5.0 ppm abs	5.0 ppm	0.1 ppm	DI	50 mls	0.01 mg/l	7/9/2015	LS	7/8/2015
.050 ppm	5.0 ppm abs	5.0 ppm	0.5 ppm	DI	50 mls	0.05 mg/l			
.10 ppm	5.0 ppm abs	5.0 ppm	1.0 ppm	DI	50 mls	0.10 mg/l			
.30 ppm	5.0 ppm abs	5.0 ppm	3.0 ppm	DI	50 mls	0.30 mg/l			
.50 ppm	5.0 ppm abs	5.0 ppm	5.0 ppm	DI	50 mls	0.50 mg/l			
.80 ppm	5.0 ppm abs	5.0 ppm	8.0 ppm	DI	50 mls	0.80 mg/l			
1.00 ppm	5.0 ppm abs	5.0 ppm	10.0 ppm	DI	50 mls	1.0 mg/l			

Form: GN205-02
Rev. Date:10/16/09

GN28540

Reagent Information Log - XCR - water - 7196A

Reagent	Exp. Date	Reagent # or Manufacturer/Lot
Calibration Source: Hexavalent Chromium, 1000 mg/L Stock	10/1/2017	Absolute Grade Lot # 100114
Calibration Checks: Hexavalent Chromium, 1000 mg/L Stock	10/31/2019	Ultra lot # P00986
External Check	10/31/2019	Ultra lot # P00986
Spiking Solution Source	11/15/2015	GNE5-43847-XCR
Diphenyl carbazide Solution	7/30/2015	GNE6-44334-XCR
Sulfuric Acid, 10%	11/27/2015	GNE5-43958-XCR
Filter 0.45um	na	140604154
1N NaOH	11/19/2015	GNE5-43882-XCR

Form: GN087A-23
Rev. Date: 10/3/05

ACCUTEST LABORATORIES

Test: pH, Corrosivity
Method: **SW846 9040B or SW846 9045C**

Product: PH, CORR
Analyst: SANJAYA
GN Batch ID: GN28698
Analysis Date: 7/11/2015
pH Meter ID: 50

Thermometer ID: 60782
Correction Factor: 2

QC Summary

Duplicate ID: GN28698-D1
Dup Result: 6.04 ✓

Sample ID: JB98699-2
% RPD: 0.33% ✓ MB 07/13

Sample ID	Wt./Vol. used for soilds	Uncorrected/ Corrected Temp in Deg C.	Result	Corrosivity	Read time
Buffer Check: 4		23/25	4.03		10:00
Buffer Check: 7		23/25	7.01		
Buffer Check: 10		23/25	10		
GN28698-D1		23/25	6.04		
JB98699-1		23/25	5.88		
JB98699-2		23/25	6.06		
JB98699-3		23/25	5.77		
JB98699-4		23/25	5.96		
JB98699-5		23/25	6.03		
JB98894-1		23/25	5.94		
JB98894-1A		23/25	5.94		
JB98894-2		23/25	9.42		
JB98894-2A		23/25	9.43		
Buffer Check: 4		23/25	4.02		
Buffer Check: 10		23/25	10.00		
JB98894-3		23/25	7.79		
JB98894-3A		23/25	7.79		
JB98897-1		23/25	8.65		
JB98897-3		23/25	9.71		
JB98904-13		23/25	5.04		
JB98904-14		23/25	6.28		
JB98904-15		23/25	6.48		
JB98919-1		23/25	6.52		
Buffer Check: 7		23/25	7.02		
Buffer Check: 10		23/25	10.00		10:12
Buffer Check:					
Buffer Check:					

Comments: _____

Validated By: Nancy Cole
Validated Date: 10/1/2012
Document Control #: **AGN-PH CORR-AQ-02**

7.2 7

ACCUTEST

Analyst S.A

Method EH/PH

Prep Date 7/11/15

GP # GN28698-pH
GN28699-EH

Balance # B-36

Sample Prep Log

Sample ID	Sample Size	Final Volume
3B98897-1	50.00g	added 50-LDFHU
-3	50.11g	
3B98904-13	50.00g	
-14	50.36g	
-15	50.24g	
3B98699-1	50.20g	
-2	50.21g	
-2Rp	50.20g	
-3	50.20g	
-4	50.11g	
-5	50.36g	
3B98919-1	50.30g	
3B98894-1	50.20g	
-2	50.21g	
-3	50.78g	
-1A	50.96g	
-2A	50.24g	
-3A	50.21g	

Form: GN166-02
Rev. Date: 8/5/05

QC Review_____

7.2 7

Reagent Information Log
Test Name:_____pH_____

GN28698

Reagent	
pH 2 Buffer Solution	FISHER LOT#142994 EXP 04/2016
pH 4 Buffer Solution	FISHER LOT#146657 EXP 10/16
pH 7 Buffer Solution	Fisher lot # 146398 Exp 9/16 ~~FISHER LOT #140018 1/16~~
pH 10 Buffer Solution	FISHER LOT #145795 9/16
pH 13 Buffer Solution	LABCHEM #D028-06 6/18/19

7.2 7

Form: GN087-01
Rev. Date:2/11/2015

ACCUTEST LABORATORIES

Test: Redox Potential | **Test Code: REDOX** | **Analyst:** SANJAYA

Matrix: Aqueous ◉ | Method: ASTM D1498-76 | **Date:** 07/11/15

Matrix: Solid ○ | Method: ASTM D1498-76 Mod. | **GN Batch ID:** GN28699

Temp (Deg C): 25

Quality Control Summary

Sample ID: GN28699-D1	Results: **388.5**	Dup: **398.6**	% RPD: **2.57%**		
Ferrous-Ferric True: 675		Found **670.1**	% Rec **99.27%**		
pH 4 Quinhydrone True: 462		Found **499.5**	% Rec **108.12%**		
pH 4 Quinhydrone True: 462		Found	% Rec		
pH 4 Quinhydrone True: 462		Found **482.8**	% Rec **104.50%**		
pH 7 Quinhydrone True: 285		Found **295.6**	% Rec **103.72%**		
pH 7 Quinhydrone True: 285		Found **300**	% Rec **105.26%**		
pH 7 Quinhydrone True: 285		Found **298**	% Rec **104.56%**		

Sample #:	mv vs. Ag/AgCl Electrode	Corrected results (mv vs. Hydrogen electrode) ***
Ferrous-Ferric Solution	468.6	670.1
pH 4 Quinhydrone	298	499.5
pH 7 Quinhydrone	93.6	295.6
Dup GN28699-D1	197.1	398.6
1. JB98699-1	191.8	393.3
2. JB98699-2	187	388.5
3. JB98699-3	186.5	388
4. JB98699-4	206.8	408.4
5. JB98699-5	182	383.5
6. JB98894-1	222.5	424
7. JB98894-2	201	402.5
8. JB98894-3	225.9	427.4
9. JB98897-1	154.5	356
pH 4 Quinhydrone	281.4	482.9
pH 7 Quinhydrone	98.5	300
10. JB98897-3	168.1	369.6
11. JB98919-1	188.7	390.3
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
pH 4 Quinhydrone	281.3	482.8
pH 7 Quinhydrone	96.5	298

*** Note: Results vs Ag/AgCl electrode are converted to corrected results automatically at the instrument by changing to the relative mv scale. This conversion is done by adding about 200 mV to the Ag/AgCl reading.

Reagent Numbers: GNE5-43757-ORP 11/7/15

Comments:

ACCUTEST.

Analyst S.A

Method E H/PH

Prep Date 7/11/15

Balance # B36

GP # GN28698-pH
GN28699-pH

Sample Prep Log

Sample ID	Sample Size	Final Volume
JB98897-1	50.00g	added 50-mL DI H2O
-3	50.11g	
JB98904-13	50.00g	
-14	50.26g	
-15	50.24g	
JB98699-1	50.20g	
-2	50.21g	
-2Rp	50.20g	
-3	50.29g	
-4	50.11g	
-5	50.36g	
JB98919-1	50.30g	
JB98894-1	50.29g	
-2	50.21g	
-3	50.78g	
-1A	50.96g	
-2A	50.24g	
-3A	50.21g	

Form: GN166-02
Rev. Date: 8/5/05

QC Review_____

Hexavalent Chromium

Test Title:	XCRA
GN Batch:	GN28973
Analyst:	CLD
Prep Date:	7/14/2015
Analysis Date:	7/16/2015
Instrument ID:	O

Method: SW846 3060A, 7196A

Note: All results below shown on a wet weight basis.

Bottle #	Sample #	Sample Absorbance	BKGRD Abs	Analysis Times	Y Values Corr Sample Absorbance	X Values Conc(mg/l)	Final Vol. (ml)	Sam Wt. (g)	Dilution	Final Conc.	Units	MDL	RDL
	Cal. Blk.	0.000	NA	8:21	0.000	0.0000							
	STD 1	0.010	NA	8:26	0.010	0.0100							
	STD 2	0.044	NA	8:26	0.044	0.0500							
	STD 3	0.088	NA	8:26	0.088	0.1000							
	STD 4	0.256	NA	8:26	0.256	0.3000							
	STD 5	0.434	NA	8:26	0.434	0.5000							
	STD 6	0.696	NA	8:26	0.696	0.8000							
	STD 7	0.847	NA	8:26	0.847	1.0000							
	CCV	0.420	NA	16:43	0.420	0.4890	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB	0.000	NA	16:43	0.000	-0.0023	NA	NA	NA	NA	mg/l	0.005	0.010
	GP90527-MB1	0.000	0.000	16:51	0.000	-0.0023	100.0	2.5000	1	-0.092	mg/kg	0.188	0.400
	GP90527-B1	0.772	0.000	16:51	0.772	0.9008	100.0	2.5000	1	36.033	mg/kg	0.188	0.400
	GP90527-S1	0.339	0.106	16:51	0.233	0.2703	100.0	2.5300	1	10.683	mg/kg	0.188	0.395
	GP90527-D1	0.190	0.114	16:51	0.076	0.0866	100.0	2.4100	1	3.594	mg/kg	0.188	0.415
	JB98699-2	0.121	0.110	16:51	0.011	0.0106	100.0	2.5300	1	0.417	mg/kg	0.188	0.395
	JB98699-2PSCONF	0.474	0.028	16:51	0.446	0.5195	100.0	2.5300	2	41.064	mg/kg	0.188	0.791
	GP90527-B2	>3	OVR	16:51		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
	GP90527-S2	>3	OVR	16:51		#VALUE!	100.0	2.4200	1	#VALUE!	mg/kg	0.188	0.413
	GP90527-B2	0.434	0.000	16:51	0.434	0.5054	100.0	2.5000	50	1010.839	mg/kg	0.188	20.000
	GP90527-S2	0.390	0.002	16:51	0.388	0.4516	100.0	2.4200	50	933.068	mg/kg	0.188	20.661
	CCV	0.422	NA	16:51	0.422	0.4914	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB	0.000	NA	16:51	0.000	-0.0023	NA	NA	NA	NA	mg/l	0.005	0.010
	JB98699-1	0.069	0.067	16:56	0.002	0.0000	100.0	2.5200	1	0.001	mg/kg	0.188	0.397
	JB98699-3	0.460	0.450	16:56	0.010	0.0094	100.0	2.4100	1	0.390	mg/kg	0.188	0.415
	JB98699-4	0.500	0.705	16:56	0.000	-0.0023	100.0	2.5800	1	-0.089	mg/kg	0.188	0.388
	JB98699-5	0.230	0.210	16:56	0.020	0.0211	100.0	2.4000	1	0.879	mg/kg	0.188	0.417
				16:56		#VALUE!	100.0	2.5000	5	#VALUE!	mg/kg	0.188	2.000
				16:56		#VALUE!	100.0	2.5000	2	#VALUE!	mg/kg	0.188	0.800
				16:56		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				16:56		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				16:56		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				16:56		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
	CCV	0.453	NA	16:56	0.453	0.5271	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB	0.000	NA	16:56	0.000	-0.0023	NA	NA	NA	NA	mg/l	0.005	0.010
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
	CCV		NA			#VALUE!	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB		NA			#VALUE!	NA	NA	NA	NA	mg/l	0.005	0.010
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
	CCV		NA			#VALUE!	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB		NA			#VALUE!	NA	NA	NA	NA	mg/l	0.005	0.010
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400

Corr. Coef:	0.99985
Slope:	0.8548
Y intercept:	0.002

NP 7/18/15

7.4.7

ACCUTEST.

Test: **Hexavalent Chromium** MDL = 0.188 mg/kg GNBatch ID: GN28973
Product: **XCr** RDL = 0.40 mg/kg Date: 7/16/15
Method: **SW846 3060A/7196A**

Digestion Batch QC Summary Units = mg/kg

Method Blank ID: GP90527-MB1 Date: 7/16/15 Result: <RDL RDL: 0.40 <RDL: Y
Sol. Spike Blank ID: -B1 Date: ↓ Result: 36.033 Spike: 40.00 %Rec.: 90.08%
Insol. Spike Blank ID: -B2 Date: ↓ Result: 1010.839 Spike: 1010.39 %Rec.: 100.04%
Duplicate ID: -D1 Samp. Result: ~~0.422~~ 0.417 C20 Dup. Result: ~~3.464~~ 3.594 C20 %RPD: ~~156.56~~ C20 158.41%
Sol. MS ID: -S1 Samp. Result: ↓ MS Result: ~~10.814~~ 10.683 C20 Spike: 39.526 %Rec: ~~26.30%~~ C20 25.97%
Insol. MS ID: -S2 Samp. Result: ↓ MS Result: ~~903.210~~ 933.068 Spike: 1130.27 %Rec: ~~79.88%~~ C20 82.52%
Post Spike ID: JB98699-2 Samp. Result: ↓ PS Result: ~~41.557~~ 41.064 Spike: 40.053 %Rec: ~~102.90%~~ C20 101.48%
Diluted Sample ID: ↓ Samp. Result: ↓ Dil. Result: %RPD:
pH adj. PS ID: ↓ Samp. Result: ↓ MS Result: Spike: %Rec:

Analysis Batch QC Summary Units = mg/l

CCV: 7/16/15 Result: 6.4890 TV: 0.500 %Rec.: 97.80%
CCV: ↓ Result: 0.4914 TV: 0.500 %Rec.: 98.28%
CCV: ↓ Result: 0.5271 TV: 0.500 %Rec.: 105.42%
CCV: Result: TV: 0.500 %Rec.:
CCV: Result: TV: 0.500 %Rec.:
CCV: Result: TV: 0.500 %Rec.:
CCV: Result: TV: 0.500 %Rec.:
CCV: Result: TV: 0.500 %Rec.:
CCV: Result: TV: 0.500 %Rec.:

CCB: 7/16/15 Result: <RDL RDL: 0.010 <RDL: Y
CCB: ↓ Result: ↓ RDL: 0.010 <RDL: ↓
CCB: ↓ Result: ↓ RDL: 0.010 <RDL: ↓
CCB: Result: RDL: 0.010 <RDL:
CCB: Result: RDL: 0.010 <RDL:
CCB: Result: RDL: 0.010 <RDL:
CCB: Result: RDL: 0.010 <RDL:
CCB: Result: RDL: 0.010 <RDL:
CCB: Result: RDL: 0.010 <RDL:

Reagent Reference Information - refer to attached reagent reference information page(s).

Insoluble spike = $PbCrO_4$ Molecular weight = 323.2 g/mol Cr = 52.0 g/mol

{1000000 ug/g x Insoluble spike wt(g) x 52/323.2}/ms sample wt(g) = Insoluble spike amount

Analyst: C20 Date: 7/16/15

Comments:

Form: GN066-03
Rev. Date: 18-May-2015

7.4.7

ACCUTEST

Hexavalent Chromium pH Adjustment Log
Method Sw846 3060A/7196A

pH Meter ID: OH-59
Digestion Date: 7/14/15
pH adj. Date: 7/16/15
GN Batch ID: GN28973

pH adj. start time: 16:08 16:33
pH adj. end time: 16:17 16:37

Sample ID (GP90527)	Sample Weight in g	pH after HNO3 (7.0 to 8.0)	Final Volume (ml)	pH after H2SO4 (1.5 to 2.5)	bkg pH after H2SO4	Spike Amounts	Spike Solution	Digestate Description/Comments
CCV		7.11	100	1.76	1.82	5.0ml	10ppm Ultra	
CCV								
CCV								
CCV								
CCB		7.65	100	1.99	2.05			
CCB								
CCB								
CCB								
MS (Sol) JB98699-2	2.53	7.80	100	1.87	1.54	1.0ml	100ppm Abs	
MS (Insol.)	2.42	7.22	↓	1.73	OVR	0.0170g	PbCrO4	
DUP	2.41	7.69		2.40	1.89			
SB (Sol)	2.50g	7.98		1.69	1.71	1.0ml	100ppm Abs	
SB (Insol)	2.50g	7.77		1.53	OVR	0.0157g	PbCrO4	
MB	2.50g	7.55		1.62	2.22			
1 JB98699-2	2.53	7.63		1.79	1.56			Brown
2 -1	2.52	7.82		1.88	1.72			↓
3 -3	2.41	7.59		2.05	1.81			Black
4 -4	2.58	7.66		2.44	1.74			↓
5 -5	2.40	7.72	↓	1.67	1.92			Dark brown
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
SB (Insol)	2.50g	7.77	100	1.66	2.03			dilution 1:50 1ml to 50ml
MS (Insol.)	2.42	7.22	↓	1.98	1.72			dilution 1:50 1mL to 50mL
PS	2.53	7.63	✓	2.22	1.89	0.220	100ppm Abs.	1:2 25mL to 50mL
pH adjusted PS	2.58	7.64	100	—	—	0.233	100ppm Abs.	↓
1:5 dil.	2.58	7.64	100	—	—			10ml to 50ml
JB98699-2 EX	2.58	7.64	100	—	—			

Reagent Reference Information - refer to attached reagent reference information page(s).

{1000000 ug/g x Insoluble spike wt(g) x 52/323.2}/ms sample wt(g) = Insoluble spike amount of PbCrO4

Digestion analyst & date: NF/YR 7/14/15 Analysis analyst & date: CAD 7/16/15

2nd analyst check: Analyst:

Form: GN067-02a
Rev. Date: 15-May-15

ACCUTEST.

Hexavalent Chromium pH Adjustment Log
Method: SW846 3060A/7196A

pH adj. start time: 7:56 — 8:07
pH adj. end time: 8:00 — 8:09

pH adjustment Date: 7/16/15
GN Batch ID: GN28973

Sample ID	Sample Weight in g	pH after HNO3	Final Volume (ml)	pH after H2SO4	Comments	Spike Info.
Calibration Blank	NA	7.04	100	1.64		
0.010 mg/l standard	NA	7.56		1.59		0.10 ml of 10 mg/l
0.050 mg/l standard	NA	7.36		1.54		0.50 ml of 10 mg/l
0.100 mg/l standard	NA	7.59		1.64		1.00 ml of 10 mg/l
0.300 mg/l standard	NA	7.78		1.71		3.00 ml of 10 mg/l
0.500 mg/l standard	NA	7.25		1.60		5.00 ml of 10 mg/l
0.800 mg/l standard	NA	7.38		1.52		8.00 ml of 10 mg/l
1.00 mg/l standard	NA	7.84	↓	1.71		10.0 ml of 10 mg/l

Reagent Reference Information - refer to attached reagent reference information page(s).

{1000000 ug/g x Insoluble spike wt(g) x 52/323.2}/ms sample wt(g) = Insoluble spike amount of PbCrO4

Anayst: CMS
Date: 7/16/15

Form: GN068-01
Rev. Date:5/22/06

ACCUTEST.

HEXAVALENT CHROMIUM STANDARD PREPARATION LOG

Product: XCRA

GN or GP Number: GN 28973

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume used in ml	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
10 ppm	Absolute Grade Lot # 021215	1000 ppm	1.0 ml	DI	100 mls	10 mg/l	2/12/2018	YMS	7/16/15
100 ppm		1000 ppm	10 ml	DI	100 mls	100 mg/l			
5 ppm		1000 ppm	1.0 ml	DI	200 mg/l	5 mg/l			
7.5 ppm		1000 ppm	1.5 ml	DI	200 mg/l	7.5 mg/l			
10 ppm	Ultra lot R01215	1000 ppm	1.0 ml	DI	100 mg/l	10 mg/l	12/31/2020	YMS	7/16/15

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Diluent	Final Volume	Final Conc. Of Standard (mg/l)	Expiration Date	Analyst	Date
0.010 ppm	10.0 ppm abs	10.0 ppm	0.1 ppm	DI	100 mls	0.01 mg/l	7/17/16	YMS	7/16/15
0.050 ppm	10.0 ppm abs	10.0 ppm	0.5 ppm	DI	100 mls	0.05 mg/l	↓	↓	↓
0.10 ppm	10.0 ppm abs	10.0 ppm	1.0 ppm	DI	100 mls	0.10 mg/l			
0.30 ppm	10.0 ppm abs	10.0 ppm	3.0 ppm	DI	100 mls	0.30 mg/l			
0.50 ppm	10.0 ppm abs	10.0 ppm	5.0 ppm	DI	100 mls	0.50 mg/l			
0.80 ppm	10.0 ppm abs	10.0 ppm	8.0 ppm	DI	100 mls	0.80 mg/l			
1.00 ppm	10.0 ppm abs	10.0 ppm	10.0 ppm	DI	100 mls	1.0 mg/l			

Form: GN205-02
Rev. Date:10/16/09

ACCUTEST

HEXAVALENT CHROMIUM TEMPERATURE AND TIME DIGESTON LOG - METHOD 3060A

Record a minimum of starting, middle, and ending temperatures for each batch.

Thermometer ID: 110664/2107554/2105634/1108728/110146
Thermometer Correction factor: -1 / -1.9 / -1.2 / -2.5 / -0.8

Note: Minimum of 1 hour digestion time for each batch. Corrected temperatures must be in the range of 90 to 95 deg. C.

Digestion Batch ID	Description	Time	Temp. in deg. C Hot Plate # 6 - Uncorrected/Corrected	Temp. in deg. C Hot Plate # 3 - Uncorrected/Corrected	Temp. in deg. C Hot Plate # 2 - Uncorrected/Corrected	Temp. in deg. C Hot Plate # 7 - Uncorrected/Corrected	Temp. in deg. C Hot Plate # 5 - Uncorrected/Corrected
GP90524	Starting Time	10:00	94 / 93	94/92.1	93/91.8	95/92.5	94/93.2
GP90525	Time 1	10:30	94 / 93	94/92.1	93/91.8	95/92.5	94/93.2
GP90526	Ending Time	11:00	94/93	94/92.1	93/91.8	95/92.5	94/93.2
GP90527	Starting Time	11:05	94/93	94/92.1	93/91.8	95/92.5	94/93.2
GP90528	Time 1	11:35	95/94	94/92.1	93/91.8	95/92.5	95/94.2
GP90529	Ending Time	12:05	95/94	93/91.1	93/91.8	94/91.5	95/94.2
	Starting Time						
	Time 1						
	Ending Time						

Analyst: NR/YR
2nd Analyst Check:

Date: 7/14/15

Form: GN074-02
Rev. Date: 8/08/12

ACCUTEST.

GN/GP Batch ID: GP90527 GN28973

Reagent Information Log - XCRA (soil 3060A/7196)

Reagent	Exp. Date	Reagent # or Manufacturer/Lot
Calibration Source: Hexavalent Chromium, 1000 mg/L Stock	4/27/2018	Absolute Grade Lot #042715
Calibration Checks: Hexavalent Chromium, 1000 mg/L Stock	9/22/2019	Ultra lot #R01215
Spiking Solution Source	2/12/2018	Absolute Grade Lot #021215
Lead Chromate (Insoluble Hexavalent Chromium Spike)	8/20/2019	Sigma Aldrich Lot #BCBL835855V
Magnesium Chloride, Anhydrous	8/14/2018	Alfa Aesar Lot #F19Z033
1N NaOH	11/19/2015	GNE5-43882-XCR
Digestion Solution	8/8/2015	GNE7-44414-XCRA
Phosphate Buffer Solution	1/8/2016	GNE7-44412-XCRA
5.0 M Nitric Acid	1/8/2016	GNE7-44404-XCRA
Diphenylcarbazide Solution	8/7/2015	GNE7-44387-XCR
Sulfuric Acid, 10%	1/8/2016	GNE7-44403-XCR
Filter	NA	LOT# 141107059
Teflon Chips	NA	919120
0.45um syringe filter	NA	14027027

Form: GN087A-21B
Rev. Date: 2/18/10

ACCUTEST LABS
DAYTON, NJ

3060A/7196A POST-DIGEST SPIKE LEVEL CALCULATION SPREADSHEET

GP Batch: GP90527

NOTE: Always dilute post-spike first, then take a 45 ml aliquot of the diluted post-spike and add the spike amount.

Sample ID	PS Aliquot Weight in g Digested in 100 ml	Weight in 45 ml	Results in mg/kg.	Amount in ml to add of 100 ppm solution	Dilution needed	Suggested Dilution to use	Actual Dilution to be used	Suggested ml of 100 ppm to spike on dilution of sample.	Actual ml of 100 ppm to spike on dilution of sample.	Est. Read-back on curve in mg/l	Calculated Spike Amount in mg/kg	Use calculated or default spike?
JB98669-2	2.53	1.1385	0.422	0.455	yes	1	2	0.228	0.228	0.512	40.053	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike

3060A/7196A INSOLUBLE SPIKE CALCULATION

Weight of PbCrO4	Weight of Sample	Amount Spiked
0.0157	2.5	1010.396
0.017	2.42	1130.227
		#DIV/0!
		#DIV/0!
		#DIV/0!

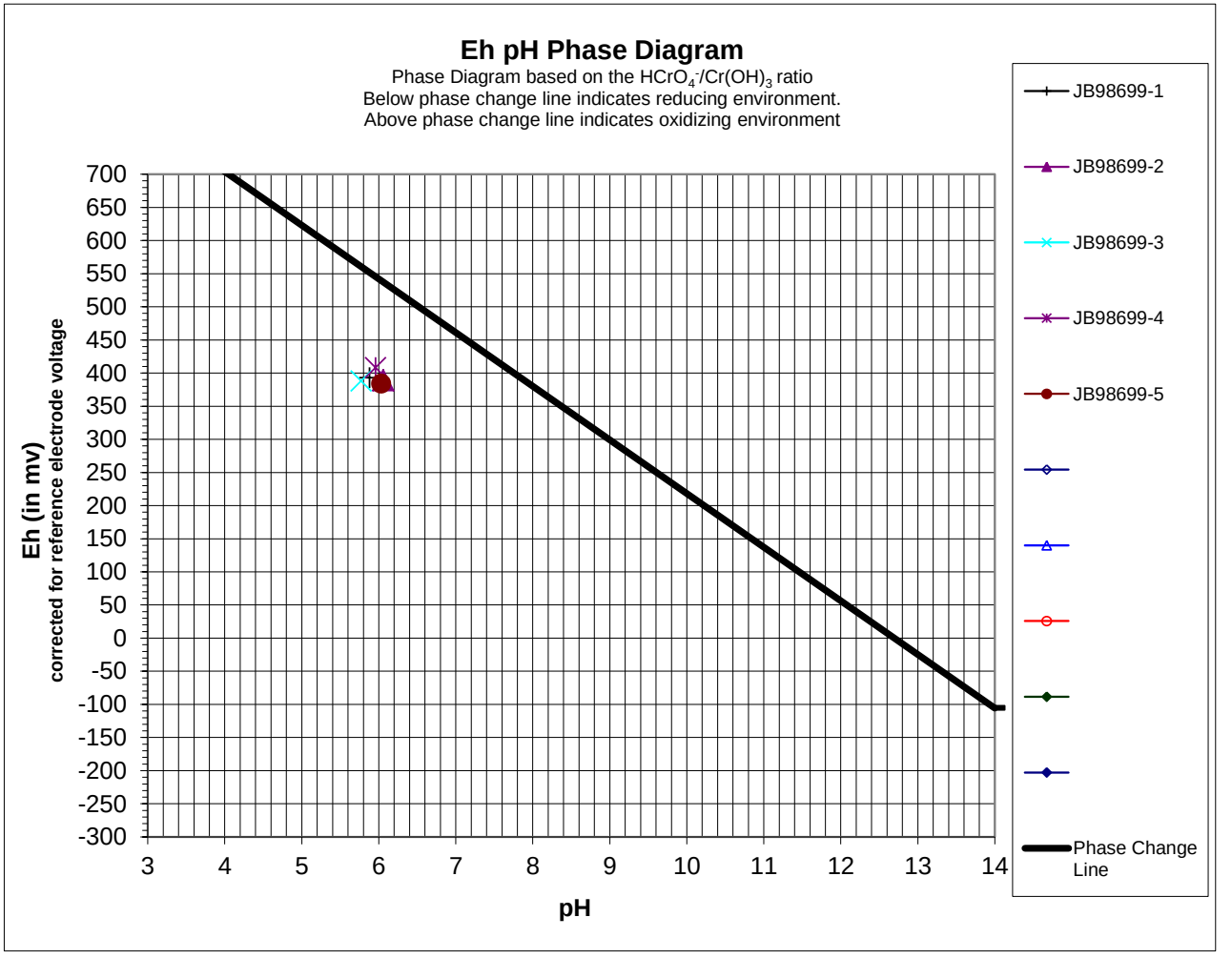
Validated By: JJY
Doc. Control #: AGN-XCRAPSCALC-01

Date Validated: 2/26/13

ACCUTEST

	pH	eH (MV)
Phase Change Line	0	1027.7
	14	-105.6

Sample Number	pH	eH (mv)
JB98699-1	5.88	393
JB98699-2	6.06	389
JB98699-3	5.77	388
JB98699-4	5.96	408
JB98699-5	6.03	384



Note that the Eh values plotted on this diagram are corrected for the reference electrode voltage and the values shown are versus the standard hydrogen electrode

Reference for graph: SW846 method 3060A

New Jersey ACCUTEST LABORATORIES

01/18/16

Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

Technical Report for

TRC

SMC OU2, 35 South West Boulevard, Newfield, NJ

112434.00OU2.003050 PO # 82682

Accutest Job Number: JB98699A

Sampling Dates: 07/06/15 - 07/08/15

Report to:

TRC

ddanehy@trcsolutions.com

ATTN: Daniel Danehy

Total number of pages in report: **300**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

Sections: 1 2 3 4 5 6 7 8

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **6**
4.1: JB98699-1A: SD-27R 7
4.2: JB98699-2A: SD-29R 8
4.3: JB98699-3A: SD-25R 9
4.4: JB98699-4A: SD-26R 10
4.5: JB98699-5A: DUP-01 11
4.6: JB98699-6A: EQBLANK 070815 12
Section 5: Misc. Forms **13**
5.1: Chain of Custody 14
5.2: Sample Tracking Chronicle 18
5.3: Internal Chain of Custody 19
Section 6: Metals Analysis - QC Data Summaries **23**
6.1: Inst QC MA37086: Cr 24
6.2: Inst QC MA37096: Cr 68
6.3: Inst QC MA37100: Cr 90
6.4: Prep QC MP87627: Cr 122
6.5: Prep QC MP87667: Cr 134
6.6: IDL and Linear Range Summaries 144
Section 7: Metals Analysis - Raw Data **148**
7.1: Raw Data MA37086 149
7.2: Raw Data MA37096 217
7.3: Raw Data MA37100 248
7.4: Prep Logs 294
Section 8: General Chemistry - QC Data Summaries **299**
8.1: Percent Solids Raw Data Summary 300

Sample Summary

TRC

Job No: JB98699A

SMC OU2, 35 South West Boulevard, Newfield, NJ
Project No: 112434.00OU2.003050 PO # 82682

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB98699-1A	07/06/15	14:30	DD	07/08/15	SO	Sediment	SD-27R
JB98699-2A	07/07/15	11:50	DD	07/08/15	SO	Sediment	SD-29R
JB98699-2DA	07/07/15	11:51	DD	07/08/15	SO	Soil Dup/MSD	SD-29R MSD
JB98699-2SA	07/07/15	11:51	DD	07/08/15	SO	Soil Matrix Spike	SD-29R MS
JB98699-3A	07/07/15	12:45	DD	07/08/15	SO	Sediment	SD-25R
JB98699-4A	07/07/15	13:00	DD	07/08/15	SO	Sediment	SD-26R
JB98699-5A	07/07/15	00:00	DD	07/08/15	SO	Sediment	DUP-01
JB98699-6A	07/08/15	08:15	DD	07/08/15	AQ	Equipment Blank	EQBLANK 070815

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	TRC	**Job No**	JB98699A
Site:	SMC OU2, 35 South West Boulevard, Newfield, NJ	**Report Date**	7/21/2015 10:33:23 A

On 07/08/2015, 5 Sample(s), 0 Trip Blank(s) and 1 Equipment Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 3.7 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB98699A was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP87627

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB98772-1PS, JB98772-1MSD, JB98772-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Chromium are outside control limits. Spike recovery indicates possible matrix interference.

Matrix: SO **Batch ID:** MP87667

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB98699-2AMSD, JB98699-2ASDL, JB98699-2AMS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Chromium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JB98699A
Account: TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Collected: 07/06/15 thru 07/08/15

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB98699-1A	**SD-27R**					
Chromium		131	1.0		mg/kg	SW846 6010C
JB98699-2A	**SD-29R**					
Chromium		4.6	1.0		mg/kg	SW846 6010C
JB98699-3A	**SD-25R**					
Chromium		408	1.0		mg/kg	SW846 6010C
JB98699-4A	**SD-26R**					
Chromium		821	1.0		mg/kg	SW846 6010C
JB98699-5A	**DUP-01**					
Chromium		6.4	1.0		mg/kg	SW846 6010C
JB98699-6A	**EQBLANK 070815**					

No hits reported in this sample.

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SD-27R		
Lab Sample ID:	JB98699-1A	**Date Sampled:**	07/06/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	56.6
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	131	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-29R		
Lab Sample ID:	JB98699-2A	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	32.1
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	4.6	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-25R		
Lab Sample ID:	JB98699-3A	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	24.7
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	408	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-26R		
Lab Sample ID:	JB98699-4A	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	40.3
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	821	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-01		
Lab Sample ID:	JB98699-5A	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	32.0
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	6.4	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	EQBLANK 070815		
Lab Sample ID:	JB98699-6A	**Date Sampled:**	07/08/15
Matrix:	AQ - Equipment Blank	**Date Received:**	07/08/15
		Percent Solids:	n/a
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	< 10	10	ug/l	1	07/13/15	07/15/15	AP	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA37086
(2) Prep QC Batch: MP87627

RL = Reporting Limit

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

E

ACCUTEST LABORATORIES

SED FB

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

Impulse

PAGE ___ OF ___

Fed-Ex Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JB98699

Client / Reporting Information

Company Name: TRC	Project Name: SMC ~~OU2~~ OU2 Burnt Mill Pond
Street Address: 1601 Market St. Suite 2555	Street: 35 SW Blvd
City: Philadelphia State: PA Zip: 19103	City: Newfield State: NJ
Project Contact: PJ Hansen E-mail:	Project #: 112434.[illegible]OU2.003050
Phone #: 215-563-2122 Fax #:	Client Purchase Order #: 826682
Sampler(s) Name(s): D. Dawley Phone #: 215-680-3990	Project Manager: PJ Hansen

Project Information

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collector Date	Collector Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCS	CS	LAB USE ONLY
1	SD-27R		7/6/15	1430	DD	SED	1					1						C22
	SD-29R		7/7/15	1150	DD	SED	1					1						
2	SD-29R MS/MSD		7/7/15	1151	DD	SED	2					2						A6, C1
	~~SD-29R MSD~~																	
3	SD-25R		7/7/15	1245	DD	SED	1					1						
4	SD-26R		7/7/15	1300	DD	SED	1					1						
5	DUP-01		7/7/15	—	DD	SED	1					1						
6	EQBlank 070815		7/8/15	0815	DD	DI water	2			1		1						

INITIAL ASSESSMENT 2/4/15
LABEL VERIFICATION

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

Approved By (Accutest PM) / Date:

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Emergency & Rush T/A data available VIA Labtrk

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature]	070815/1700	1 [signature] 7.8.15 1700	[signature] 7.8.15 1850		2 [signature]
3		3	4		4
5		5	Custody Seal # ☐ intact ☐ not intact	Preserved where applicable ☑	Dr. Ice ☑ Cooler Temp 3.6 °C 4.0

JB98699A: Chain of Custody
Page 1 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB98699 **Client:** **Project:**

Date / Time Received: 7/8/2015 6:50:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6); Cooler 2: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.3); Cooler 2: (3.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

ACCUTEST LABORATORIES

Job Change Order: JB98699

Requested Date:	7/17/2015	**Received Date:**	7/8/2015
Account Name:	TRC	**Due Date:**	7/22/2015
Project Description:	SMC OU2, 35 SW Boulevard, Newfield, NJ	**Deliverable:**	FULT1
CSR:	mattc	**TAT (Days):**	14

Sample #: JB98699-1,2,3,4,5

Dept:

Change:
due to XCR spike log in XXCRAR

Sample #: JB98699-2

Dept:

Change:
due to XCR spike log in FE2/7,TOCLK,SULFS

SD-29R

Above Changes Per:

Date/Time: 7/17/2015 12:04:15 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

ACCUTEST LABORATORIES

Job Change Order: JB98699A

Requested Date:	10/12/2015	**Received Date:**	7/8/2015
Account Name:	TRC	**Due Date:**	7/22/2015
Project Description:	SMC OU2, 35 South West Boulevard, Newfield, NJ	**Deliverable:**	REDT2
CSR:	mattc	**TAT (Days):**	14

==========

Sample #: JB98699A-all

Dept:

TAT:

Change:
upgrade to FULLT1 and reissue by 10/13

==========

Above Changes Per: E Denly **Date/Time:** 10/12/2015 10:38:40 AM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Internal Sample Tracking Chronicle

TRC

Job No: JB98699A

SMC OU2, 35 South West Boulevard, Newfield, NJ
Project No: 112434.00OU2.003050 PO # 82682

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB98699-1A	Collected: 06-JUL-15 14:30 By: DD			Received: 08-JUL-15 By: AS		
SD-27R						
JB98699-1A	SW846 6010C	15-JUL-15 18:53	BS	14-JUL-15	MO	CR
JB98699-2A	Collected: 07-JUL-15 11:50 By: DD			Received: 08-JUL-15 By: AS		
SD-29R						
JB98699-2A	SW846 6010C	15-JUL-15 17:44	BS	14-JUL-15	MO	CR
JB98699-3A	Collected: 07-JUL-15 12:45 By: DD			Received: 08-JUL-15 By: AS		
SD-25R						
JB98699-3A	SW846 6010C	15-JUL-15 18:56	BS	14-JUL-15	MO	CR
JB98699-4A	Collected: 07-JUL-15 13:00 By: DD			Received: 08-JUL-15 By: AS		
SD-26R						
JB98699-4A	SW846 6010C	15-JUL-15 18:58	BS	14-JUL-15	MO	CR
JB98699-5A	Collected: 07-JUL-15 00:00 By: DD			Received: 08-JUL-15 By: AS		
DUP-01						
JB98699-5A	SW846 6010C	15-JUL-15 19:01	BS	14-JUL-15	MO	CR
JB98699-6A	Collected: 08-JUL-15 08:15 By: DD			Received: 08-JUL-15 By: AS		
EQBLANK 070815						
JB98699-6A	SW846 6010C	15-JUL-15 03:07	AP	13-JUL-15	DP	CR

Accutest Internal Chain of Custody

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-1.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-1.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-1.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-1.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-1.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-1.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-1.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-1.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-1.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-1.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-1.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-1.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-1.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-1.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-1.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-1.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-1.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-1.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-1.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-1.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-1.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-1.1
JB98699-1.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-1.1
JB98699-1.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-1.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-1.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-1.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-2.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-2.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-2.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-2.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-2.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-2.2	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-2.2	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-2.2	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-2.2	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-2.2	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-2.2	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-2.2	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-2.2	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-2.2	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-2.2	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-2.2	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-2.2	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-2.2	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-2.2	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-2.2	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-2.2	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-2.2.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-2.2
JB98699-2.2.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-2.2
JB98699-2.2.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-2.2.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-2.2.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-2.2.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-2.3	Secured Storage	Todd Shoemaker	07/14/15 13:55	Retrieve from Storage
JB98699-2.3	Todd Shoemaker	Kruti Patel	07/14/15 14:18	Custody Transfer
JB98699-2.3	Kruti Patel	Secured Storage	07/14/15 15:45	Return to Storage
JB98699-2.3	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-3.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-3.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-3.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-3.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-3.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-3.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-3.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-3.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-3.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-3.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-3.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-3.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-3.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-3.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-3.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-3.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-3.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-3.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-3.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-3.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-3.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-3.1
JB98699-3.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-3.1
JB98699-3.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-3.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-3.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-3.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-4.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-4.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-4.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-4.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-4.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-4.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-4.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-4.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-4.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-4.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-4.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-4.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-4.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-4.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-4.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-4.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-4.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-4.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-4.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-4.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-4.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-4.1
JB98699-4.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-4.1
JB98699-4.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-4.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-4.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-4.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-5.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-5.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-5.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-5.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-5.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-5.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-5.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-5.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-5.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-5.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-5.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-5.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-5.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-5.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-5.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-5.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-5.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-5.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-5.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-5.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-5.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-5.1
JB98699-5.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-5.1
JB98699-5.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-5.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-5.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-5.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-6.1	Secured Storage	Deval Patel	07/13/15 15:46	Retrieve from Storage
JB98699-6.1	Deval Patel	Secured Storage	07/13/15 16:02	Return to Storage
JB98699-6.1	Shirley Grzybowski		08/21/15 09:24	Disposed
JB98699-6.1.1	Deval Patel	Metals Digestion	07/13/15 15:53	Digestate from JB98699-6.1
JB98699-6.1.1	Metals Digestion	Deval Patel	07/13/15 15:53	Digestate from JB98699-6.1
JB98699-6.1.1	Deval Patel	Metals Digestate Storage	07/13/15 15:53	Return to Storage
JB98699-6.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-6.2	Secured Storage	Edwin Gonzalez	07/08/15 20:55	Retrieve from Storage
JB98699-6.2	Edwin Gonzalez	Secured Staging Area	07/08/15 20:55	Return to Storage
JB98699-6.2	Secured Staging Area	Lucas Schneider	07/08/15 20:56	Retrieve from Storage
JB98699-6.2	Lucas Schneider	Secured Storage	07/08/15 22:12	Return to Storage
JB98699-6.2	Shirley Grzybowski		08/21/15 09:24	Disposed

New Jersey ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:34	MA37086-STD1	1		STDA
12:40	MA37086-STD2	1		STDB
12:46	ZZZZZZ	1		
12:52	ZZZZZZ	1		
12:59	MA37086-ICV1	1		
13:12	MA37086-ICB1	1		
13:19	MA37086-ICCV1	1		
13:35	MA37086-CCB1	1		
13:40	MA37086-CRI1	1		
13:46	MA37086-CRID1	1		
13:52	MA37086-CRIA1	1		
13:58	MA37086-ICSA1	1		
14:04	MA37086-ICSAB1	1		
14:10	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:22	ZZZZZZ	1		
14:29	MA37086-CCV1	1		
14:34	MA37086-CCB2	1		
14:41	MA37086-CRID2	1		
14:47	ZZZZZZ	1		
14:53	ZZZZZZ	5		
14:59	ZZZZZZ	3		
15:05	ZZZZZZ	3		
15:11	ZZZZZZ	3		
15:17	ZZZZZZ	3		
15:23	ZZZZZZ	1		
15:29	ZZZZZZ	1		
15:35	MA37086-CCV2	1		
15:41	MA37086-CCB3	1		
15:47	ZZZZZZ	1		
15:55	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:07	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:15	ZZZZZZ	1		
16:22	ZZZZZZ	5		
16:35	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:47	ZZZZZZ	10		
16:53	MA37086-CCV3	1		
16:59	MA37086-CCB4	1		
17:05	ZZZZZZ	3		
17:11	ZZZZZZ	1		
17:17	ZZZZZZ	1		
17:23	MP87578-S2	1		
17:29	MP87617-B1	5		
17:35	MP87617-MB1	5		
17:41	MP87617-MB2	5		
17:47	MP87617-B2	5		
17:53	MP87617-S1	5		
17:59	MA37086-CCV4	1		
18:05	MA37086-CCB5	1		
18:11	MP87617-S2	5		
18:17	JB98837-1A	5		(sample used for QC only; not part of login JB98699A)
18:24	MP87617-SD1	25		
18:30	ZZZZZZ	5		
18:36	ZZZZZZ	5		
18:42	ZZZZZZ	5		
18:48	ZZZZZZ	5		
18:54	ZZZZZZ	5		
19:00	ZZZZZZ	5		
19:06	MA37086-CCV5	1		
19:12	MA37086-CCB6	1		
19:18	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:31	ZZZZZZ	5		
19:37	MP87618-MB1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:43	MP87618-B1	5		
19:49	MP87618-S1	5		
19:55	MP87618-S2	5		
20:01	JB98742-1	5		(sample used for QC only; not part of login JB98699A)
20:07	MP87618-SD1	25		
20:13	MA37086-CCV6	1		
20:19	MA37086-CCB7	1		
20:25	ZZZZZZ	5		
20:31	ZZZZZZ	5		
20:37	MP87617-B2	5		
20:43	ZZZZZZ	1		
20:49	MP87610-S1	1		
20:56	MP87610-S2	1		
21:02	JB98819-9F	1		(sample used for QC only; not part of login JB98699A)
21:08	MP87610-SD1	5		
21:14	MP87527-B1	1		
21:20	MA37086-CCV7	1		
21:26	MA37086-CCB8	1		
21:32	MA37086-CRI2	1		
21:38	MA37086-CRID3	1		
21:44	MA37086-CRIA2	1		
21:50	MA37086-CRID4	1		
21:56	MA37086-ICSA2	1		
22:03	MA37086-ICSAB2	1		
22:09	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:21	ZZZZZZ	1		
22:27	MA37086-CCV8	1		
22:33	MA37086-CCB9	1		
23:29	MP87527-MB1	1		high rsd-s on CCV
23:35	MP87527-S1	1		high rsd-s on CCV. Ca high. Rerun straight for FE
23:41	MP87527-S2	1		high rsd-s on CCV. Ca high. Rerun straight for FE
23:47	JB98455-1	1		(sample used for QC only; not part of login JB98699A)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:53	MP87527-SD1	5		high rsd-s on CCV. Ca high. Rerun straight for FE
23:59	ZZZZZZ	1		
00:06	ZZZZZZ	1		
00:12	MA37086-CCV9	1		
00:18	MA37086-CCB10	1		
00:24	MP87627-MB1	1		
00:30	MP87627-B1	1		
00:36	MP87627-S1	1		AS and Pb neg. Needs post spike
00:42	MP87627-S2	1		AS and Pb neg
00:48	JB98772-1	1		(sample used for QC only; not part of login JB98699A)
00:54	MP87627-SD1	5		AS and Pb neg
01:00	ZZZZZZ	1		
01:06	ZZZZZZ	1		
01:12	ZZZZZZ	1		
01:18	ZZZZZZ	1		
01:24	MA37086-CCV10	1		
01:30	MA37086-CCB11	1		
01:36	ZZZZZZ	1		
01:43	ZZZZZZ	1		
01:49	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:01	ZZZZZZ	1		
02:07	ZZZZZZ	1		
02:13	ZZZZZZ	1		
02:19	ZZZZZZ	1		
02:25	ZZZZZZ	1		
02:31	ZZZZZZ	1		
02:37	MA37086-CCV11	1		
02:43	MA37086-CCB12	1		
02:49	ZZZZZZ	1		
02:55	ZZZZZZ	1		
03:01	ZZZZZZ	1		
03:07	JB98699-6A	1		

----------> Last reportable sample/prep for job JB98699A

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:14	MP87632-B1	1		
03:19	MP87632-MB1	1		Batch to rerun or redigestion for Cu and Zn hits.
03:26	MP87632-S1	1		
03:31	MP87632-S2	1		
03:37	JB98495-1AB	1		(sample used for QC only; not part of login JB98699A)
03:43	MP87632-SD1	5		
03:50	MA37086-CCV12	1		
03:55	MA37086-CCB13	1		
04:02	ZZZZZZ	1		
04:08	ZZZZZZ	1		
04:14	ZZZZZZ	1		
04:20	ZZZZZZ	1		
04:26	ZZZZZZ	1		
04:32	ZZZZZZ	1		
04:38	ZZZZZZ	1		
04:44	ZZZZZZ	1		
04:50	ZZZZZZ	1		
04:56	ZZZZZZ	1		
05:02	MA37086-CCV13	1		
05:08	MA37086-CCB14	1		
05:14	MA37086-CRI3	1		
05:20	MA37086-CRID5	1		
05:26	MA37086-CRIA3	1		
05:32	MA37086-ICSA3	1		
05:39	MA37086-ICSAB3	1		
05:45	ZZZZZZ	1		
05:51	ZZZZZZ	1		
05:57	ZZZZZZ	1		
06:03	MA37086-CCV14	1		
06:09	MA37086-CCB15	1		
---------->	Last reportable CCB for job JB98699A			
06:15	ZZZZZZ	1		
06:21	ZZZZZZ	1		
06:27	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:38	ZZZZZZ	5		
06:48	ZZZZZZ	1		
06:58	MA37086-CCV15	1		
07:04	MA37086-CCB16	1		
07:10	MA37086-CRID6	1		
07:16	MA37086-CRI4	1		
07:22	MA37086-CRIA4	1		
07:28	MA37086-CCV16	1		
07:34	MA37086-CCB17	1		
07:40	ZZZZZZ	1		
07:46	ZZZZZZ	1		
07:52	ZZZZZZ	1		
07:59	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:34	MA37086-STD1	1097 R	74812 R	27692 R	3808 R
12:40	MA37086-STD2	1047	70167	26728	3407
12:46	ZZZZZZ	1069	71416	27335	3526
12:52	ZZZZZZ	1099	73705	27586	3796
12:59	MA37086-ICV1	1074	70978	27000	3528
13:12	MA37086-ICB1	1105	74212	27942	3829
13:19	MA37086-ICCV1	1064	70891	27141	3529
13:35	MA37086-CCB1	1107	74483	27973	3831
13:40	MA37086-CRI1	1098	73269	27827	3771
13:46	MA37086-CRID1	No results reported for the elements associated with this internal standard.			
13:52	MA37086-CRIA1	1095	73480	27978	3806
13:58	MA37086-ICSA1	981	65519	25041	3080
14:04	MA37086-ICSAB1	983	65618	25116	3092
14:10	ZZZZZZ	1094	68279	27759	3809
14:16	ZZZZZZ	1085	74140	28136	3826
14:22	ZZZZZZ	1109	74158	27738	3832
14:29	MA37086-CCV1	1084	71133	26976	3544
14:34	MA37086-CCB2	1091	73792	27505	3752
14:41	MA37086-CRID2	1108	73299	27427	3799
14:47	ZZZZZZ	1093	73046	27130	3779
14:53	ZZZZZZ	1083	71973	27053	3714
14:59	ZZZZZZ	1060	70387	27056	3565
15:05	ZZZZZZ	1079	71887	27205	3680
15:11	ZZZZZZ	1080	71592	27080	3643
15:17	ZZZZZZ	1064	70245	27200	3499
15:23	ZZZZZZ	1112	73521	27276	3803
15:29	ZZZZZZ	1091	71122	26738	3597
15:35	MA37086-CCV2	1083	70523	26482	3522
15:41	MA37086-CCB3	1110	73093	27319	3796
15:47	ZZZZZZ	1111	69413	27446	3806
15:55	ZZZZZZ	1098	71910	26755	3752
16:01	ZZZZZZ	1092	72783	27010	3754
16:07	ZZZZZZ	1113	73640	27580	3805

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:15	ZZZZZZ	938	64163	25378	3128
16:22	ZZZZZZ	1084	72550	27289	3717
16:35	ZZZZZZ	1099	74056	27625	3813
16:41	ZZZZZZ	1093	72129	26974	3603
16:47	ZZZZZZ	1097	72641	27280	3756
16:53	MA37086-CCV3	1079	71084	26684	3513
16:59	MA37086-CCB4	1114	73890	27426	3805
17:05	ZZZZZZ	1062	70545	27084	3558
17:11	ZZZZZZ	1044	69288	26830	3411
17:17	ZZZZZZ	1106	73618	27632	3851
17:23	MP87578-S2	1021	68755	26944	3388
17:29	MP87617-B1	1059	69810	27189	3392
17:35	MP87617-MB1	1059	69243	27383	3427
17:41	MP87617-MB2	1067	69734	27191	3447
17:47	MP87617-B2	1057	69998	27259	3354
17:53	MP87617-S1	1080	70635	27060	3461
17:59	MA37086-CCV4	1088	70809	26719	3529
18:05	MA37086-CCB5	1117	73830	27365	3790
18:11	MP87617-S2	1078	70501	27215	3448
18:17	JB98837-1A	1055	69743	27071	3402
18:24	MP87617-SD1	1106	72420	27316	3696
18:30	ZZZZZZ	1066	69619	27260	3413
18:36	ZZZZZZ	1069	70015	27267	3427
18:42	ZZZZZZ	1069	70075	26980	3458
18:48	ZZZZZZ	1079	69678	27023	3475
18:54	ZZZZZZ	1060	68825	26968	3374
19:00	ZZZZZZ	1053	69192	27009	3362
19:06	MA37086-CCV5	1087	71274	26827	3524
19:12	MA37086-CCB6	1122	73888	27455	3808
19:18	ZZZZZZ	1111	73495	27207	3792
19:25	ZZZZZZ	1070	71632	26958	3598
19:31	ZZZZZZ	1104	71586	27798	3404
19:37	MP87618-MB1	1080	69845	26991	3477

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:43	MP87618-B1	1083	70292	27178	3428
19:49	MP87618-S1	1068	69602	26933	3384
19:55	MP87618-S2	1070	69336	26848	3387
20:01	JB98742-1	1067	69338	26922	3404
20:07	MP87618-SD1	1102	72108	27163	3667
20:13	MA37086-CCV6	1089	71338	26612	3516
20:19	MA37086-CCB7	1116	73413	27231	3773
20:25	ZZZZZZ	1065	69551	27074	3408
20:31	ZZZZZZ	1058	69107	26919	3389
20:37	MP87617-B2	1075	69007	26878	3405
20:43	ZZZZZZ	1110	73366	27182	3775
20:49	MP87610-S1	994	66494	25912	3140
20:56	MP87610-S2	991	65780	25875	3126
21:02	JB98819-9F	992	65104	25830	3140
21:08	MP87610-SD1	1070	70184	26755	3509
21:14	MP87527-B1	1088	71542	26652	3592
21:20	MA37086-CCV7	1092	71177	26668	3521
21:26	MA37086-CCB8	1126	74027	27103	3793
21:32	MA37086-CRI2	1118	72877	27104	3749
21:38	MA37086-CRID3	1120	73895	27469	3786
21:44	MA37086-CRIA2	1124	74066	27236	3794
21:50	MA37086-CRID4	1130	73963	27365	3804
21:56	MA37086-ICSA2	1003	66081	24528	3087
22:03	MA37086-ICSAB2	1000	65248	24223	3083
22:09	ZZZZZZ	1135	75148	27089	3828
22:15	ZZZZZZ	1130	74994	27527	3814
22:21	ZZZZZZ	1116	74472	27570	3768
22:27	MA37086-CCV8	1097	72501	26209	3538
22:33	MA37086-CCB9	1126	74738	27930	3811
23:29	MP87527-MB1	1122	73713	27704	3809
23:35	MP87527-S1	964	63717	25829	2997
23:41	MP87527-S2	983	64313	25502	3014
23:47	JB98455-1	986	64498	25769	3018

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:53	MP87527-SD1	1058	69937	26516	3411
23:59	ZZZZZZ	1006	63669	25811	3030
00:06	ZZZZZZ	1056	63445	26019	3081
00:12	MA37086-CCV9	1124	72386	26610	3571
00:18	MA37086-CCB10	1145	75036	27262	3816
00:24	MP87627-MB1	1137	74704	27201	3805
00:30	MP87627-B1	1110	72913	26703	3601
00:36	MP87627-S1	910	63273	26325	3381
00:42	MP87627-S2	910	63198	26356	3377
00:48	JB98772-1	870	60256	25874	3299
00:54	MP87627-SD1	1054	70775	26850	3637
01:00	ZZZZZZ	1079	71996	26609	3491
01:06	ZZZZZZ	1048	69377	26405	3341
01:12	ZZZZZZ	1081	71524	26750	3445
01:18	ZZZZZZ	1057	69669	26324	3352
01:24	MA37086-CCV10	1138	73270	26603	3591
01:30	MA37086-CCB11	1156	75644	27424	3829
01:36	ZZZZZZ	1074	70401	26622	3430
01:43	ZZZZZZ	1098	72527	26753	3563
01:49	ZZZZZZ	1082	71416	26444	3492
01:55	ZZZZZZ	1065	69981	26208	3372
02:01	ZZZZZZ	1055	70493	26464	3388
02:07	ZZZZZZ	1058	70429	26644	3407
02:13	ZZZZZZ	1065	71008	26609	3416
02:19	ZZZZZZ	1084	72363	26648	3533
02:25	ZZZZZZ	1075	71671	26668	3455
02:31	ZZZZZZ	843	59319	25581	3207
02:37	MA37086-CCV11	1121	72975	26520	3536
02:43	MA37086-CCB12	1150	75832	27467	3799
02:49	ZZZZZZ	1139	75543	27154	3781
02:55	ZZZZZZ	1136	75854	27303	3782
03:01	ZZZZZZ	1129	75258	27034	3748
03:07	JB98699-6A	1140	76069	27171	3781

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
03:14	MP87632-B1	1124	74170	26824	3622
03:19	MP87632-MB1	1137	76961	27150	3778
03:26	MP87632-S1	1078	71591	26267	3394
03:31	MP87632-S2	1082	71836	26364	3413
03:37	JB98495-1AB	1079	72135	26662	3466
03:43	MP87632-SD1	1131	74891	27202	3710
03:50	MA37086-CCV12	1122	73615	26701	3545
03:55	MA37086-CCB13	1161	76138	27454	3835
04:02	ZZZZZZ	1066	71141	26689	3423
04:08	ZZZZZZ	1104	73223	26861	3548
04:14	ZZZZZZ	1094	73120	26855	3546
04:20	ZZZZZZ	1080	72315	26600	3497
04:26	ZZZZZZ	1060	70934	26619	3406
04:32	ZZZZZZ	1046	69542	26258	3330
04:38	ZZZZZZ	1054	71346	26565	3416
04:44	ZZZZZZ	1069	71252	26546	3457
04:50	ZZZZZZ	1108	73699	26979	3594
04:56	ZZZZZZ	1146	76480	27613	3817
05:02	MA37086-CCV13	1123	73932	26796	3559
05:08	MA37086-CCB14	1152	76908	27454	3809
05:14	MA37086-CRI3	1147	75574	27426	3768
05:20	MA37086-CRID5	1155	76535	27701	3813
05:26	MA37086-CRIA3	1154	76417	27531	3818
05:32	MA37086-ICSA3	1040	67671	24733	3137
05:39	MA37086-ICSAB3	1043	68598	25118	3164
05:45	ZZZZZZ	1175	77458	28011	3869
05:51	ZZZZZZ	1167	77216	27796	3859
05:57	ZZZZZZ	1168	77038	27899	3869
06:03	MA37086-CCV14	1132	74447	27100	3579
06:09	MA37086-CCB15	1169	77434	27834	3866
06:15	ZZZZZZ	1163	76776	27748	3857
06:21	ZZZZZZ	1104	73462	26971	3585
06:27	ZZZZZZ	682 !a	67476	26398	3197

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37086
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
06:38	ZZZZZZ	1039	73019	27564	3574
06:48	ZZZZZZ	1177	77837	28364	3901
06:58	MA37086-CCV15	1142	75181	27647	3609
07:04	MA37086-CCB16	1177	77437	28557	3878
07:10	MA37086-CRID6	1173	78170	28523	3880
07:16	MA37086-CRI4	1166	78166	28359	3841
07:22	MA37086-CRIA4	1182	78126	28419	3906
07:28	MA37086-CCV16	1144	75609	27632	3618
07:34	MA37086-CCB17	1179	78364	28424	3901
07:40	ZZZZZZ	1154	73654	24716	3555
07:46	ZZZZZZ	1081	71686	27163	3426
07:52	ZZZZZZ	1099	72346	27282	3475
07:59	ZZZZZZ	1145	75297	27841	3669

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37086 Units: ug/l

Time: / Sample ID:			13:12 ICB1		13:35 CCB1		14:34 CCB2		15:41 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7.3	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	.69	anr							
Barium	200	.26	anr							
Beryllium	1.0	.11	anr							
Bismuth	20	1.4								
Boron	100	.86	anr							
Cadmium	3.0	.22	anr							
Calcium	2000	5	anr							
Chromium	10	.47	-0.20	<10	0.20	<10	0.0	<10	0.10	<10
Cobalt	50	.33	anr							
Copper	10	.84	anr							
Iron	100	2	anr							
Lead	3.0	1.1	anr							
Lithium	20	.65								
Magnesium	2000	11	anr							
Manganese	15	.17	anr							
Molybdenum	20	.44	anr							
Nickel	10	.96	anr							
Palladium	50	1.3								
Potassium	2000	31	anr							
Selenium	10	1.4	anr							
Silicon	200	4								
Silver	10	.4	anr							
Sodium	2000	9	anr							
Sulfur	50	4.4								
Strontium	10	.13								
Thallium	2.0	1.6	anr							
Tin	10	.68								
Titanium	10	.41								
Tungsten	50	.91								
Vanadium	50	.36	anr							
Zinc	20	.54	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37086 Units: ug/l

Time:			13:12		13:35		14:34		15:41	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.32								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37086 Units: ug/l

Time: / Sample ID:			16:59 CCB4		18:05 CCB5		19:12 CCB6		20:19 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7.3	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	.69	anr							
Barium	200	.26	anr							
Beryllium	1.0	.11	anr							
Bismuth	20	1.4								
Boron	100	.86	anr							
Cadmium	3.0	.22	anr							
Calcium	2000	5	anr							
Chromium	10	.47	-0.40	<10	-0.10	<10	0.0	<10	-0.30	<10
Cobalt	50	.33	anr							
Copper	10	.84	anr							
Iron	100	2	anr							
Lead	3.0	1.1	anr							
Lithium	20	.65								
Magnesium	2000	11	anr							
Manganese	15	.17	anr							
Molybdenum	20	.44	anr							
Nickel	10	.96	anr							
Palladium	50	1.3								
Potassium	2000	31	anr							
Selenium	10	1.4	anr							
Silicon	200	4								
Silver	10	.4	anr							
Sodium	2000	9	anr							
Sulfur	50	4.4								
Strontium	10	.13								
Thallium	2.0	1.6	anr							
Tin	10	.68								
Titanium	10	.41								
Tungsten	50	.91								
Vanadium	50	.36	anr							
Zinc	20	.54	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37086 Units: ug/l

Time:			16:59		18:05		19:12		20:19	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.32								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37086 Units: ug/l

Time:			21:26		22:33		00:18		01:30	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7.3	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	.69	anr							
Barium	200	.26	anr							
Beryllium	1.0	.11	anr							
Bismuth	20	1.4								
Boron	100	.86	anr							
Cadmium	3.0	.22	anr							
Calcium	2000	5	anr							
Chromium	10	.47	0.0	<10	0.10	<10	-0.30	<10	0.30	<10
Cobalt	50	.33	anr							
Copper	10	.84	anr							
Iron	100	2	anr							
Lead	3.0	1.1	anr							
Lithium	20	.65								
Magnesium	2000	11	anr							
Manganese	15	.17	anr							
Molybdenum	20	.44	anr							
Nickel	10	.96	anr							
Palladium	50	1.3								
Potassium	2000	31	anr							
Selenium	10	1.4	anr							
Silicon	200	4								
Silver	10	.4	anr							
Sodium	2000	9	anr							
Sulfur	50	4.4								
Strontium	10	.13								
Thallium	2.0	1.6	anr							
Tin	10	.68								
Titanium	10	.41								
Tungsten	50	.91								
Vanadium	50	.36	anr							
Zinc	20	.54	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37086 Units: ug/l

Time: / Sample ID:			21:26 CCB8		22:33 CCB9		00:18 CCB10		01:30 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.32								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37086 Units: ug/l

Time:			02:43		03:55		05:08		06:09	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7.3	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	.69	anr							
Barium	200	.26	anr							
Beryllium	1.0	.11	anr							
Bismuth	20	1.4								
Boron	100	.86	anr							
Cadmium	3.0	.22	anr							
Calcium	2000	5	anr							
Chromium	10	.47	0.10	<10	0.50	<10	0.20	<10	-0.10	<10
Cobalt	50	.33	anr							
Copper	10	.84	anr							
Iron	100	2	anr							
Lead	3.0	1.1	anr							
Lithium	20	.65								
Magnesium	2000	11	anr							
Manganese	15	.17	anr							
Molybdenum	20	.44	anr							
Nickel	10	.96	anr							
Palladium	50	1.3								
Potassium	2000	31	anr							
Selenium	10	1.4	anr							
Silicon	200	4								
Silver	10	.4	anr							
Sodium	2000	9	anr							
Sulfur	50	4.4								
Strontium	10	.13								
Thallium	2.0	1.6	anr							
Tin	10	.68								
Titanium	10	.41								
Tungsten	50	.91								
Vanadium	50	.36	anr							
Zinc	20	.54	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37086 Units: ug/l

Time:			02:43		03:55		05:08		06:09	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.32								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		13:19	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron	anr		
Cadmium	anr		
Calcium	anr		
Chromium	2000	2040	102.0
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		13:19	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		12:59			14:29			15:35	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	2000	2040	102.0	2000	2020	101.0	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		12:59			14:29			15:35	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		16:53			17:59			19:06	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	2000	2030	101.5	2000	2010	100.5	2000	2010	100.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		16:53			17:59			19:06	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		20:13			21:20			22:27	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	2000	2010	100.5	2000	2030	101.5	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		20:13			21:20			22:27	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		00:12			01:24			02:37	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	2000	2050	102.5	2000	2040	102.0	2000	2030	101.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		00:12			01:24			02:37	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		03:50			05:02			06:03	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Chromium	2000	2020	101.0	2000	2020	101.0	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37086 Units: ug/l

Time:		03:50			05:02			06:03	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37086 Units: ug/l

Time:				13:40		13:52		14:41	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Chromium	10		2.0	10.4	104.0			2.1	105.0
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37086 Units: ug/l

Time:				13:40		13:52		14:41	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37086 Units: ug/l

Time:				21:32		21:38		21:44	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Chromium	10		2.0	10.5	105.0	2.3	115.0		
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37086 Units: ug/l

Time:				21:32		21:38		21:44	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37086 Units: ug/l

Time:				21:50		05:14		05:20	
Sample ID:	CRI	CRIA	CRID	CRID4		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Chromium	10		2.0	2.1	105.0	10.7	107.0	2.2	110.0
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500							
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0						
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37086 Units: ug/l

Time:				21:50		05:14		05:20	
Sample ID:	CRI	CRIA	CRID	CRID4		CRI3		CRID5	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37086 Units: ug/l

Time:				05:26	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0	anr	
Arsenic	8.0	20	3.0	anr	
Barium	200		4.0		
Beryllium	2.0		1.0		
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0		
Calcium	5000	2000	1000	anr	
Chromium	10		2.0		
Cobalt	50		3.0		
Copper	10		2.0		
Iron	100	500		anr	
Lead	3.0	20	2.5	anr	
Lithium	20				
Magnesium	5000	2000	100	anr	
Manganese	15		3.0		
Molybdenum	20				
Nickel	10		4.0		
Palladium	50				
Potassium	5000		2000		
Selenium	10	20	5.0	anr	
Silicon	200				
Silver	5.0		2.0		
Sodium	5000		1000		
Sulfur	50				
Strontium	10				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0		
Zinc	20		10		

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37086 Units: ug/l

Time:				05:26	
Sample ID:	CRI	CRIA	CRID	CRIA3	
Metal	True	True	True	Results	% Rec
Zirconium	10		5.0		

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA37086 Units: ug/l

Time:			13:58		14:04		21:56		22:03	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	542000	108.4	522000	104.4	542000	108.4	531000	106.2
Antimony		1000	-0.10		1090	109.0	0.50		1070	107.0
Arsenic		1000	2.5		1030	103.0	0.80		1010	101.0
Barium		500	0.20		544	108.8	0.50		552	110.4
Beryllium		500	0.10		540	108.0	0.0		540	108.0
Bismuth		500	1.1		519	103.8	-0.50		512	102.4
Boron			-4.4		-5.1		-4.1		-5.1	
Cadmium		1000	0.20		1070	107.0	0.0		1070	107.0
Calcium	400000	400000	404000	101.0	408000	102.0	413000	103.3	415000	103.8
Chromium		500	1.2		500	100.0	0.90		501	100.2
Cobalt		500	0.50		515	103.0	-0.50		517	103.4
Copper		500	2.2		527	105.4	2.5		528	105.6
Iron	200000	200000	193000	96.5	200000	100.0	199000	99.5	210000	105.0
Lead		1000	2.1		991	99.1	-1.3		998	99.8
Lithium		500	13.6		548	109.6	12.6		545	109.0
Magnesium	500000	500000	556000	111.2	553000	110.6	574000	114.8	571000	114.2
Manganese		500	-0.80		511	102.2	0.90		508	101.6
Molybdenum		500	-9.2		479	95.8	-8.8		478	95.6
Nickel		1000	2.5		1020	102.0	0.90		1030	103.0
Palladium		500	2.2		561	112.2	4.6		561	112.2
Potassium			-32		-62		-100		-120	
Selenium		1000	0.10		1040	104.0	-5.7		1030	103.0
Silicon			-52		-57		-51		-60	
Silver		1000	3.8		1120	112.0	3.0		1130	113.0
Sodium			5.1		12.7		16.8		24.5	
Sulfur		500	-120*		405	81.0	-110*		454	90.8
Strontium			9.2		9.3		9.2		9.6	
Thallium		1000	-3.0		942	94.2	1.9		924	92.4
Tin			-5.0		-6.9		-5.4		-6.0	
Titanium			-0.90		-1.0		-0.60		-0.90	
Tungsten		500	-2.2		511	102.2	-2.2		513	102.6
Vanadium		500	8.4		516	103.2	10.4		511	102.2
Zinc		1000	-0.20		993	99.3	-0.20		997	99.7

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA37086 Units: ug/l

Time:			13:58		14:04		21:56		22:03	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	-6.7		468	93.6	-6.8		464	92.8

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA37086 Units: ug/l

Time:			05:32		05:39	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	536000	107.2	520000	104.0
Antimony		1000	0.0		1040	104.0
Arsenic		1000	1.0		983	98.3
Barium		500	0.20		537	107.4
Beryllium		500	0.0		533	106.6
Bismuth		500	-1.2		498	99.6
Boron			-2.6		-2.7	
Cadmium		1000	-0.60		1050	105.0
Calcium	400000	400000	405000	101.3	407000	101.8
Chromium		500	1.4		504	100.8
Cobalt		500	-0.40		515	103.0
Copper		500	2.5		520	104.0
Iron	200000	200000	201000	100.5	210000	105.0
Lead		1000	-1.5		989	98.9
Lithium		500	11.0		525	105.0
Magnesium	500000	500000	580000	116.0	579000	115.8
Manganese		500	2.4		492	98.4
Molybdenum		500	-8.6		472	94.4
Nickel		1000	1.8		1030	103.0
Palladium		500	5.1		545	109.0
Potassium			-150		-130	
Selenium		1000	-4.0		996	99.6
Silicon			-47		-55	
Silver		1000	3.0		1120	112.0
Sodium			4.4		12.9	
Sulfur		500	-92		474	94.8
Strontium			9.2		9.1	
Thallium		1000	1.1		902	90.2
Tin			-8.5		-5.7	
Titanium			-0.70		-0.60	
Tungsten		500	-2.7		501	100.2
Vanadium		500	12.0		498	99.6
Zinc		1000	0.0		995	99.5

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071415M1.ICP Date Analyzed: 07/14/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA37086 Units: ug/l

Time:			05:32		05:39	
Sample ID:	ICSA	ICSAB	ICSA3		ICSAB3	
Metal	True	True	Results	% Rec	Results	% Rec
Zirconium		500	-6.4		453	90.6

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37096
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:49	MA37096-STD1	1		STDA
14:55	MA37096-STD2	1		STDB
15:01	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:14	MA37096-ICV1	1		
15:30	MA37096-ICB1	1		
15:39	MA37096-ICCV1	1		
15:52	MA37096-CCB1	1		
15:57	MA37096-CRI1	1		
16:03	MA37096-CRID1	1		
16:09	MA37096-CRIA1	1		
16:15	MA37096-ICSA1	1		
16:22	MA37096-ICSAB1	1		
16:28	ZZZZZZ	1		
16:34	ZZZZZZ	1		
16:40	ZZZZZZ	1		
16:46	MA37096-CCV1	1		
16:52	MA37096-CCB2	1		
16:58	MA37096-CRID2	1		
17:04	ZZZZZZ	1		
17:10	MP87627-S1	1		
17:16	MP87627-S2	1		
17:22	JB98772-1	1		(sample used for QC only; not part of login JB98699A)
17:28	MP87627-SD1	5		
17:34	ZZZZZZ	1		
17:40	MP87627-PS1	1		
17:47	ZZZZZZ	3		
17:53	MA37096-CCV2	1		
18:07	MA37096-CCB3	1		
18:13	ZZZZZZ	1		
18:19	ZZZZZZ	3		
18:25	MP87627-SD1	5		
---------->	Last reportable sample/prep for job JB98699A			
18:31	MP87664-B1	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37096
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:37	MP87664-MB1	5		
18:43	ZZZZZZ	5		
18:49	ZZZZZZ	5		
18:55	MP87664-S1	5		rerun with QC sample
19:01	MP87664-S2	5		rerun with QC sample
19:07	MA37096-CCV3	1		
19:14	MA37096-CCB4	1		
19:22	MA37096-CRI2	1		
19:28	MA37096-CRID3	1		
19:34	MA37096-CRIA2	1		
19:40	MA37096-CRID4	1		
19:46	MA37096-ICSA2	1		
19:52	MA37096-ICSAB2	1		
20:00	MA37096-CCV4	1		
20:08	MA37096-CCB5	1		
---------->	Last reportable CCB for job JB98699A			
20:14	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:33	ZZZZZZ	1		
20:39	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:51	ZZZZZZ	1		
20:57	ZZZZZZ	1		
21:03	ZZZZZZ	1		
21:09	ZZZZZZ	1		
21:15	MA37096-CCV5	1		
21:21	MA37096-CCB6	1		
08:21	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37096
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:49	MA37096-STD1	1246 R	88943 R	22296 R	3986 R
14:55	MA37096-STD2	1191	85723	21938	3713
15:01	ZZZZZZ	1234	87718	22191	3856
15:07	ZZZZZZ	1259	90231	22391	4038
15:14	MA37096-ICV1	1236	88073	22250	3869
15:30	MA37096-ICB1	1268	90937	22770	4041
15:39	MA37096-ICCV1	1234	88368	22755	3849
15:52	MA37096-CCB1	1265	91137	23028	4042
15:57	MA37096-CRI1	1246	90428	23193	3962
16:03	MA37096-CRID1	No results reported for the elements associated with this internal standard.			
16:09	MA37096-CRIA1	1258	91130	23196	4010
16:15	MA37096-ICSA1	1142	81215	22007	3469
16:22	MA37096-ICSAB1	1152	81637	20606	3510
16:28	ZZZZZZ	1273	91257	23027	4112
16:34	ZZZZZZ	1259	91949	23212	4095
16:40	ZZZZZZ	1284	92443	23407	4104
16:46	MA37096-CCV1	1258	89663	23235	3912
16:52	MA37096-CCB2	1284	90470	23329	4096
16:58	MA37096-CRID2	1278	91637	23238	4073
17:04	ZZZZZZ	1278	92438	23484	4097
17:10	MP87627-S1	1125	84666	23955	3906
17:16	MP87627-S2	1129	84884	23944	3903
17:22	JB98772-1	1083	81649	23978	3836
17:28	MP87627-SD1	1228	89327	23761	4025
17:34	ZZZZZZ	1070	81398	24108	3811
17:40	MP87627-PS1	1073	81893	23878	3748
17:47	ZZZZZZ	1277	91162	23785	4021
17:53	MA37096-CCV2	1267	90750	23603	3947
18:07	MA37096-CCB3	1317	93924	23785	4190
18:13	ZZZZZZ	1305	94279	23640	4172
18:19	ZZZZZZ	1280	92079	23542	4008
18:25	MP87627-SD1	1255	91558	23818	4094
18:31	MP87664-B1	1289	91085	23511	3909

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: AP Run ID: MA37096
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:37	MP87664-MB1	1277	90297	23629	3894
18:43	ZZZZZZ	1282	87530	23725	3903
18:49	ZZZZZZ	1268	89905	23871	3853
18:55	MP87664-S1	No results reported for the elements associated with this internal standard.			
19:01	MP87664-S2	No results reported for the elements associated with this internal standard.			
19:07	MA37096-CCV3	1297	91946	23575	4004
19:14	MA37096-CCB4	1320	94017	23823	4195
19:22	MA37096-CRI2	1293	93574	23795	4099
19:28	MA37096-CRID3	1327	94677	23921	4203
19:34	MA37096-CRIA2	1314	94378	23804	4166
19:40	MA37096-CRID4	1311	94074	24056	4153
19:46	MA37096-ICSA2	1210	84874	22831	3618
19:52	MA37096-ICSAB2	1210	85363	22779	3627
20:00	MA37096-CCV4	1317	93030	24004	4047
20:08	MA37096-CCB5	1341	95282	23970	4248
20:14	ZZZZZZ	1328	90340	23412	3984
20:20	ZZZZZZ	1337	95028	23950	4234
20:27	ZZZZZZ	1344	95486	23939	4254
20:33	ZZZZZZ	1349	95657	24042	4268
20:39	ZZZZZZ	1325	95729	24323	4196
20:45	ZZZZZZ	1349	95159	24132	4275
20:51	ZZZZZZ	1249	89563	23538	3834
20:57	ZZZZZZ	1267	90201	23705	3874
21:03	ZZZZZZ	1352	95500	24501	4271
21:09	ZZZZZZ	1324	93461	24363	4096
21:15	MA37096-CCV5	1323	93147	24069	4052
21:21	MA37096-CCB6	1329	95789	24226	4210
08:21	ZZZZZZ	1037	89725	34616 !	4471

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37096 Units: ug/l

Time: / Sample ID:			15:30 ICB1		15:52 CCB1		16:52 CCB2		18:07 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	7.3	anr							
Antimony	6.0	1.3	anr							
Arsenic	3.0	.69	anr							
Barium	200	.26	anr							
Beryllium	1.0	.11	anr							
Bismuth	20	1.4								
Boron	100	.86								
Cadmium	3.0	.22	anr							
Calcium	5000	5	anr							
Chromium	10	.47	0.10	<10	-0.10	<10	-0.10	<10	0.20	<10
Cobalt	50	.33	anr							
Copper	10	.84	anr							
Iron	100	2	anr							
Lead	3.0	1.1	anr							
Lithium	20	.65								
Magnesium	5000	11	anr							
Manganese	15	.17	anr							
Molybdenum	20	.44								
Nickel	10	.96	anr							
Palladium	50	1.3								
Potassium	10000	31	anr							
Selenium	10	1.4	anr							
Silicon	200	4								
Silver	10	.4	anr							
Sodium	10000	9	anr							
Sulfur	50	4.4								
Strontium	10	.13								
Thallium	2.0	1.6	anr							
Tin	10	.68								
Titanium	10	.41								
Tungsten	50	.91								
Vanadium	50	.36	anr							
Zinc	20	.54	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37096 Units: ug/l

Time: / Sample ID:			15:30 ICB1		15:52 CCB1		16:52 CCB2		18:07 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.32								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37096 Units: ug/l

Time:			19:14		20:08	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	7.3	anr			
Antimony	6.0	1.3	anr			
Arsenic	3.0	.69	anr			
Barium	200	.26	anr			
Beryllium	1.0	.11	anr			
Bismuth	20	1.4				
Boron	100	.86				
Cadmium	3.0	.22	anr			
Calcium	5000	5	anr			
Chromium	10	.47	-0.20	<10	0.10	<10
Cobalt	50	.33	anr			
Copper	10	.84	anr			
Iron	100	2	anr			
Lead	3.0	1.1	anr			
Lithium	20	.65				
Magnesium	5000	11	anr			
Manganese	15	.17	anr			
Molybdenum	20	.44				
Nickel	10	.96	anr			
Palladium	50	1.3				
Potassium	10000	31	anr			
Selenium	10	1.4	anr			
Silicon	200	4				
Silver	10	.4	anr			
Sodium	10000	9	anr			
Sulfur	50	4.4				
Strontium	10	.13				
Thallium	2.0	1.6	anr			
Tin	10	.68				
Titanium	10	.41				
Tungsten	50	.91				
Vanadium	50	.36	anr			
Zinc	20	.54	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37096 Units: ug/l

Time:			19:14		20:08	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Zirconium	10	.32				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37096 Units: ug/l

Time:		15:39	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron			
Cadmium	anr		
Calcium	anr		
Chromium	2000	1990	99.5
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Palladium			
Potassium	anr		
Selenium	anr		
Silicon			
Silver	anr		
Sodium	anr		
Sulfur			
Strontium			
Thallium	anr		
Tin			
Titanium			
Tungsten			
Vanadium	anr		
Zinc	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37096 Units: ug/l

Time:		15:39	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec

Zirconium

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37096 Units: ug/l

Time:		15:14			16:46			17:53	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	2000	100.0	2000	1960	98.0	2000	1940	97.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37096 Units: ug/l

Time:		15:14			16:46			17:53	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37096 Units: ug/l

Time:		19:07			20:00	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	2000	1910	95.5	2000	1900	95.0
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37096 Units: ug/l

Time:		19:07			20:00	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37096 Units: ug/l

Time:				15:57		16:09		16:58	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Chromium	10		2.0	10.3	103.0			1.8	90.0
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37096 Units: ug/l

Time:				15:57		16:09		16:58	
Sample ID:	CRI	CRIA	CRID	CRI1		CRIA1		CRID2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37096 Units: ug/l

Time:				19:22		19:28		19:34	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Chromium	10		2.0	10.4	104.0	1.4	70.0		
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37096 Units: ug/l

Time:				19:22		19:28		19:34	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID3		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10		5.0						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37096 Units: ug/l

Time:				19:40	
Sample ID:	CRI	CRIA	CRID	CRID4	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0		
Arsenic	8.0	20	3.0	anr	
Barium	200		4.0	anr	
Beryllium	2.0		1.0	anr	
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	anr	
Calcium	5000	2000	1000	anr	
Chromium	10		2.0	1.7	85.0
Cobalt	50		3.0	anr	
Copper	10		2.0		
Iron	100	500			
Lead	3.0	20	2.5	anr	
Lithium	20				
Magnesium	5000	2000	100	anr	
Manganese	15		3.0	anr	
Molybdenum	20				
Nickel	10		4.0	anr	
Palladium	50				
Potassium	5000		2000	anr	
Selenium	10	20	5.0	anr	
Silicon	200				
Silver	5.0		2.0	anr	
Sodium	5000		1000	anr	
Sulfur	50				
Strontium	10				
Thallium	10		2.0	anr	
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	anr	
Zinc	20		10	anr	

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37096 Units: ug/l

Time:				19:40	
Sample ID:	CRI	CRIA	CRID	CRID4	
Metal	True	True	True	Results	% Rec
Zirconium	10		5.0		

(*) Outside of QC limits
(anr) Analyte not requested

6.2.5

6

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA37096 Units: ug/l

Time:			16:15		16:22		19:46		19:52	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	518000	103.6	534000	106.8	482000	96.4	473000	94.6
Antimony		1000	-0.10		1070	107.0	-0.80		1000	100.0
Arsenic		1000	-1.7		1010	101.0	-2.4		959	95.9
Barium		500	0.0		548	109.6	0.0		486	97.2
Beryllium		500	0.0		555	111.0	-0.10		487	97.4
Bismuth		500	4.7		504	100.8	5.1		474	94.8
Boron			-1.7		-0.20		2.3		0.70	
Cadmium		1000	2.1		1050	105.0	2.4		995	99.5
Calcium	400000	400000	385000	96.3	413000	103.3	369000	92.3	374000	93.5
Chromium		500	0.50		516	103.2	0.70		494	98.8
Cobalt		500	0.0		510	102.0	0.30		497	99.4
Copper		500	-2.9		522	104.4	-3.8		486	97.2
Iron	200000	200000	185000	92.5	211000	105.5	176000	88.0	186000	93.0
Lead		1000	-1.4		1010	101.0	-2.4		969	96.9
Lithium		500	-0.10		568	113.6	-0.50		496	99.2
Magnesium	500000	500000	512000	102.4	553000	110.6	489000	97.8	490000	98.0
Manganese		500	5.2		520	104.0	5.1		496	99.2
Molybdenum		500	-10		477	95.4	-9.3		455	91.0
Nickel		1000	-4.3		1000	100.0	0.20		978	97.8
Palladium		500	-0.30		551	110.2	-0.80		521	104.2
Potassium			141		146		118		174	
Selenium		1000	-7.8		1040	104.0	-8.3		979	97.9
Silicon			-38		-48		-40		-45	
Silver		1000	6.8		1110	111.0	6.7		1030	103.0
Sodium			7.3		3.9		17.7		20.4	
Sulfur		500	-110*		419	83.8	-100*		414	82.8
Strontium			8.9		9.7		8.3		8.3	
Thallium		1000	2.3		963	96.3	1.4		948	94.8
Tin			-5.1		-5.1		-6.7		-4.4	
Titanium			-0.40		-0.20		-0.40		0.20	
Tungsten		500	-3.2		517	103.4	-4.6		490	98.0
Vanadium		500	-4.4		508	101.6	-4.4		487	97.4
Zinc		1000	3.1		996	99.6	2.9		961	96.1

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SA071515M1.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA37096 Units: ug/l

Time:			16:15		16:22		19:46		19:52	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	-7.6		473	94.6	-7.0		449	89.8

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:07	MA37100-STD1	1		STDA
15:11	MA37100-STD2	1		STDB
15:13	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:20	MA37100-ICV1	1		
15:22	MA37100-ICB1	1		
15:26	MA37100-CCV1	1		
15:28	MA37100-CCB1	1		
15:32	MA37100-CRI1	1		
15:35	MA37100-CRID1	1		
15:38	MA37100-CRIA1	1		
15:41	MA37100-ICSA1	1		
15:44	MA37100-ICSAB1	1		
15:48	ZZZZZZ	1		
15:51	ZZZZZZ	1		
15:54	MA37100-CCV2	1		
15:57	MA37100-CCB2	1		
16:00	ZZZZZZ	1		
16:03	MP87652-S1	3		
16:06	MP87652-S2	3		
16:09	JB98503-7	3		(sample used for QC only; not part of login JB98699A)
16:12	MP87652-SD1	15		
16:15	ZZZZZZ	1		
16:18	MP87653-S1	2		
16:21	MP87653-S2	2		
16:24	JB98525-10	2		(sample used for QC only; not part of login JB98699A)
16:27	MA37100-CCV3	1		
16:29	MA37100-CCB3	1		
16:35	MP87678-MB1	1		
16:38	MP87678-B1	1		
16:40	MP87678-S1	1		%sol
16:43	MP87678-S2	1		%sol
16:46	JB98204-2	1		(sample used for QC only; not part of login JB98699A)

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:49	MP87678-SD1	5		%sol
16:52	ZZZZZZ	1		
16:55	MA37100-CCV4	1		
16:57	MA37100-CCB4	1		
17:00	MP87652-SD1	10		This is mp87653
17:03	ZZZZZZ	2		
17:06	ZZZZZZ	3		
17:09	ZZZZZZ	3		
17:12	ZZZZZZ	2		
17:15	ZZZZZZ	2		
17:18	ZZZZZZ	2		
17:21	ZZZZZZ	3		
17:24	ZZZZZZ	2		
17:27	MA37100-CCV5	1		
17:30	MA37100-CCB5	1		
17:33	MP87667-MB1	1		
17:36	MP87667-B1	1		
17:38	MP87667-S1	1		
17:41	MP87667-S2	1		
17:44	JB98699-2A	1		
17:47	MP87667-SD1	5		
17:49	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:55	ZZZZZZ	1		
17:58	MA37100-CCV6	1		
18:01	MA37100-CCB6	1		
18:04	MP87656-B1	1		
18:06	MP87656-MB1	1		
18:09	ZZZZZZ	1		
18:12	ZZZZZZ	1		
18:15	ZZZZZZ	1		
18:18	ZZZZZZ	1		
18:21	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:24	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:30	MA37100-CCV7	1		
18:32	MA37100-CCB7	1		
18:35	ZZZZZZ	1		
18:38	ZZZZZZ	1		
18:41	ZZZZZZ	1		
18:44	ZZZZZZ	1		
18:47	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:53	JB98699-1A	1		
18:56	JB98699-3A	1		
18:58	JB98699-4A	1		
19:01	JB98699-5A	1		
---------->	Last reportable sample/prep for job JB98699A			
19:04	MA37100-CCV8	1		
19:07	MA37100-CCB8	1		
19:10	MP87656-S1	1		%sol
19:12	MP87656-S2	1		%sol
19:15	JB98749-4	1		(sample used for QC only; not part of login JB98699A)
19:18	MP87656-SD1	5		%sol
19:21	ZZZZZZ	1		
19:24	ZZZZZZ	1		
19:27	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:36	MA37100-CCV9	1		
19:38	MA37100-CCB9	1		
19:41	MA37100-CRI2	1		
19:44	MA37100-CRID2	1		
19:47	MA37100-CRIA2	1		
19:50	MA37100-ICSA2	1		
19:53	MA37100-ICSAB2	1		
19:56	MA37100-CCV10	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	19:59	MA37100-CCB10	1		
---------->	Last reportable CCB for job JB98699A				
	20:02	ZZZZZZ	1		
	20:05	ZZZZZZ	1		
	20:08	ZZZZZZ	1		
	20:11	ZZZZZZ	1		
	20:13	ZZZZZZ	1		
	20:16	ZZZZZZ	1		
	20:19	ZZZZZZ	1		
	20:22	ZZZZZZ	1		
	20:25	ZZZZZZ	1		
	20:28	MA37100-CCV11	1		
	20:31	MA37100-CCB11	1		
	20:34	MP87651-MB1	1		
	20:37	MP87651-B1	1		
	20:39	MP87651-S1	1		
	20:42	MP87651-S2	1		
	20:45	JB98709-1	1		(sample used for QC only; not part of login JB98699A)
	20:48	MP87651-SD1	5		
	20:51	ZZZZZZ	1		
	20:54	ZZZZZZ	1		
	20:57	ZZZZZZ	1		
	21:00	MA37100-CCV12	1		
	21:03	MA37100-CCB12	1		
	21:06	ZZZZZZ	1		
	21:09	ZZZZZZ	1		
	21:12	ZZZZZZ	1		
	21:15	ZZZZZZ	1		
	21:18	ZZZZZZ	1		
	21:21	ZZZZZZ	1		
	21:24	ZZZZZZ	1		
	21:27	ZZZZZZ	1		
	21:30	ZZZZZZ	1		
	21:33	MA37100-CCV13	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:35	MA37100-CCB13	1		
21:38	ZZZZZZ	1		
21:41	ZZZZZZ	1		
21:44	ZZZZZZ	1		
21:47	ZZZZZZ	1		
21:50	ZZZZZZ	5		
21:53	ZZZZZZ	5		
21:56	MP87664-S1	5		
21:59	MP87664-S2	5		
22:02	MA37100-CCV14	1		
22:05	MA37100-CCB14	1		
22:08	JB98946-1	5		(sample used for QC only; not part of login JB98699A)
22:11	MP87664-SD1	25		
22:14	ZZZZZZ	5		
22:17	ZZZZZZ	5		
22:20	ZZZZZZ	5		
22:23	ZZZZZZ	5		
22:26	ZZZZZZ	5		
22:29	MA37100-CCV15	1		
22:32	MA37100-CCB15	1		
22:35	MA37100-CRI3	1		
22:38	MA37100-CRID3	1		
22:41	MA37100-CRIA3	1		
22:44	MA37100-CCV16	1		
22:46	MA37100-CCB16	1		
22:49	ZZZZZZ	1		
22:52	ZZZZZZ	1		
22:55	ZZZZZZ	1		
22:58	ZZZZZZ	1		
23:01	ZZZZZZ	1		
23:04	ZZZZZZ	1		
23:07	ZZZZZZ	1		
23:10	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:13	ZZZZZZ	1		
23:16	ZZZZZZ	1		
23:19	ZZZZZZ	1		
23:22	MA37100-CCV17	1		
23:25	MA37100-CCB17	1		
23:28	ZZZZZZ	1		
23:47	ZZZZZZ	1		
23:50	ZZZZZZ	1		
23:53	ZZZZZZ	100		
23:57	ZZZZZZ	100		
00:00	ZZZZZZ	100		
00:03	ZZZZZZ	500		
00:06	ZZZZZZ	100		
00:09	ZZZZZZ	1		
00:12	MA37100-CCV18	1		
00:14	MA37100-CCB18	1		
00:17	MA37100-CRI4	1		
00:20	MA37100-CRID4	1		
00:23	MA37100-CRIA4	1		
00:26	MA37100-CCV19	1		
00:29	MA37100-CCB19	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:07	MA37100-STD1	2962 R	97459 R	22729 R	7133 R
15:11	MA37100-STD2	2719	90532	22662	5989
15:13	ZZZZZZ	2835	93374	22655	6321
15:16	ZZZZZZ	2954	99367	23035	7133
15:20	MA37100-ICV1	2785	93171	22737	6246
15:22	MA37100-ICB1	2947	98713	23061	7115
15:26	MA37100-CCV1	2821	93797	22925	6316
15:28	MA37100-CCB1	2971	99419	23204	7139
15:32	MA37100-CRI1	2917	97748	23180	6944
15:35	MA37100-CRID1	2906	98737	22949	7008
15:38	MA37100-CRIA1	2833	95382	22259	6822
15:41	MA37100-ICSA1	2452	80018	21070	5214
15:44	MA37100-ICSAB1	2482	81302	21328	5250
15:48	ZZZZZZ	2802	94265	22442	6735
15:51	ZZZZZZ	2781	95145	22218	6791
15:54	MA37100-CCV2	2669	88903	21789	5995
15:57	MA37100-CCB2	2825	94910	21914	6815
16:00	ZZZZZZ	2845	95976	23132	6932
16:03	MP87652-S1	2713	90258	22306	6197
16:06	MP87652-S2	2834	93894	23148	6440
16:09	JB98503-7	2885	95638	23529	6619
16:12	MP87652-SD1	2917	98090	23200	6886
16:15	ZZZZZZ	2936	99645	23770	7176
16:18	MP87653-S1	2713	91563	22877	5932
16:21	MP87653-S2	2735	91239	22914	5969
16:24	JB98525-10	2756	92607	22825	6090
16:27	MA37100-CCV3	2798	92952	22824	6254
16:29	MA37100-CCB3	2938	98874	23120	7085
16:35	MP87678-MB1	2921	99959	23839	7152
16:38	MP87678-B1	2824	95363	23304	6499
16:40	MP87678-S1	2811	93727	23115	6266
16:43	MP87678-S2	2827	94417	23074	6311
16:46	JB98204-2	2901	97092	23242	6743

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:49	MP87678-SD1	2934	98983	22935	6984
16:52	ZZZZZZ	2687	90928	23273	5717
16:55	MA37100-CCV4	2783	92799	22538	6259
16:57	MA37100-CCB4	2951	99222	22931	7082
17:00	MP87652-SD1	2888	96736	22824	6729
17:03	ZZZZZZ	2788	92956	23029	6123
17:06	ZZZZZZ	2777	93256	22484	6159
17:09	ZZZZZZ	2753	92367	22573	6104
17:12	ZZZZZZ	2627	90961	22889	5751
17:15	ZZZZZZ	2611	87418	21498	5724
17:18	ZZZZZZ	2651	88673	21908	5811
17:21	ZZZZZZ	2637	88693	21542	5864
17:24	ZZZZZZ	2603	87295	21381	5730
17:27	MA37100-CCV5	2684	88659	21337	5990
17:30	MA37100-CCB5	2837	94146	21517	6778
17:33	MP87667-MB1	2799	94337	21950	6761
17:36	MP87667-B1	2694	89496	21462	6132
17:38	MP87667-S1	3074	103180	24947	6061
17:41	MP87667-S2	3191	105650	24951	6272
17:44	JB98699-2A	3361	113020	26356	6751
17:47	MP87667-SD1	3072	103230	23647	7063
17:49	ZZZZZZ	2940	98518	23387	6556
17:52	ZZZZZZ	2900	96538	23561	6530
17:55	ZZZZZZ	2810	94510	23140	6272
17:58	MA37100-CCV6	2809	93284	22301	6283
18:01	MA37100-CCB6	2946	98671	22499	7090
18:04	MP87656-B1	2799	93896	22285	6392
18:06	MP87656-MB1	2901	98141	22537	7012
18:09	ZZZZZZ	2986	97867	23438	6506
18:12	ZZZZZZ	2837	93722	23164	6042
18:15	ZZZZZZ	2855	93627	22857	6380
18:18	ZZZZZZ	2902	96760	22913	6763
18:21	ZZZZZZ	2962	98093	22893	6854

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:24	ZZZZZZ	2953	98397	22997	6869
18:27	ZZZZZZ	2828	94339	23426	6257
18:30	MA37100-CCV7	2817	93745	22298	6302
18:32	MA37100-CCB7	2987	99519	22616	7118
18:35	ZZZZZZ	2890	95844	23277	6466
18:38	ZZZZZZ	2918	96042	23154	6615
18:41	ZZZZZZ	2962	97590	22945	6764
18:44	ZZZZZZ	2967	99086	22980	6878
18:47	ZZZZZZ	3018	99070	23225	6911
18:50	ZZZZZZ	2920	98101	23296	6833
18:53	JB98699-1A	2983	101200	23453	6918
18:56	JB98699-3A	3023	100500	23492	6661
18:58	JB98699-4A	2970	100840	23559	6706
19:01	JB98699-5A	3392	114360	26908	6705
19:04	MA37100-CCV8	2801	93057	22111	6256
19:07	MA37100-CCB8	2939	98604	22253	7074
19:10	MP87656-S1	2842	93112	22633	6241
19:12	MP87656-S2	2857	93506	22508	6270
19:15	JB98749-4	2849	93659	22907	6406
19:18	MP87656-SD1	2928	95946	22256	6688
19:21	ZZZZZZ	2937	97621	22819	6666
19:24	ZZZZZZ	2930	97392	22769	6675
19:27	ZZZZZZ	2952	97706	22608	6698
19:30	ZZZZZZ	2966	97673	22732	6634
19:33	ZZZZZZ	2885	94920	22117	6641
19:36	MA37100-CCV9	2773	91135	21317	6172
19:38	MA37100-CCB9	2949	97746	21763	6996
19:41	MA37100-CRI2	2862	95598	21491	6792
19:44	MA37100-CRID2	2846	95835	21481	6723
19:47	MA37100-CRIA2	2930	95833	20947	6902
19:50	MA37100-ICSA2	2499	81220	20286	5266
19:53	MA37100-ICSAB2	2538	84376	20724	5385
19:56	MA37100-CCV10	2809	92047	21406	6261

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:59	MA37100-CCB10	2926	97869	21775	7032
20:02	ZZZZZZ	2912	95586	22363	6458
20:05	ZZZZZZ	2893	95065	22129	6583
20:08	ZZZZZZ	2894	97305	21839	6878
20:11	ZZZZZZ	2880	95235	22155	6440
20:13	ZZZZZZ	2920	97182	22001	6811
20:16	ZZZZZZ	2989	97919	22219	6778
20:19	ZZZZZZ	2959	97423	22226	6702
20:22	ZZZZZZ	2951	97736	22091	6906
20:25	ZZZZZZ	2870	95613	22157	6465
20:28	MA37100-CCV11	2800	92232	21366	6263
20:31	MA37100-CCB11	2936	98925	21690	7078
20:34	MP87651-MB1	2954	98812	22018	7090
20:37	MP87651-B1	2874	94047	21880	6468
20:39	MP87651-S1	2539	86616	21293	5533
20:42	MP87651-S2	2551	84114	20555	5562
20:45	JB98709-1	2578	84964	20780	5685
20:48	MP87651-SD1	2818	91328	21048	6380
20:51	ZZZZZZ	2956	98501	21863	7061
20:54	ZZZZZZ	2591	86824	20963	5814
20:57	ZZZZZZ	2571	86023	21062	5766
21:00	MA37100-CCV12	2797	92312	21328	6251
21:03	MA37100-CCB12	2965	97911	21734	7040
21:06	ZZZZZZ	2664	87976	21582	5874
21:09	ZZZZZZ	2802	93098	21566	6426
21:12	ZZZZZZ	2576	84239	20965	5600
21:15	ZZZZZZ	2099	66295 !a	18270	4347 !a
21:18	ZZZZZZ	2061 !a	66038 !a	18897	4246 !a
21:21	ZZZZZZ	2422	79720	20629	5154
21:24	ZZZZZZ	2418	79538	20433	5170
21:27	ZZZZZZ	2669	89023	21085	6080
21:30	ZZZZZZ	2688	89335	21182	6113
21:33	MA37100-CCV13	2783	91626	20998	6212

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:35	MA37100-CCB13	2919	97621	21175	7029
21:38	ZZZZZZ	2756	90307	21176	6199
21:41	ZZZZZZ	2878	96837	21426	6971
21:44	ZZZZZZ	2691	89298	20831	6171
21:47	ZZZZZZ	2498	83047	20439	5505
21:50	ZZZZZZ	2710	88379	20984	5977
21:53	ZZZZZZ	2687	87402	20760	5962
21:56	MP87664-S1	2728	87737	21187	5895
21:59	MP87664-S2	2734	87885	20955	5906
22:02	MA37100-CCV14	2788	91815	21023	6244
22:05	MA37100-CCB14	2909	98195	21425	7016
22:08	JB98946-1	2687	87617	20901	5902
22:11	MP87664-SD1	2869	94796	21342	6590
22:14	ZZZZZZ	2746	89029	21021	6125
22:17	ZZZZZZ	2704	88244	20877	5976
22:20	ZZZZZZ	2730	88965	21204	6017
22:23	ZZZZZZ	2741	89215	21312	6005
22:26	ZZZZZZ	2775	90764	21322	6168
22:29	MA37100-CCV15	2798	92531	21021	6269
22:32	MA37100-CCB15	2923	98367	21377	7068
22:35	MA37100-CRI3	2904	96514	21297	6907
22:38	MA37100-CRID3	3005	100030	21724	7205
22:41	MA37100-CRIA3	2968	98866	22092	7156
22:44	MA37100-CCV16	2862	95649	21698	6409
22:46	MA37100-CCB16	2927	98326	21410	7063
22:49	ZZZZZZ	2968	99446	21857	7121
22:52	ZZZZZZ	2901	97142	21293	6937
22:55	ZZZZZZ	2932	96988	21123	7007
22:58	ZZZZZZ	2889	96209	21183	6933
23:01	ZZZZZZ	2917	98496	21421	6988
23:04	ZZZZZZ	2887	96953	21102	6967
23:07	ZZZZZZ	2929	98181	21120	7061
23:10	ZZZZZZ	2921	97486	20991	7013

INTERNAL STANDARD SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
Analyst: BS Run ID: MA37100
Parameters: Cr

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:13	ZZZZZZ	2972	91003	21929	6254
23:16	ZZZZZZ	2654	88250	20521	5985
23:19	ZZZZZZ	2663	87727	20511	5986
23:22	MA37100-CCV17	2794	91917	20961	6270
23:25	MA37100-CCB17	2943	97325	21379	7080
23:28	ZZZZZZ	5949 !	999999 !	999999 !	13703 !
23:47	ZZZZZZ	2815	93030	21222	6409
23:50	ZZZZZZ	2784	92940	20323	6788
23:53	ZZZZZZ	2448	77316	19204	5254
23:57	ZZZZZZ	2553	80914	19871	5491
00:00	ZZZZZZ	2719	86682	20276	5921
00:03	ZZZZZZ	2849	94545	21461	6548
00:06	ZZZZZZ	2665	88913	21223	5825
00:09	ZZZZZZ	2958	96883	20940	7008
00:12	MA37100-CCV18	2774	91440	20593	6230
00:14	MA37100-CCB18	2923	97437	20936	7034
00:17	MA37100-CRI4	2919	95860	20827	6847
00:20	MA37100-CRID4	2977	97750	21284	7141
00:23	MA37100-CRIA4	2933	98275	21222	7078
00:26	MA37100-CCV19	2780	91963	20758	6237
00:29	MA37100-CCB19	2822	94772	20536	6823

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37100 Units: ug/l

Time: / Sample ID:			15:22 ICB1		15:28 CCB1		15:57 CCB2		16:29 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	10	anr							
Antimony	6.0	2.4	anr							
Arsenic	3.0	2.5	anr							
Barium	200	.2	anr							
Beryllium	1.0	.1	anr							
Bismuth	20	2.7								
Boron	100	2								
Cadmium	3.0	.4	anr							
Calcium	5000	4.5	anr							
Chromium	10	.9	0.20	<10	0.20	<10	0.30	<10	0.20	<10
Cobalt	50	.4	anr							
Copper	10	1.1	anr							
Iron	100	1.7	anr							
Lead	3.0	1.7	anr							
Lithium	20	1.5								
Magnesium	5000	21	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6	anr							
Nickel	10	.5	anr							
Palladium	50	2								
Potassium	10000	29	anr							
Selenium	10	2.6	anr							
Silicon	200	1.9								
Silver	10	.8	anr							
Sodium	10000	9.4	anr							
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.9	anr							
Tin	10	1.3								
Titanium	10	1.1								
Tungsten	50	1.9								
Vanadium	50	.7	anr							
Zinc	20	.3	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37100 Units: ug/l

Time:			15:22		15:28		15:57		16:29	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37100 Units: ug/l

Time: / Sample ID:			16:57 CCB4		17:30 CCB5		18:01 CCB6		18:32 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	10	anr							
Antimony	6.0	2.4	anr							
Arsenic	3.0	2.5	anr							
Barium	200	.2	anr							
Beryllium	1.0	.1	anr							
Bismuth	20	2.7								
Boron	100	2								
Cadmium	3.0	.4	anr							
Calcium	5000	4.5	anr							
Chromium	10	.9	0.10	<10	-0.30	<10	-0.10	<10	-0.30	<10
Cobalt	50	.4	anr							
Copper	10	1.1	anr							
Iron	100	1.7	anr							
Lead	3.0	1.7	anr							
Lithium	20	1.5								
Magnesium	5000	21	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6	anr							
Nickel	10	.5	anr							
Palladium	50	2								
Potassium	10000	29	anr							
Selenium	10	2.6	anr							
Silicon	200	1.9								
Silver	10	.8	anr							
Sodium	10000	9.4	anr							
Sulfur	50	4.1								
Strontium	10	.1								
Thallium	2.0	1.9	anr							
Tin	10	1.3								
Titanium	10	1.1								
Tungsten	50	1.9								
Vanadium	50	.7	anr							
Zinc	20	.3	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37100 Units: ug/l

Time: / Sample ID:			16:57 CCB4		17:30 CCB5		18:01 CCB6		18:32 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37100 Units: ug/l

Time: / Sample ID:			19:07 CCB8		19:38 CCB9		19:59 CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	200	10	anr					
Antimony	6.0	2.4	anr					
Arsenic	3.0	2.5	anr					
Barium	200	.2	anr					
Beryllium	1.0	.1	anr					
Bismuth	20	2.7						
Boron	100	2						
Cadmium	3.0	.4	anr					
Calcium	5000	4.5	anr					
Chromium	10	.9	0.0	<10	-0.10	<10	0.50	<10
Cobalt	50	.4	anr					
Copper	10	1.1	anr					
Iron	100	1.7	anr					
Lead	3.0	1.7	anr					
Lithium	20	1.5						
Magnesium	5000	21	anr					
Manganese	15	.1	anr					
Molybdenum	20	.6	anr					
Nickel	10	.5	anr					
Palladium	50	2						
Potassium	10000	29	anr					
Selenium	10	2.6	anr					
Silicon	200	1.9						
Silver	10	.8	anr					
Sodium	10000	9.4	anr					
Sulfur	50	4.1						
Strontium	10	.1						
Thallium	2.0	1.9	anr					
Tin	10	1.3						
Titanium	10	1.1						
Tungsten	50	1.9						
Vanadium	50	.7	anr					
Zinc	20	.3	anr					

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: result < RL Run ID: MA37100 Units: ug/l

Time:			19:07		19:38		19:59	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Zirconium	10	.3						

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37100 Units: ug/l

Time:		15:20			15:26			15:54	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	2050	102.5	2000	2010	100.5	2000	2150	107.5
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37100 Units: ug/l

Time:		15:20			15:26			15:54	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37100 Units: ug/l

Time:		16:27			16:55			17:27	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	2000	100.0	2000	2000	100.0	2000	2140	107.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37100 Units: ug/l

Time:		16:27			16:55			17:27	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37100 Units: ug/l

Time:		17:58			18:30			19:04	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron									
Cadmium	anr								
Calcium	anr								
Chromium	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	anr								
Palladium									
Potassium	anr								
Selenium	anr								
Silicon									
Silver	anr								
Sodium	anr								
Sulfur									
Strontium									
Thallium	anr								
Tin									
Titanium									
Tungsten									
Vanadium	anr								
Zinc	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37100 Units: ug/l

Time:		17:58			18:30			19:04	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37100 Units: ug/l

Time:		19:36			19:56	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	2000	2100	105.0	2000	2090	104.5
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum	anr					
Nickel	anr					
Palladium						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Sulfur						
Strontium						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 95 to 105 % Recovery Run ID: MA37100 Units: ug/l

Time:		19:36			19:56	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37100 Units: ug/l

Time:				15:32		15:35		15:38	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Chromium	10		2.0	11.3	113.0	1.7	85.0		
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37100 Units: ug/l

Time:				15:32		15:35		15:38	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRIA1	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37100 Units: ug/l

Time:				19:41		19:44		19:47	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10						
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Chromium	10		2.0	11.1	111.0	2.1	105.0		
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	20								
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20			anr					
Nickel	10		4.0	anr					
Palladium	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200								
Silver	5.0		2.0	anr					
Sodium	5000		1000	anr					
Sulfur	50								
Strontium	10								
Thallium	10		2.0	anr					
Tin	10								
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					
Zinc	20		10	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 70 to 130 % Recovery Run ID: MA37100 Units: ug/l

Time:				19:41		19:44		19:47	
Sample ID:	CRI	CRIA	CRID	CRI2		CRID2		CRIA2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA37100 Units: ug/l

Time:			15:41		15:44		19:50		19:53	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	538000	107.6	510000	102.0	545000	109.0	508000	101.6
Antimony		1000	-3.4		1080	108.0	-1.5		1060	106.0
Arsenic		1000	-2.9		1060	106.0	-0.60		1040	104.0
Barium		500	-0.70		536	107.2	-0.80		531	106.2
Beryllium		500	-0.10		531	106.2	-0.10		518	103.6
Bismuth		500	10.2		520	104.0	9.1		506	101.2
Boron			-3.3		0.20		-7.0		1.0	
Cadmium		1000	1.7		1070	107.0	1.8		1060	106.0
Calcium	400000	400000	397000	99.3	395000	98.8	393000	98.3	381000	95.3
Chromium		500	2.8		524	104.8	2.5		508	101.6
Cobalt		500	2.0		531	106.2	1.4		526	105.2
Copper		500	3.5		551	110.2	3.6		532	106.4
Iron	200000	200000	192000	96.0	199000	99.5	190000	95.0	194000	97.0
Lead		1000	5.8		1020	102.0	0.0		997	99.7
Lithium		500	25.2		581	116.2	25.6		568	113.6
Magnesium	500000	500000	523000	104.6	513000	102.6	525000	105.0	509000	101.8
Manganese		500	1.1		530	106.0	1.1		515	103.0
Molybdenum		500	1.5		497	99.4	1.2		487	97.4
Nickel		1000	4.1		1030	103.0	4.4		1030	103.0
Palladium		500	4.2		556	111.2	3.3		529	105.8
Potassium			238		215		187		177	
Selenium		1000	-4.7		1060	106.0	-0.50		1030	103.0
Silicon			11.7		13.0		10.9		14.3	
Silver		1000	7.1		1100	110.0	5.5		1070	107.0
Sodium			-11		-7.9		-3.6		8.2	
Sulfur		500	5.4		557	111.4	9.5		539	107.8
Strontium			5.2		5.1		5.2		5.6	
Thallium		1000	3.6		996	99.6	-0.70		977	97.7
Tin			-6.3		-4.0		-4.2		-5.1	
Titanium			2.9		2.5		3.0		2.8	
Tungsten		500	14.4		536	107.2	10.8		525	105.0
Vanadium		500	-4.6		516	103.2	-4.3		503	100.6
Zinc		1000	-1.6		1010	101.0	0.80		1030	103.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

File ID: SE071515M2.ICP Date Analyzed: 07/15/15 Methods: EPA 200.7, SW846 6010C
QC Limits: 80 to 120 % Recovery Run ID: MA37100 Units: ug/l

Time:			15:41		15:44		19:50		19:53	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zirconium		500	7.1		490	98.0	7.4		475	95.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	RL	IDL	MDL	MB raw	final
Aluminum	200	7.3	33		
Antimony	6.0	1.3	3		
Arsenic	3.0	.69	2		
Barium	200	.26	.8		
Beryllium	1.0	.11	.35		
Bismuth	20	1.4	4.2		
Boron	100	.86	4.4		
Cadmium	3.0	.22	.28		
Calcium	5000	5	23		
Chromium	10	.47	.77	0.10	<10
Cobalt	50	.33	.54		
Copper	10	.84	1.9		
Iron	100	2	21		
Lead	3.0	1.1	2.3		
Lithium	20	.65	3.8		
Magnesium	5000	11	49		
Manganese	15	.17	.18		
Molybdenum	20	.44	.85		
Nickel	10	.96	.79		
Palladium	50	1.3	4.5		
Potassium	10000	31	65		
Selenium	10	1.4	3.3		
Silicon	200	4	22		
Silver	10	.4	1.3		
Sodium	10000	9	35		
Sulfur	50	4.4	7.2		
Strontium	10	.13	.36		
Thallium	2.0	1.6	1.7		
Tin	10	.68	1.9		
Titanium	10	.41	.86		
Tungsten	50	.91	5.6		
Vanadium	50	.36	.7		
Zinc	20	.54	4.9		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	RL	IDL	MDL	MB raw	final
Zirconium	10	.32	.71		

Associated samples MP87627: JB98699-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	JB98772-1 Original	MS	Spikelot MPSPK1	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Bismuth					
Boron					
Cadmium	anr				
Calcium					
Chromium	23.0	1480	2000	72.9N(a)	75-125
Cobalt					
Copper	anr				
Iron	anr				
Lead	anr				
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Palladium					
Potassium					
Selenium	anr				
Silicon					
Silver	anr				
Sodium					
Sulfur					
Strontium					
Thallium					
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	JB98772-1 Original MS	Spikelot MPSPK1	% Rec	QC Limits
Zirconium				

Associated samples MP87627: JB98699-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	JB98772-1 Original	MSD	Spikelot MPSPK1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Bismuth						
Boron						
Cadmium	anr					
Calcium						
Chromium	23.0	1540	2000	75.9	4.0	20
Cobalt						
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Palladium						
Potassium						
Selenium	anr					
Silicon						
Silver	anr					
Sodium						
Sulfur						
Strontium						
Thallium						
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 07/13/15

Metal	JB98772-1 Original MSD	Spikelot MPSPK1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP87627: JB98699-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	BSP Result	Spikelot MPSPK1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Bismuth				
Boron				
Cadmium	anr			
Calcium				
Chromium	1920	2000	96.0	80-120
Cobalt				
Copper	anr			
Iron	anr			
Lead	anr			
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	BSP Result	Spikelot MPSPK1	% Rec	QC Limits
Zirconium				

Associated samples MP87627: JB98699-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	JB98772-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Bismuth				
Boron				
Cadmium	anr			
Calcium				
Chromium	23.0	21.8	5.2	0-10
Cobalt				
Copper	anr			
Iron	anr			
Lead	anr			
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Palladium				
Potassium				
Selenium	anr			
Silicon				
Silver	anr			
Sodium				
Sulfur				
Strontium				
Thallium				
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	JB98772-1 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP87627: JB98699-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	Sample ml	Final ml	JB98772-1 Raw	JB98772-1 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Bismuth										
Boron										
Cadmium										
Calcium										
Chromium	9.1	10	23	18.837	513.1	0.5	10	500	98.9	80-120
Cobalt										
Copper										
Iron										
Lead										
Lithium										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Palladium										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Sulfur										
Strontium										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

POST DIGESTATE SPIKE SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87627
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/13/15

Metal	Sample ml	Final ml	JB98772-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Zirconium										

Associated samples MP87627: JB98699-6A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/14/15

Metal	RL	IDL	MDL	MB raw	final
Aluminum	51	1.1	3.3		
Antimony	2.0	.24	.31		
Arsenic	2.0	.25	.14		
Barium	20	.02	.055		
Beryllium	0.20	.01	.041		
Bismuth	2.0	.27	.38		
Boron	10	.2	.43		
Cadmium	0.51	.04	.052		
Calcium	510	.45	2.7		
Chromium	1.0	.091	.1	0.0	<1.0
Cobalt	5.1	.04	.04		
Copper	2.5	.11	.14		
Iron	51	.17	3.3		
Lead	2.0	.17	.24		
Lithium	2.0	.15	.33		
Magnesium	510	2.1	9		
Manganese	1.5	.01	.036		
Molybdenum	2.0	.061	.15		
Nickel	4.0	.051	.097		
Palladium	5.1	.2	.37		
Potassium	1000	2.9	7.5		
Selenium	2.0	.26	.25		
Silicon	20	.19	1.7		
Silver	0.51	.081	.18		
Sodium	1000	.95	1.5		
Strontium	1.0	.01	.034		
Sulfur	5.1	.41	.7		
Thallium	1.0	.19	.19		
Tin	5.1	.13	1.1		
Titanium	1.0	.11	.21		
Tungsten	5.1	.19	.44		
Vanadium	5.1	.071	.076		
Zinc	5.1	.03	.78		

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/14/15

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.03	.11		

Associated samples MP87667: JB98699-1A, JB98699-2A, JB98699-3A, JB98699-4A, JB98699-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/14/15

Metal	JB98699-2A Original	MS	Spikelot MPSPK1	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	anr				
Beryllium	anr				
Bismuth					
Boron					
Cadmium	anr				
Calcium	anr				
Chromium	4.6	143	201	68.9N(a)	75-125
Cobalt	anr				
Copper	anr				
Iron	anr				
Lead	anr				
Lithium					
Magnesium	anr				
Manganese	anr				
Molybdenum					
Nickel	anr				
Palladium					
Potassium	anr				
Selenium	anr				
Silicon					
Silver	anr				
Sodium	anr				
Strontium					
Sulfur					
Thallium	anr				
Tin					
Titanium					
Tungsten					
Vanadium	anr				
Zinc	anr				

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/14/15

Metal	JB98699-2A Original MS	Spikelot MPSPK1	% Rec	QC Limits
Zirconium				

Associated samples MP87667: JB98699-1A, JB98699-2A, JB98699-3A, JB98699-4A, JB98699-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/14/15

Metal	JB98699-2A Original	MSD	Spikelot MPSPK1	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron						
Cadmium	anr					
Calcium	anr					
Chromium	4.6	155	199	75.6	8.1	20
Cobalt	anr					
Copper	anr					
Iron	anr					
Lead	anr					
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Palladium						
Potassium	anr					
Selenium	anr					
Silicon						
Silver	anr					
Sodium	anr					
Strontium						
Sulfur						
Thallium	anr					
Tin						
Titanium						
Tungsten						
Vanadium	anr					
Zinc	anr					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667 Methods: SW846 6010C
Matrix Type: SOLID Units: mg/kg

Prep Date: 07/14/15

Metal	JB98699-2A Original MSD	Spikelot MPSPK1	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP87667: JB98699-1A, JB98699-2A, JB98699-3A, JB98699-4A, JB98699-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/14/15

Metal	BSP Result	Spikelot MPSPK1	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Chromium	210	202	104.0	80-120
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 07/14/15

Metal	BSP Result	Spikelot MPSPK1	% Rec	QC Limits
Zirconium				

Associated samples MP87667: JB98699-1A, JB98699-2A, JB98699-3A, JB98699-4A, JB98699-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/14/15

Metal	JB98699-2A Original	SDL 1:5	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Bismuth				
Boron				
Cadmium	anr			
Calcium	anr			
Chromium	46.6	49.9	7.1	0-10
Cobalt	anr			
Copper	anr			
Iron	anr			
Lead	anr			
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Palladium				
Potassium	anr			
Selenium	anr			
Silicon				
Silver	anr			
Sodium	anr			
Strontium				
Sulfur				
Thallium	anr			
Tin				
Titanium				
Tungsten				
Vanadium	anr			
Zinc	anr			

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB98699A
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

QC Batch ID: MP87667
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 07/14/15

Metal	JB98699-2A Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP87667: JB98699-1A, JB98699-2A, JB98699-3A, JB98699-4A, JB98699-5A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Instrument ID: SSTRACE1 **Effective Date:** 07/01/15

Analyte	IDL ug/l
Aluminum	7.26
Antimony	1.28
Arsenic	.69
Barium	.26
Beryllium	.11
Bismuth	1.44
Boron	.86
Cadmium	.22
Calcium	4.96
Chromium	.47
Cobalt	.33
Copper	.84
Iron	2
Lead	1.12
Lithium	.65
Magnesium	11.1
Manganese	.17
Molybdenum	.44
Nickel	.96
Palladium	1.33
Potassium	30.8
Selenium	1.39
Silicon	4.03
Silver	.4
Sodium	8.97
Sulfur	4.44
Strontium	.13
Thallium	1.59
Tin	.68
Titanium	.41
Tungsten	.91
Vanadium	.36
Zinc	.54
Zirconium	.32

The above applies to the following instrument runs:
MA37086,MA37096

Instrument Detection Limits

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Instrument ID: SSTRACE5 **Effective Date:** 07/10/15

Analyte	IDL ug/l
Aluminum	10.4
Antimony	2.4
Arsenic	2.5
Barium	.2
Beryllium	.1
Bismuth	2.7
Boron	2
Cadmium	.4
Calcium	4.5
Chromium	.9
Cobalt	.4
Copper	1.1
Iron	1.7
Lead	1.7
Lithium	1.5
Magnesium	21
Manganese	.1
Molybdenum	.6
Nickel	.5
Palladium	2
Potassium	29.1
Selenium	2.6
Silicon	1.9
Silver	.8
Sodium	9.4
Sulfur	4.1
Strontium	.1
Thallium	1.9
Tin	1.3
Titanium	1.1
Tungsten	1.9
Vanadium	.7
Zinc	.3
Zirconium	.3

The above applies to the following instrument runs:
MA37100

Instrument Linear Ranges

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Instrument ID: SSTRACE1 **Effective Date:** 06/18/15

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	25000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	25000
Boron	50000
Cadmium	10000
Calcium	500000
Chromium	25000
Cobalt	25000
Copper	50000
Iron	500000
Lead	25000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	25000
Palladium	25000
Potassium	400000
Selenium	25000
Silicon	50000
Silver	2000
Sodium	400000
Sulfur	100000
Strontium	25000
Thallium	25000
Tin	25000
Titanium	50000
Tungsten	10000
Vanadium	50000
Zinc	50000
Zirconium	50000

The above applies to the following instrument runs:
MA37086,MA37096

Instrument Linear Ranges

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Instrument ID: SSTRACE5 **Effective Date:** 06/18/15

Analyte	Linear Range ug/l
Aluminum	1000000
Antimony	25000
Arsenic	10000
Barium	50000
Beryllium	25000
Bismuth	25000
Boron	50000
Cadmium	10000
Calcium	500000
Chromium	25000
Cobalt	25000
Copper	50000
Iron	500000
Lead	25000
Lithium	50000
Magnesium	1000000
Manganese	10000
Molybdenum	50000
Nickel	25000
Palladium	25000
Potassium	400000
Selenium	25000
Silicon	50000
Silver	2000
Sodium	400000
Sulfur	100000
Strontium	25000
Thallium	25000
Tin	25000
Titanium	50000
Tungsten	10000
Vanadium	50000
Zinc	50000
Zirconium	50000

The above applies to the following instrument runs:
MA37100

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 7/14/2015 12:34:14 Type: Cal
Method: Accutest1(v195) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0031**	**.0003**	**.0006**	**-.0001**	**.0000**	**.0051**	**.0001**	**.0001**	**-.0003**
Stddev	.0005	.0000	.0001	.0001	.000	.0000	.0000	.0000	.0000
%RSD	14.88	15.13	10.09	70.20	62.06	.1396	41.06	23.69	3.857
#1	.0034	.0003	.0007	-.0001	.0000	.0051	.0000	.0001	-.0003
#2	.0028	.0003	.0006	-.0002	.0000	.0051	.0001	.0001	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0005**	**-.0004**	**-.0003**	**-.0001**	**.0001**	**.0003**	**.0000**	**.0017**
Stddev	.0000	.0003	.0002	.0000	.0000	.0001	.0001	.0000	.0001
%RSD	15.55	58.31	52.63	13.29	73.07	70.70	35.79	164.9	4.492
#1	.0001	-.0007	-.0005	-.0002	.0000	.0002	.0002	.0000	.0017
#2	.0000	-.0003	-.0002	-.0003	-.0001	.0001	.0004	.0000	.0016

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0001**	**-.0031**	**-.0003**	**.0010**	**.0002**	**-.0002**	**.0094**	**.0001**
Stddev	.0000	.0001	.0000	.0003	.0000	.0000	.0001	.0000	.0002
%RSD	10.94	101.2	1.259	86.21	5.088	9.863	25.68	.3778	263.8
#1	.0001	-.0002	-.0031	-.0005	.0009	.0002	-.0002	.0094	.0002
#2	.0001	.0000	-.0032	-.0001	.0010	.0002	-.0002	.0094	-.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0000**	**-.0002**	**.0004**	**-.0001**	**.0002**	**-.0031**	**.0020**
Stddev	.000	.0001	.0003	.0000	.0000	.0005	.0002
%RSD	688.1	47.57	88.51	30.09	18.52	15.71	11.71
#1	.0001	-.0003	.0006	-.0001	.0003	-.0035	.0022
#2	-.0001	-.0001	.0001	-.0001	.0002	-.0028	.0019

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 7/14/2015 12:34:14 Type: Cal
Method: Accutest1(v195) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74812.**	**27692.**	**1097.4**	**3808.2**
Stddev	1847.	43.	4.3	10.4
%RSD	2.4684	.15434	.39254	.27267
#1	76118.	27723.	1094.3	3800.8
#2	73506.	27662.	1100.4	3815.5

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 7/14/2015 12:40:16 Type: Cal
Method: Accutest1(v195) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8.242**	**7.271**	**4.910**	**1.438**	**.2481**	**1.191**	**1.885**	**1.214**	**.0620**
Stddev	.015	.068	.005	.002	.0003	.000	.002	.000	.0001
%RSD	.1871	.9392	.1072	.1096	.1389	.0031	.0861	.0028	.2010
#1	8.253	7.223	4.906	1.439	.2478	1.191	1.884	1.214	.0619
#2	8.231	7.319	4.914	1.437	.2483	1.191	1.886	1.214	.0621

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4805**	**2.292**	**.6422**	**.1170**	**.4723**	**.3856**	**.8960**	**2.538**	**3.604**
Stddev	.0004	.004	.0011	.0001	.0001	.0003	.0006	.007	.020
%RSD	.0779	.1878	.1768	.1256	.0177	.0719	.0642	.2804	.5638
#1	.4803	2.289	.6414	.1171	.4723	.3854	.8956	2.543	3.589
#2	.4808	2.295	.6430	.1169	.4722	.3858	.8964	2.533	3.618

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.744**	**.3140**	**1.274**	**6.777**	**1.101**	**3.372**	**.2729**	**3.332**	**.5117**
Stddev	.004	.0009	.007	.048	.002	.005	.0009	.004	.0003
%RSD	.1641	.2929	.5920	.7105	.1748	.1613	.3182	.1331	.0644
#1	2.740	.3134	1.279	6.811	1.100	3.368	.2723	3.329	.5115
#2	2.747	.3147	1.268	6.743	1.102	3.376	.2735	3.335	.5120

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**15.02**	**.6269**	**1.815**	**1.282**	**.2247**	**1.690**	**2.235**
Stddev	.03	.0003	.000	.001	.0013	.002	.024
%RSD	.1783	.0528	.0106	.0609	.5671	.1159	1.056
#1	15.00	.6271	1.815	1.282	.2238	1.689	2.252
#2	15.04	.6266	1.815	1.281	.2256	1.691	2.218

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 7/14/2015 12:40:16 Type: Cal
Method: Accutest1(v195) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70167.**	**26728.**	**1047.2**	**3406.7**
Stddev	64.	15.	1.1	.3
%RSD	.09083	.05431	.10556	.00801
#1	70122.	26739.	1048.0	3406.5
#2	70213.	26718.	1046.4	3406.9

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 7/14/2015 12:46:23 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.012**	**2.036**	**2.028**	**2.033**	**2.035**	**1.983**	**2.082**	**2.062**	**.2504**
Stddev	.036	.033	.001	.001	.008	.009	.005	.005	.0006
%RSD	1.771	1.618	.0515	.0624	.3937	.4689	.2531	.2296	.2536
#1	2.037	2.059	2.028	2.032	2.030	1.977	2.079	2.059	.2499
#2	1.987	2.013	2.029	2.033	2.041	1.990	2.086	2.066	.2508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.043**	**2.082**	**2.025**	**2.093**	**2.064**	**2.036**	**2.039**	**38.74**	**39.61**
Stddev	.003	.003	.001	.004	.004	.004	.000	.77	.48
%RSD	.1433	.1418	.0412	.1774	.2108	.1698	.0042	2.000	1.207
#1	2.041	2.080	2.025	2.090	2.061	2.034	2.039	39.28	39.95
#2	2.045	2.084	2.026	2.095	2.067	2.039	2.039	38.19	39.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.02**	**38.58**	**38.37**	**38.87**	**2.061**	**2.062**	**1.992**	**5.015**	**2.073**
Stddev	.63	.62	.73	.85	.007	.000	.014	.007	.001
%RSD	1.573	1.597	1.911	2.199	.3197	.0033	.7036	.1440	.0575
#1	40.46	39.02	38.89	39.48	2.056	2.062	1.982	5.020	2.074
#2	39.57	38.14	37.85	38.27	2.066	2.062	2.002	5.010	2.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 7/14/2015 12:46:23 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.046**	**2.058**	**2.034**	**2.014**	**2.049**	**1.948**
Stddev	.033	.007	.002	.004	.014	.001	.046
%RSD	1.630	.3492	.1045	.1711	.6787	.0660	2.344
#1	2.027	2.041	2.057	2.032	2.004	2.048	1.980
#2	1.981	2.051	2.060	2.037	2.024	2.050	1.916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71416.**	**27335.**	**1069.0**	**3526.0**
Stddev	206.	294.	.2	4.1
%RSD	.28870	1.0745	.02253	.11747
#1	71561.	27127.	1069.2	3529.0
#2	71270.	27542.	1068.8	3523.1

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 7/14/2015 12:52:19 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0003**	**-.0005**	**.0000**	**.0001**	**.0002**	**.0025**	**.0001**
Stddev	.0001	.0000	.0000	.0003	.000	.0002	.0000	.0003	.0002
%RSD	56.06	14.89	14.71	54.28	288.1	279.5	8.694	12.90	119.4
#1	.0001	.0002	.0003	-.0003	.0000	-.0001	.0002	.0027	.0002
#2	.0002	.0002	.0002	-.0006	-.0001	.0003	.0002	.0023	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0001**	**-.0004**	**.0019**	**-.0005**	**-.0001**	**.0000**	**.0008**	**.0036**
Stddev	.0000	.0000	.0008	.0009	.0002	.0002	.000	.0074	.0011
%RSD	3.856	21.36	219.3	48.80	37.50	112.5	660.5	879.2	29.62
#1	.0004	-.0002	-.0009	.0025	-.0003	.0000	.0001	.0061	.0029
#2	.0004	-.0001	.0002	.0012	-.0006	-.0003	-.0002	-.0044	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0056**	**.0190**	**.0103**	**.0031**	**.0009**	**.0004**	**.0003**	**.0006**
Stddev	.0001	.0179	.0001	.0015	.0009	.0004	.0003	.0009	.0006
%RSD	3.169	319.4	.3530	14.66	27.95	46.01	70.79	308.9	93.92
#1	.0021	-.0071	.0189	.0092	.0038	.0006	.0007	.0009	.0002
#2	.0020	.0183	.0190	.0113	.0025	.0012	.0002	-.0003	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 7/14/2015 12:52:19 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0013**	**.0001**	**-.0003**	**-.0005**	**.0010**
Stddev	.0000	.0001	.0015	.0000	.0017	.0004	.0006
%RSD	10.14	200.6	119.1	13.50	643.2	79.69	63.43
#1	.0001	-.0002	.0023	.0001	.0009	-.0002	.0005
#2	.0001	.0000	.0002	.0001	-.0014	-.0007	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73705.**	**27586.**	**1099.4**	**3795.8**
Stddev	35.	8.	1.1	.3
%RSD	.04745	.02936	.09717	.00893
#1	73680.	27592.	1098.6	3796.0
#2	73729.	27581.	1100.1	3795.6

Zoom In Zoom Out

Sample Name: icv Acquired: 7/14/2015 12:59:08 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.041**	**2.052**	**2.018**	**2.029**	**2.041**	**1.983**	**2.086**	**2.061**	**.2511**
Stddev	.003	.002	.001	.000	.003	.002	.002	.003	.0002
%RSD	.1622	.1138	.0556	.0113	.1264	.1119	.0705	.1206	.0921
#1	2.038	2.051	2.017	2.029	2.044	1.985	2.087	2.063	.2511
#2	2.039	2.054	2.019	2.029	2.040	1.984	2.084	2.061	.2508
#3	2.045	2.050	2.017	2.029	2.039	1.981	2.087	2.058	.2512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.046**	**2.074**	**2.016**	**2.097**	**2.067**	**2.013**	**2.027**	**39.26**	**39.85**
Stddev	.002	.001	.003	.005	.003	.005	.004	.11	.11
%RSD	.0726	.0434	.1545	.2645	.1386	.2463	.1844	.2807	.2833
#1	2.048	2.074	2.019	2.091	2.070	2.010	2.025	39.16	39.83
#2	2.046	2.075	2.017	2.099	2.064	2.019	2.032	39.25	39.97
#3	2.045	2.073	2.013	2.101	2.066	2.010	2.025	39.38	39.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.45**	**39.13**	**38.59**	**39.19**	**2.049**	**2.051**	**1.995**	**4.969**	**2.064**
Stddev	.06	.10	.26	.31	.007	.004	.003	.011	.005
%RSD	.1535	.2497	.6688	.7946	.3496	.1860	.1469	.2191	.2259
#1	40.41	39.13	38.35	38.96	2.047	2.052	1.995	4.972	2.066
#2	40.52	39.23	38.55	39.06	2.058	2.055	1.992	4.978	2.068
#3	40.42	39.04	38.86	39.54	2.044	2.047	1.998	4.957	2.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 7/14/2015 12:59:08 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**2.053**	**2.046**	**2.034**	**1.994**	**2.029**	**1.965**
Stddev	.001	.004	.005	.000	.010	.006	.015
%RSD	.0350	.2102	.2542	.0036	.4936	.2889	.7558
#1	2.018	2.057	2.051	2.034	1.994	2.032	1.956
#2	2.018	2.049	2.044	2.034	2.003	2.033	1.958
#3	2.017	2.054	2.041	2.033	1.984	2.022	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70978.**	**27000.**	**1073.8**	**3527.9**
Stddev	20.	36.	2.9	5.4
%RSD	.02817	.13308	.26579	.15195
#1	70965.	27016.	1073.6	3526.1
#2	70968.	27025.	1071.1	3523.7
#3	71001.	26959.	1076.8	3534.0

Zoom In Zoom Out

Sample Name: icb Acquired: 7/14/2015 13:12:54 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0000**	**-.0003**	**-.0002**	**-.0003**	**.0001**	**.0017**	**.0000**
Stddev	.000	.0001	.0001	.0000	.0004	.0003	.0000	.0000	.0002
%RSD	614.0	93.15	764.1	2.858	289.6	110.3	31.98	.5455	947.7
#1	-.0002	.0000	.0001	-.0003	-.0005	-.0006	.0001	.0017	.0002
#2	.0001	.0001	-.0001	-.0003	.0002	-.0001	.0000	.0017	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0001**	**.0001**	**.0013**	**-.0013**	**.0014**	**-.0008**	**.0005**	**.0009**
Stddev	.0002	.0001	.0012	.0023	.0001	.0004	.0003	.0023	.0033
%RSD	55.53	44.09	835.6	176.6	9.969	28.97	38.08	484.9	361.7
#1	.0004	-.0002	-.0007	-.0003	-.0012	.0017	-.0010	-.0011	.0033
#2	.0002	-.0001	.0010	.0029	-.0014	.0011	-.0006	.0021	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0241**	**-.0148**	**.0022**	**.0010**	**.0003**	**-.0011**	**-.0002**	**.0004**
Stddev	.0002	.0075	.0146	.0010	.0002	.0003	.0003	.0004	.0009
%RSD	113.9	30.92	98.80	46.50	23.36	102.9	26.17	228.8	198.7
#1	.0000	.0294	-.0251	.0015	.0011	.0005	-.0009	.0001	-.0002
#2	-.0003	.0188	-.0045	.0029	.0008	.0001	-.0013	-.0004	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 7/14/2015 13:12:54 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0002**	**.0002**	**-.0001**	**-.0009**	**-.0006**	**-.0005**
Stddev	.0000	.0004	.0013	.0001	.0019	.0004	.0008
%RSD	13.85	207.7	540.9	77.75	204.1	61.89	149.8
#1	.0000	-.0004	-.0007	-.0001	.0004	-.0003	-.0011
#2	.0001	.0001	.0011	.0000	-.0022	-.0008	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74212.**	**27942.**	**1104.5**	**3828.7**
Stddev	47.	47.	4.9	12.0
%RSD	.06327	.16755	.44792	.31238
#1	74245.	27975.	1101.0	3820.2
#2	74179.	27909.	1108.0	3837.2

Zoom In Zoom Out

Sample Name: iccv Acquired: 7/14/2015 13:19:59 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**2.040**	**2.021**	**2.019**	**2.039**	**1.982**	**2.090**	**2.042**	**.2499**
Stddev	.003	.003	.004	.003	.024	.018	.026	.004	.0029
%RSD	.1251	.1275	.1817	.1662	1.175	.9262	1.232	.1908	1.169
#1	2.036	2.041	2.023	2.022	2.034	1.978	2.090	2.045	.2492
#2	2.036	2.042	2.023	2.022	2.074	2.009	2.126	2.041	.2541
#3	2.038	2.040	2.016	2.018	2.018	1.966	2.065	2.037	.2472
#4	2.032	2.036	2.022	2.015	2.031	1.977	2.080	2.045	.2493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.050**	**2.070**	**2.018**	**2.099**	**2.051**	**2.017**	**2.037**	**39.12**	**39.49**
Stddev	.025	.004	.007	.006	.005	.007	.005	.08	.11
%RSD	1.202	.1928	.3573	.2857	.2567	.3515	.2389	.1983	.2721
#1	2.049	2.074	2.017	2.100	2.056	2.021	2.043	39.16	39.62
#2	2.084	2.067	2.009	2.100	2.051	2.019	2.032	39.13	39.47
#3	2.027	2.065	2.018	2.091	2.044	2.006	2.034	39.17	39.36
#4	2.039	2.071	2.027	2.105	2.053	2.021	2.038	39.01	39.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 7/14/2015 13:19:59 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.73**	**38.65**	**38.76**	**39.39**	**2.057**	**2.056**	**1.996**	**4.999**	**2.064**
Stddev	.03	.07	.12	.15	.004	.004	.021	.009	.007
%RSD	.0722	.1826	.3191	.3835	.2196	.1753	1.044	.1744	.3180
#1	39.77	38.73	38.88	39.53	2.063	2.060	1.995	5.000	2.068
#2	39.72	38.61	38.85	39.47	2.056	2.053	2.025	5.002	2.065
#3	39.74	38.70	38.69	39.37	2.052	2.052	1.975	4.987	2.055
#4	39.71	38.58	38.62	39.19	2.058	2.057	1.990	5.007	2.069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.012**	**2.055**	**2.040**	**2.035**	**1.945**	**2.035**	**1.974**
Stddev	.010	.023	.005	.023	.008	.004	.007
%RSD	.5070	1.125	.2684	1.124	.4241	.1825	.3447
#1	2.024	2.052	2.041	2.034	1.941	2.040	1.976
#2	2.015	2.087	2.035	2.067	1.937	2.033	1.979
#3	2.011	2.031	2.036	2.012	1.946	2.032	1.977
#4	2.000	2.048	2.047	2.028	1.956	2.037	1.964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Zoom In Zoom Out

Sample Name: iccv Acquired: 7/14/2015 13:19:59 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70891.**	**27141.**	**1063.9**	**3529.1**
Stddev	665.	88.	1.7	6.1
%RSD	.93843	.32402	.16127	.17231
#1	70898.	27017.	1062.8	3523.5
#2	70005.	27143.	1064.7	3528.3
#3	71610.	27199.	1065.9	3537.7
#4	71053.	27207.	1062.1	3526.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 13:35:39 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0000**	**-.0003**	**.0002**	**.0000**	**.0002**	**.0028**	**-.0002**
Stddev	.0000	.0000	.000	.0000	.0004	.000	.0000	.0001	.0001
%RSD	52.51	13.06	118.6	6.874	190.0	868.3	2.143	2.322	30.86
#1	.0000	.0001	-.0001	-.0003	-.0001	-.0002	.0002	.0028	-.0003
#2	.0000	.0001	.0000	-.0004	.0005	.0001	.0002	.0028	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0003**	**.0000**	**.0004**	**-.0002**	**.0005**	**.0004**	**.0056**	**.0020**
Stddev	.0001	.0004	.000	.0003	.0003	.0009	.0000	.0022	.0004
%RSD	93.21	159.1	270.8	80.01	181.8	189.8	11.40	39.37	18.59
#1	.0003	.0000	.0000	.0006	-.0004	.0011	.0005	.0041	.0017
#2	.0001	-.0006	-.0001	.0002	.0000	-.0002	.0004	.0072	.0023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0278**	**.0087**	**.0045**	**.0013**	**.0001**	**.0003**	**.0006**	**-.0004**
Stddev	.0016	.0141	.0098	.0006	.0002	.0001	.0011	.0003	.0001
%RSD	88.20	50.70	113.0	13.09	17.61	125.6	333.2	57.69	13.29
#1	.0030	.0377	.0017	.0041	.0011	.0002	-.0004	.0003	-.0004
#2	.0007	.0178	.0156	.0049	.0014	.0000	.0011	.0008	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 13:35:39 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**.0004**	**.0001**	**-.0008**	**-.0001**	**.0003**
Stddev	.0000	.0002	.0006	.0000	.0005	.0006	.0000
%RSD	49.05	89.47	158.8	52.60	63.20	603.4	6.046
#1	.0001	.0001	.0000	.0001	-.0012	-.0005	.0003
#2	.0001	.0004	.0008	.0001	-.0005	.0003	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74483.**	**27973.**	**1107.2**	**3830.6**
Stddev	224.	105.	1.4	2.2
%RSD	.30113	.37572	.12387	.05615
#1	74324.	28047.	1106.3	3829.1
#2	74641.	27898.	1108.2	3832.1

Zoom In Zoom Out

Sample Name: cri Acquired: 7/14/2015 13:40:17 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1982**	**.0020**	**.0032**	**.0519**	**.0104**	**.0114**	**.0167**	W **.0128**
Stddev	.0001	.0000	.0000	.0002	.0002	.0005	.0000	.0002
%RSD	.0741	.2304	1.073	.3803	2.148	4.403	.2312	1.672
#1	.1983	.0020	.0032	.0517	.0105	.0110	.0167	.0127
#2	.1981	.0020	.0031	.0520	.0102	.0117	.0166	.0130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value								.0100
Range								20.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**.0537**	**.0234**	W **.0098**	**.0118**	**.0031**	**.0097**	**.0063**
Stddev	.0001	.0003	.0003	.0005	.0007	.0007	.0010	.0007
%RSD	1.107	.4754	1.144	5.530	5.912	23.02	9.828	11.30
#1	.0052	.0535	.0236	.0094	.0113	.0026	.0104	.0068
#2	.0053	.0538	.0232	.0102	.0123	.0035	.0090	.0058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.0080				
Range				20.00%				

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2056**	**4.797**	**.0955**	**4.598**	**4.539**	**4.669**	**.1043**	**.0209**
Stddev	.0021	.009	.0012	.027	.000	.002	.0000	.0001
%RSD	.9974	.1907	1.215	.5899	.0005	.0501	.0295	.4817
#1	.2070	4.803	.0946	4.617	4.539	4.668	.1043	.0208
#2	.2041	4.791	.0963	4.579	4.539	4.671	.1043	.0210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 7/14/2015 13:40:17 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0491**	**.1977**	**.0111**	**.0103**	**.0105**	**.0552**	**.0097**	**.0477**
Stddev	.0006	.0001	.0002	.0000	.0002	.0004	.0002	.0009
%RSD	1.207	.0592	1.409	.3238	1.760	.7050	1.603	1.816
#1	.0486	.1976	.0112	.0103	.0104	.0549	.0096	.0470
#2	.0495	.1978	.0110	.0103	.0106	.0554	.0098	.0483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0206**	**.0212**
Stddev	.0002	.0007
%RSD	1.204	3.502
#1	.0208	.0218
#2	.0205	.0207
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73269.**	**27827.**	**1097.5**	**3770.8**
Stddev	243.	2.	1.4	9.9
%RSD	.33162	.00854	.12338	.26257
#1	73441.	27829.	1098.5	3777.8
#2	73097.	27826.	1096.6	3763.8

Zoom In Zoom Out

Sample Name: crid Acquired: 7/14/2015 13:46:19 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0010**	**.0010**	**.0028**	**.0020**	**.0018**	**.0033**	F **.0057**
Stddev	.0000	.0001	.0001	.0004	.0000	.0001	.0000	.0002
%RSD	.3419	9.635	11.00	14.93	2.260	4.704	.2573	4.078
#1	.0040	.0010	.0010	.0031	.0021	.0018	.0033	.0059
#2	.0040	.0011	.0009	.0025	.0020	.0019	.0033	.0055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value								.0040
Range								30.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.0016**	**.0022**	**.0118**	**.0026**	F **.0011**	F **.0011**	**.0056**	**.0032**
Stddev	.0002	.0001	.0001	.0003	.0008	.0012	.0002	.0000
%RSD	14.59	2.530	1.102	10.11	74.37	105.6	3.246	1.234
#1	.0014	.0021	.0117	.0024	.0017	.0003	.0055	.0032
#2	.0017	.0022	.0119	.0028	.0005	.0019	.0058	.0032
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value	.0020				.0020	.0025		
Range	-20.00%				-30.00%	-30.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0945**	**.9598**	**.0016**	**.1102**	**1.755**	**.9210**	**.0102**	**.0000**
Stddev	.0055	.0012	.0015	.0071	.028	.0019	.0000	.000
%RSD	5.844	.1225	95.26	6.405	1.615	.2018	.3276	496.6
#1	.0906	.9589	.0005	.1052	1.775	.9223	.0103	.0001
#2	.0984	.9606	.0027	.1152	1.735	.9197	.0102	-.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/14/2015 13:46:19 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0018**	**.0039**	**.0000**	**.0000**	F **.0001**	F **.0000**	F **.0017**
Stddev	.0004	.0002	.0014	.000	.0000	.0011	.000	.0001
%RSD	90.77	9.456	35.23	121.5	24.60	1322.	82.16	7.212
#1	.0007	.0019	.0048	.0000	.0000	.0009	.0000	.0016
#2	.0002	.0017	.0029	.0000	.0000	-.0007	.0000	.0018
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0012**	F **-.0005**
Stddev	.0011	.0002
%RSD	98.13	34.60
#1	-.0020	-.0004
#2	-.0004	-.0006
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73425.**	**27575.**	**1099.1**	**3793.3**
Stddev	198.	31.	.5	4.3
%RSD	.26898	.11176	.04527	.11227
#1	73564.	27554.	1099.5	3790.2
#2	73285.	27597.	1098.7	3796.3

Zoom In Zoom Out

Sample Name: cria Acquired: 7/14/2015 13:52:25 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0000**	**.0000**	**-.0002**	**.0001**	**.0001**	**.0009**	**.0000**
Stddev	.0001	.0001	.0001	.000	.0003	.0000	.0000	.0004	.0000
%RSD	55.23	1727.	1838.	3098.	172.3	3.338	56.91	41.21	66.55
#1	-.0001	.0000	.0001	-.0001	.0000	.0001	.0000	.0006	.0000
#2	-.0003	.0000	-.0001	.0001	-.0004	.0001	.0001	.0012	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0002**	**.0214**	**-.0006**	**.0192**	**.0231**	**.0235**	**.4887**	**1.982**
Stddev	.0004	.0003	.0006	.0001	.0008	.0016	.0007	.0032	.007
%RSD	183.6	155.7	2.666	21.48	4.334	7.010	2.805	.6529	.3480
#1	-.0006	.0004	.0218	-.0007	.0198	.0220	.0231	.4910	1.987
#2	.0001	.0000	.0210	-.0005	.0186	.0243	.0240	.4865	1.977
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4804**	**1.912**	**-.0166**	**-.0029**	**-.0008**	**-.0002**	**.0000**	**.0035**	**.0009**
Stddev	.0005	.019	.0263	.0024	.0004	.0003	.0003	.0057	.0012
%RSD	.1137	1.008	158.6	82.82	48.76	106.5	1072.	160.0	130.2
#1	.4808	1.926	.0020	-.0046	-.0005	-.0001	.0002	-.0005	.0018
#2	.4801	1.899	-.0352	-.0012	-.0011	-.0004	-.0002	.0076	.0001
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 7/14/2015 13:52:25 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**.0002**	**-.0001**	**-.0007**	**-.0005**	**-.0004**
Stddev	.0000	.0003	.0000	.0002	.0008	.0001	.0002
%RSD	37.54	210.0	18.70	297.2	115.1	13.96	53.19
#1	-.0001	-.0003	.0001	-.0002	-.0001	-.0005	-.0005
#2	-.0001	.0001	.0002	.0001	-.0012	-.0004	-.0002
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73480.**	**27978.**	**1094.9**	**3806.3**
Stddev	156.	17.	3.3	5.1
%RSD	.21269	.06101	.30446	.13420
#1	73590.	27990.	1092.6	3802.7
#2	73369.	27966.	1097.3	3810.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/14/2015 13:58:30 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0002**	**.0005**	**.0012**	**.0022**	**-.0008**	**.0025**	**.0038**
Stddev	.0000	.0000	.0006	.0001	.0001	.0006	.0000	.0005	.0002
%RSD	14.82	35.33	254.5	20.22	5.114	27.64	3.566	20.07	5.366
#1	.0002	.0001	-.0002	.0005	.0012	.0026	-.0007	.0028	.0036
#2	.0002	.0001	.0007	.0004	.0011	.0018	-.0008	.0021	.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0084**	**-.0002**	**.0025**	**-.0030**	**.0021**	**.0001**	**-.0001**	**541.5**	**404.4**
Stddev	.0002	.0006	.0008	.0005	.0028	.0099	.0003	2.3	2.0
%RSD	1.800	244.9	33.72	15.79	133.8	15490.	306.0	.4289	.4846
#1	.0083	.0002	.0031	-.0027	.0041	-.0069	.0001	543.2	405.8
#2	.0085	-.0007	.0019	-.0034	.0001	.0071	-.0003	539.9	403.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**192.7**	**556.3**	**-.0324**	**.0051**	**-.0044**	**-.0092**	**.0022**	**-.0517**	**-.0050**
Stddev	.2	.1	.0141	.0039	.0008	.0007	.0010	.0004	.0014
%RSD	.1191	.0257	43.62	76.86	18.99	7.990	47.66	.7807	28.12
#1	192.8	556.4	-.0224	.0023	-.0050	-.0098	.0029	-.0520	-.0040
#2	192.5	556.2	-.0424	.0079	-.0038	-.0087	.0015	-.0514	-.0060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/14/2015 13:58:30 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092**	**-.0009**	**-.0022**	**-.0067**	**-.1172**	**.0011**	**.0136**
Stddev	.0001	.0006	.0036	.0003	.0011	.0007	.0008
%RSD	.8961	61.05	165.0	4.744	.9556	68.40	5.731
#1	.0093	-.0013	.0004	-.0065	-.1164	.0016	.0142
#2	.0091	-.0005	-.0047	-.0070	-.1180	.0005	.0131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**65519.**	**25041.**	**981.26**	**3080.4**
Stddev	17.	122.	8.05	19.4
%RSD	.02565	.48891	.82030	.63135
#1	65530.	24955.	986.96	3094.1
#2	65507.	25128.	975.57	3066.6

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/14/2015 14:04:44 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5436**	**.5399**	**1.072**	**.5154**	**.4999**	**.5269**	**.5112**	**1.016**	**1.116**
Stddev	.0021	.0008	.000	.0009	.0024	.0010	.0014	.001	.001
%RSD	.3952	.1500	.0015	.1756	.4805	.1825	.2835	.0823	.0748
#1	.5451	.5405	1.072	.5148	.4982	.5276	.5102	1.015	1.117
#2	.5420	.5394	1.072	.5160	.5016	.5263	.5123	1.016	1.116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5155**	**.9930**	**1.030**	**.9418**	**.9907**	**1.044**	**1.090**	**521.9**	**407.6**
Stddev	.0009	.0057	.002	.0047	.0074	.010	.000	.7	.6
%RSD	.1754	.5755	.1441	.5015	.7470	.9998	.0236	.1407	.1448
#1	.5148	.9889	1.031	.9452	.9854	1.037	1.090	521.3	407.2
#2	.5161	.9970	1.029	.9385	.9959	1.052	1.090	522.4	408.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**200.3**	**553.4**	**-.0617**	**.0127**	**-.0051**	**.4786**	**.5611**	**-.0572**	**-.0069**
Stddev	2.0	.2	.0213	.0001	.0003	.0015	.0008	.0024	.0014
%RSD	.9983	.0334	34.46	.7819	5.618	.3088	.1342	4.196	20.66
#1	201.7	553.5	-.0768	.0128	-.0053	.4776	.5616	-.0589	-.0059
#2	198.8	553.3	-.0467	.0126	-.0049	.4797	.5605	-.0555	-.0079
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/14/2015 14:04:44 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0093**	**-.0010**	**.5114**	**.4676**	**.4054**	**.5192**	**.5484**
Stddev	.0001	.0001	.0031	.0022	.0095	.0013	.0049
%RSD	1.443	9.505	.6023	.4794	2.354	.2461	.9024
#1	.0094	-.0011	.5092	.4660	.3987	.5183	.5519
#2	.0092	-.0009	.5135	.4692	.4122	.5201	.5449
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**65618.**	**25116.**	**982.79**	**3091.6**
Stddev	366.	21.	2.17	5.4
%RSD	.55762	.08405	.22042	.17476
#1	65877.	25101.	981.26	3087.8
#2	65359.	25131.	984.33	3095.4

Zoom In Zoom Out

Sample Name: feconf Acquired: 7/14/2015 14:10:50 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0001**	**-.0001**	**.0002**	**.0012**	**.0011**	**-.0083**	**.0034**	**-.0075**
Stddev	.0000	.0000	.0002	.0000	.0002	.0006	.0050	.0000	.0072
%RSD	30.93	15.36	169.6	2.533	20.46	52.83	60.04	.2380	95.87
#1	-.0001	.0001	-.0003	.0002	.0010	.0007	-.0118	.0034	-.0127
#2	.0000	.0001	.0000	.0002	.0013	.0015	-.0048	.0034	-.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0101**	**.0043**	**.0002**	**.0020**	**.0030**	**-.0020**	**-.0018**	**.0323**	**.0189**
Stddev	.0019	.0001	.0012	.0011	.0001	.0014	.0001	.0039	.0040
%RSD	18.68	2.777	699.2	53.62	2.809	69.76	4.565	12.12	21.06
#1	.0115	.0044	-.0007	.0013	.0031	-.0010	-.0018	.0351	.0217
#2	.0088	.0042	.0010	.0028	.0030	-.0030	-.0019	.0295	.0161

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**183.0**	**.0417**	**-.0297**	**.0010**	**-.0036**	**-.0011**	**-.0036**	**.0020**	**-.0008**
Stddev	.5	.0024	.0177	.0010	.0002	.0002	.0022	.0010	.0009
%RSD	.2629	5.761	59.40	101.1	5.262	15.87	60.70	47.84	111.4
#1	182.6	.0400	-.0172	.0003	-.0038	-.0010	-.0051	.0013	-.0015
#2	183.3	.0434	-.0422	.0018	-.0035	-.0012	-.0021	.0027	-.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0007**	**.0027**	**.0004**	**-.0080**	**.0027**	**.0000**
Stddev	.0000	.0007	.0000	.0007	.0048	.0002	.001
%RSD	60.33	98.14	1.500	188.0	60.35	7.767	2151.
#1	.0000	-.0011	.0027	-.0001	-.0114	.0028	.0003
#2	-.0001	-.0002	.0027	.0008	-.0046	.0025	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68279.**	**27759.**	**1094.2**	**3808.7**
Stddev	6471.	11.	2.1	7.6
%RSD	9.4768	.04002	.19200	.20014
#1	63703.	27767.	1092.7	3803.3
#2	72854.	27751.	1095.7	3814.1

Zoom In Zoom Out

Sample Name: crconf Acquired: 7/14/2015 14:16:56 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0003**	**-.0013**	**10.71**	**.0000**	**.0006**	**.0024**	**.0004**
Stddev	.000	.000	.0001	.0002	.03	.000	.0000	.0002	.0001
%RSD	470.4	33.05	34.89	13.60	.2593	448.9	5.797	9.492	22.81
#1	-.0001	.0000	-.0003	-.0012	10.73	-.0001	.0006	.0026	.0004
#2	.0000	-.0001	-.0002	-.0015	10.69	.0000	.0006	.0022	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0106**	**-.0090**	**-.0003**	**.0002**	**.0006**	**.0020**	**.0001**	**.0145**	**-.0204**
Stddev	.0002	.0001	.0010	.0003	.0008	.0040	.0003	.0033	.0031
%RSD	1.864	1.445	369.6	140.3	131.7	196.9	414.2	23.13	15.04
#1	.0108	-.0089	.0005	.0000	.0011	-.0008	-.0002	.0168	-.0226
#2	.0105	-.0091	-.0010	.0004	.0000	.0048	.0003	.0121	-.0183

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0272**	**.0390**	**-.0355**	**-.0046**	**-.0022**	**.0000**	**-.0008**	**.0022**	**-.0013**
Stddev	.0023	.0044	.0176	.0004	.0006	.0000	.0008	.0005	.0010
%RSD	8.574	11.19	49.59	9.266	27.90	114.6	103.6	24.64	74.40
#1	.0288	.0359	-.0479	-.0049	-.0018	.0000	-.0013	.0026	-.0020
#2	.0255	.0421	-.0230	-.0043	-.0026	.0001	-.0002	.0018	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0002**	**.0002**	**-.0016**	**.0029**	**-.0033**	**-.0005**
Stddev	.0000	.0003	.0011	.0000	.0004	.0001	.0005
%RSD	81.90	181.5	448.4	2.261	13.87	3.291	112.9
#1	.0000	-.0004	-.0005	-.0016	.0026	-.0032	-.0009
#2	.0000	.0000	.0010	-.0016	.0032	-.0033	-.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74140.**	**28136.**	**1084.6**	**3826.4**
Stddev	75.	64.	4.0	15.9
%RSD	.10122	.22642	.36804	.41577
#1	74087.	28091.	1087.5	3837.6
#2	74194.	28181.	1081.8	3815.1

Zoom In Zoom Out

Sample Name: asconf Acquired: 7/14/2015 14:22:58 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0002**	**-.0003**	**.0006**	**.0001**	**.0000**	**.0027**	**-.0001**
Stddev	.000	.000	.0000	.0000	.0003	.0002	.000	.0002	.0003
%RSD	13.80	74.51	16.66	11.29	52.93	304.5	380.0	6.257	314.9
#1	.0000	.0000	-.0001	-.0003	.0009	-.0001	.0000	.0028	-.0003
#2	.0000	.0000	-.0002	-.0003	.0004	.0002	.0000	.0026	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**-.0003**	**4.802**	**.0024**	**-.0017**	**.0012**	**.0000**	**.0002**	**-.0392**
Stddev	.0002	.0001	.016	.0006	.0000	.0002	.0007	.0026	.0009
%RSD	110.4	16.45	.3225	24.11	1.837	17.81	4949.	1554.	2.192
#1	.0000	-.0004	4.791	.0028	-.0017	.0010	-.0005	-.0017	-.0385
#2	.0003	-.0003	4.813	.0020	-.0016	.0013	.0005	.0020	-.0398

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0042**	**.0181**	**-.0022**	**.0012**	**-.0025**	**-.0001**	**.0001**	**-.0098**	**.0012**
Stddev	.0009	.0282	.0059	.0022	.0002	.0001	.0002	.0001	.0004
%RSD	20.48	155.6	265.4	185.6	8.903	125.2	183.4	1.070	29.56
#1	.0036	-.0018	.0019	-.0004	-.0024	-.0002	.0002	-.0099	.0014
#2	.0048	.0380	-.0064	.0027	-.0027	.0000	.0000	-.0098	.0009

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0006**	**.0011**	**-.0007**	**.0005**	**-.0010**
Stddev	.000	.0000	.0004	.0001	.0007	.0000	.0002
%RSD	163.2	24.34	61.88	7.878	91.62	2.201	21.85
#1	-.0001	.0002	.0004	.0012	-.0012	.0005	-.0012
#2	.0000	.0001	.0009	.0011	-.0003	.0004	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74158.**	**27738.**	**1109.0**	**3831.7**
Stddev	72.	80.	3.1	.2
%RSD	.09709	.28853	.28191	.00579
#1	74107.	27794.	1111.2	3831.8
#2	74209.	27681.	1106.8	3831.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 14:29:01 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**2.038**	**2.000**	**2.014**	**2.023**	**1.966**	**2.082**	**2.055**	**.2487**
Stddev	.002	.008	.006	.002	.014	.003	.010	.004	.0005
%RSD	.1078	.3908	.3177	.1028	.6880	.1552	.4595	.2004	.1920
#1	2.037	2.044	2.005	2.015	2.033	1.968	2.089	2.058	.2490
#2	2.033	2.033	1.996	2.012	2.013	1.964	2.075	2.052	.2484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**2.052**	**1.993**	**2.075**	**2.059**	**1.996**	**2.002**	**38.97**	**39.71**
Stddev	.005	.003	.001	.002	.002	.002	.003	.15	.16
%RSD	.2444	.1221	.0699	.1075	.0982	.1216	.1392	.3940	.4140
#1	2.037	2.054	1.994	2.077	2.060	1.994	2.000	39.08	39.83
#2	2.030	2.051	1.992	2.074	2.057	1.998	2.004	38.87	39.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.27**	**38.70**	**38.71**	**39.32**	**2.030**	**2.030**	**1.983**	**4.926**	**2.043**
Stddev	.20	.21	.31	.21	.002	.001	.007	.004	.000
%RSD	.4857	.5441	.8126	.5358	.1194	.0256	.3443	.0838	.0014
#1	40.41	38.85	38.93	39.47	2.032	2.031	1.987	4.929	2.043
#2	40.13	38.55	38.49	39.17	2.029	2.030	1.978	4.923	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 14:29:01 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.018**	**2.041**	**2.032**	**2.026**	**2.002**	**2.016**	**1.966**
Stddev	.017	.008	.006	.006	.000	.003	.012
%RSD	.8356	.3774	.3020	.3186	.0192	.1709	.6330
#1	2.030	2.047	2.037	2.031	2.002	2.018	1.975
#2	2.006	2.036	2.028	2.022	2.002	2.013	1.958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71133.**	**26976.**	**1083.5**	**3543.8**
Stddev	265.	54.	1.1	5.2
%RSD	.37211	.19956	.09762	.14793
#1	70945.	26938.	1082.7	3540.1
#2	71320.	27014.	1084.2	3547.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 14:34:59 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0002**	**-.0002**	**.0000**	**.0000**	**.0001**	**.0024**	**-.0004**
Stddev	.0001	.0000	.0001	.0001	.0002	.000	.0000	.0003	.0001
%RSD	265.8	15.42	80.48	52.10	3967.	1707.	6.486	12.71	17.25
#1	.0002	.0001	-.0002	-.0001	-.0002	.0002	.0001	.0026	-.0003
#2	.0000	.0001	-.0001	-.0003	.0002	-.0002	.0001	.0022	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	**.0010**	**.0013**	**-.0007**	**.0019**	**.0010**	**.0043**	**-.0012**
Stddev	.0002	.0001	.0009	.0021	.0002	.0009	.0007	.0096	.0002
%RSD	134.1	37.80	91.65	156.8	22.81	46.76	68.15	220.2	13.76
#1	.0002	-.0002	.0016	-.0001	-.0008	.0026	.0005	-.0024	-.0011
#2	.0000	-.0001	.0003	.0028	-.0006	.0013	.0015	.0111	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0128**	**-.0117**	**.0024**	**-.0007**	**.0005**	**-.0008**	**.0006**	**-.0009**
Stddev	.0007	.0108	.0250	.0002	.0009	.0000	.0004	.0006	.0006
%RSD	274.8	84.40	213.5	9.233	133.5	5.888	47.63	102.9	64.36
#1	.0007	.0052	.0060	.0025	.0000	.0005	-.0005	.0010	-.0005
#2	-.0002	.0204	-.0294	.0022	-.0014	.0005	-.0010	.0002	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 14:34:59 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**-.0002**	**.0000**	**-.0019**	**.0002**	**-.0007**
Stddev	.0000	.0002	.0005	.0001	.0030	.0001	.0003
%RSD	115.6	114.6	220.4	260.6	153.0	42.87	44.02
#1	.0000	.0003	.0001	.0001	.0002	.0002	-.0005
#2	.0000	.0000	-.0006	.0000	-.0040	.0001	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73792.**	**27505.**	**1091.3**	**3752.2**
Stddev	264.	11.	23.9	71.1
%RSD	.35713	.03928	2.1908	1.8948
#1	73979.	27498.	1074.4	3701.9
#2	73606.	27513.	1108.2	3802.5

Zoom In Zoom Out

Sample Name: crid Acquired: 7/14/2015 14:41:05 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0010**	**.0010**	**.0029**	**.0021**	**.0020**	**.0033**	F **.0070**
Stddev	.0001	.0001	.0002	.0001	.0001	.0001	.0001	.0000
%RSD	2.272	5.295	19.55	1.770	5.072	3.970	2.564	.0399
#1	.0039	.0011	.0012	.0028	.0020	.0021	.0033	.0070
#2	.0040	.0010	.0009	.0029	.0022	.0020	.0034	.0070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value								.0040
Range								30.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**.0021**	**.0116**	**.0027**	**.0021**	F **.0017**	F **.0066**	**.0032**
Stddev	.0001	.0004	.0005	.0006	.0003	.0002	.0019	.0005
%RSD	4.838	16.59	4.010	21.44	15.17	14.05	28.08	16.95
#1	.0018	.0024	.0112	.0023	.0019	.0016	.0053	.0028
#2	.0017	.0019	.0119	.0032	.0023	.0019	.0080	.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value						.0025	.0050	
Range						-30.00%	30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0954**	**.9620**	**.0000**	**.1042**	**1.743**	**.9183**	**.0089**	**-.0003**
Stddev	.0051	.0009	.0002	.0212	.001	.0015	.0008	.0003
%RSD	5.363	.0887	809.1	20.34	.0648	.1685	8.998	93.36
#1	.0990	.9614	.0002	.1191	1.744	.9172	.0095	-.0001
#2	.0918	.9626	-.0001	.0892	1.742	.9193	.0083	-.0005
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/14/2015 14:41:05 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0016**	**.0032**	**.0000**	**-.0001**	F **-.0001**	F **.0000**	F **.0000**
Stddev	.0007	.0002	.0010	.000	.0001	.0003	.0000	.001
%RSD	183.0	10.19	29.63	75.45	272.4	383.8	439.1	9341.
#1	.0009	.0017	.0026	.0000	.0000	-.0003	.0000	.0008
#2	-.0001	.0015	.0039	-.0001	-.0001	.0001	.0000	-.0009
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0014**	F **-.0013**
Stddev	.0019	.0002
%RSD	130.4	17.66
#1	-.0028	-.0011
#2	-.0001	-.0014
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73299.**	**27427.**	**1108.3**	**3798.8**
Stddev	143.	3.	.1	8.6
%RSD	.19514	.00939	.00808	.22528
#1	73198.	27429.	1108.3	3804.8
#2	73400.	27426.	1108.4	3792.7

Zoom In Zoom Out

Sample Name: mp87585-mb1conf Acquired: 7/14/2015 14:47:10 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**-.0003**	**-.0002**	**.0002**	**.0001**	**.0028**	**-.0002**
Stddev	.0001	.0000	.000	.0003	.0004	.0001	.0001	.0002	.0002
%RSD	98.57	288.2	1047.	137.0	211.5	37.87	137.2	5.820	145.8
#1	.0001	.0000	-.0001	.0000	-.0005	.0002	.0001	.0027	.0000
#2	.0000	.0000	.0001	-.0005	.0001	.0001	.0000	.0030	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0006**	**-.0008**	**.0008**	**-.0011**	**.0013**	**.0014**	**.0107**	**.0214**
Stddev	.0001	.0003	.0017	.0015	.0001	.0017	.0014	.0014	.0012
%RSD	390.3	45.63	206.2	188.4	7.828	130.9	97.59	12.77	5.583
#1	.0001	.0004	.0004	.0018	-.0011	.0001	.0004	.0117	.0206
#2	-.0001	.0008	-.0020	-.0003	-.0010	.0025	.0024	.0098	.0222

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0012**	**.0056**	**-.0348**	**.0095**	**.0001**	**-.0001**	**-.0006**	**.0118**	**.0018**
Stddev	.0006	.0066	.0191	.0018	.0001	.0001	.0003	.0002	.0007
%RSD	44.99	118.7	54.67	18.98	64.89	35.13	48.98	1.649	36.18
#1	-.0008	.0102	-.0214	.0107	.0001	-.0001	-.0008	.0119	.0014
#2	-.0016	.0009	-.0483	.0082	.0002	-.0002	-.0004	.0116	.0023

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0004**	**.0006**	**.0002**	**-.0042**	**-.0014**	**-.0005**
Stddev	.0000	.0002	.0010	.0002	.0018	.0004	.0002
%RSD	139.6	62.17	156.4	85.44	41.48	27.30	47.46
#1	.0000	-.0002	-.0001	.0003	-.0030	-.0017	-.0006
#2	.0000	-.0005	.0013	.0001	-.0055	-.0011	-.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73046.**	**27130.**	**1093.4**	**3779.4**
Stddev	196.	62.	.1	.4
%RSD	.26857	.22804	.01039	.01013
#1	73185.	27174.	1093.3	3779.2
#2	72907.	27086.	1093.5	3779.7

Zoom In Zoom Out

Sample Name: jb98414-7f 2 Acquired: 7/14/2015 14:53:13 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2242**	**.0011**	**.0009**	**.0021**	**-.0013**	**.0170**	**39.84**	**.0174**	**.0022**
Stddev	.0007	.0000	.0002	.0016	.0026	.0010	.18	.0011	.0011
%RSD	.2955	2.511	21.52	75.00	201.9	5.683	.4537	6.461	49.09
#1	.2247	.0010	.0010	.0010	.0005	.0163	39.71	.0182	.0029
#2	.2238	.0011	.0008	.0033	-.0031	.0177	39.97	.0166	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0013**	**.0021**	**.0032**	**.0085**	**-.0042**	**-.0102**	**.0023**	**.1388**	**56.59**
Stddev	.0003	.0014	.0039	.0014	.0001	.0077	.0013	.0277	.18
%RSD	21.10	66.07	123.5	16.13	2.174	75.85	55.42	19.93	.3210
#1	.0011	.0011	.0004	.0095	-.0042	-.0047	.0032	.1193	56.72
#2	.0015	.0031	.0060	.0076	-.0043	-.0156	.0014	.1584	56.46

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**33.44**	**26.94**	**2.093**	**34.87**	**-.0048**	**-.0009**	**.0032**	**5.814**	**-.0011**
Stddev	.07	.41	.182	.03	.0040	.0002	.0036	.007	.0009
%RSD	.2071	1.512	8.691	.0748	83.61	17.84	111.7	.1184	78.12
#1	33.49	27.23	1.964	34.88	-.0020	-.0010	.0007	5.819	-.0005
#2	33.39	26.65	2.221	34.85	-.0076	-.0008	.0057	5.809	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1257**	**-.0006**	**.0064**	**-.0030**	**30.73**	**.0009**	**.0011**
Stddev	.0002	.0013	.0003	.0002	.00	.0025	.0002
%RSD	.1394	208.1	5.078	6.369	.0077	264.1	16.05
#1	.1256	.0003	.0066	-.0031	30.72	.0027	.0012
#2	.1258	-.0015	.0061	-.0028	30.73	-.0008	.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71973.**	**27053.**	**1083.1**	**3713.5**
Stddev	76.	65.	1.0	2.2
%RSD	.10543	.23933	.08832	.05877
#1	72027.	27007.	1082.4	3715.1
#2	71919.	27098.	1083.8	3712.0

Zoom In Zoom Out

Sample Name: jb98414-8f Acquired: 7/14/2015 14:59:20 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2037**	**.0009**	**.0014**	**.0313**	**-.0028**	**.0126**	**28.12**	**.0128**	**.0016**
Stddev	.0010	.0001	.0004	.0013	.0004	.0002	.19	.0003	.0008
%RSD	.4694	11.25	25.27	4.011	15.13	1.371	.6669	2.493	46.04
#1	.2043	.0008	.0016	.0304	-.0025	.0125	27.99	.0125	.0022
#2	.2030	.0009	.0011	.0322	-.0031	.0127	28.25	.0130	.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0331**	**.0034**	**.0043**	**.0536**	**-.0043**	**.0064**	**.1136**	**60.72**
Stddev	.0010	.0009	.0033	.0020	.0031	.0061	.0041	.0176	.39
%RSD	754.4	2.600	97.76	47.40	5.703	140.7	64.42	15.49	.6367
#1	-.0006	.0337	.0010	.0029	.0558	.0000	.0094	.1260	60.45
#2	.0008	.0325	.0057	.0057	.0514	-.0086	.0035	.1011	60.99

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.44**	**35.06**	**4.449**	**205.6**	**-.0028**	**-.0011**	**-.0008**	**7.641**	**.0011**
Stddev	.05	.09	.003	1.7	.0036	.0002	.0009	.016	.0005
%RSD	.2507	.2601	.0728	.8211	130.0	14.96	117.4	.2135	49.87
#1	19.48	35.13	4.452	206.8	-.0054	-.0010	-.0014	7.652	.0007
#2	19.41	35.00	4.447	204.4	-.0002	-.0013	-.0001	7.629	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2981**	**-.0011**	**.0063**	**-.0024**	**22.02**	**-.0025**	**.0032**
Stddev	.0009	.0016	.0018	.0000	.06	.0014	.0004
%RSD	.3003	146.5	29.25	.8946	.2603	56.39	12.90
#1	.2988	-.0022	.0076	-.0024	22.06	-.0015	.0029
#2	.2975	.0000	.0050	-.0024	21.98	-.0035	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70387.**	**27056.**	**1060.1**	**3564.5**
Stddev	1.	74.	1.5	.9
%RSD	.00208	.27258	.13893	.02636
#1	70388.	27108.	1059.0	3565.2
#2	70386.	27003.	1061.1	3563.9

Zoom In Zoom Out

Sample Name: jb98414-10f Acquired: 7/14/2015 15:05:26 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2785**	**.0008**	**.0004**	**.0671**	**-.0014**	**.0100**	**24.50**	**.0118**	**.0017**
Stddev	.0020	.0000	.0011	.0003	.0005	.0002	.17	.0017	.0003
%RSD	.7242	.6278	288.7	.5128	31.77	1.536	.6777	14.44	16.44
#1	.2800	.0008	.0012	.0668	-.0017	.0099	24.62	.0130	.0019
#2	.2771	.0008	-.0004	.0673	-.0011	.0101	24.38	.0106	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0079**	**.0026**	**.0035**	**.0051**	**-.0039**	**.0026**	**.0671**	**26.69**
Stddev	.0005	.0008	.0009	.0007	.0007	.0012	.0019	.0135	.21
%RSD	272.4	10.34	34.48	20.95	12.80	31.29	70.94	20.15	.7883
#1	.0002	.0073	.0020	.0030	.0056	-.0047	.0013	.0766	26.54
#2	-.0005	.0085	.0032	.0040	.0046	-.0030	.0040	.0575	26.84

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**8.513**	**19.51**	**.8869**	**63.30**	**-.0035**	**-.0014**	**.0010**	**4.872**	**.0017**
Stddev	.012	.10	.0169	.60	.0018	.0012	.0018	.001	.0017
%RSD	.1356	.5246	1.902	.9537	51.21	85.72	177.1	.0181	95.75
#1	8.505	19.44	.8750	63.73	-.0022	-.0022	-.0003	4.871	.0029
#2	8.521	19.58	.8988	62.87	-.0048	-.0005	.0023	4.873	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1629**	**-.0006**	**.0038**	**-.0012**	**7.651**	**-.0002**	**.0008**
Stddev	.0006	.0005	.0012	.0004	.006	.0019	.0025
%RSD	.3709	94.17	32.13	31.80	.0750	871.2	303.5
#1	.1633	-.0010	.0047	-.0009	7.655	-.0015	.0026
#2	.1624	-.0002	.0029	-.0014	7.647	.0011	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71887.**	**27205.**	**1079.4**	**3680.2**
Stddev	298.	21.	1.8	1.6
%RSD	.41419	.07674	.16408	.04255
#1	71677.	27191.	1078.1	3679.1
#2	72098.	27220.	1080.6	3681.3

Zoom In Zoom Out

Sample Name: jb98414-11f Acquired: 7/14/2015 15:11:33 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2515**	**.0008**	**.0016**	**.2189**	**-.0016**	**.0120**	**26.99**	**.0474**	**.0095**
Stddev	.0014	.0002	.0002	.0001	.0007	.0001	.10	.0003	.0008
%RSD	.5589	25.17	10.77	.0639	44.96	1.188	.3749	.7188	8.175
#1	.2505	.0010	.0015	.2190	-.0011	.0121	26.92	.0472	.0101
#2	.2525	.0007	.0017	.2188	-.0021	.0119	27.06	.0476	.0090

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0308**	**.0074**	**.0005**	**.0556**	**-.0087**	**.0047**	**.0593**	**35.42**
Stddev	.0002	.0018	.0022	.0041	.0003	.0056	.0008	.0025	.07
%RSD	30.26	5.895	29.58	905.5	.5218	64.63	17.14	4.287	.1931
#1	.0008	.0320	.0089	-.0025	.0558	-.0047	.0053	.0611	35.47
#2	.0005	.0295	.0059	.0034	.0554	-.0127	.0042	.0575	35.37

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.16**	**39.59**	**1.142**	**101.1**	**.0326**	**-.0012**	**.0031**	**3.848**	**-.0007**
Stddev	.03	.09	.065	.4	.0004	.0002	.0031	.006	.0049
%RSD	.1671	.2329	5.673	.3922	1.148	15.42	97.70	.1648	747.7
#1	19.18	39.66	1.188	100.8	.0329	-.0014	.0010	3.843	.0028
#2	19.14	39.53	1.096	101.4	.0323	-.0011	.0053	3.852	-.0042

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2768**	**.0006**	**.0068**	**-.0021**	**22.28**	**.0009**	**.0023**
Stddev	.0009	.0009	.0025	.0000	.12	.0016	.0024
%RSD	.3082	154.5	37.12	1.901	.5534	188.0	104.0
#1	.2762	-.0001	.0086	-.0021	22.19	.0020	.0039
#2	.2774	.0012	.0050	-.0021	22.36	-.0003	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	71592.	27080.	1079.5	3642.6
Stddev	182.	94.	1.9	5.3
%RSD	.25473	.34732	.17840	.14683
#1	71463.	27146.	1080.9	3646.4
#2	71721.	27013.	1078.2	3638.8

Zoom In Zoom Out

Sample Name: jb98414-12f Acquired: 7/14/2015 15:17:40 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3943**	**.0009**	**.0007**	**.0722**	**-.0020**	**.0092**	**21.15**	**.0212**	**.0010**
Stddev	.0009	.0001	.0005	.0013	.0012	.0006	.09	.0007	.0010
%RSD	.2305	12.09	66.68	1.791	62.51	6.766	.4024	3.147	99.92
#1	.3950	.0008	.0011	.0712	-.0029	.0096	21.21	.0207	.0017
#2	.3937	.0010	.0004	.0731	-.0011	.0088	21.09	.0216	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0019**	**.0431**	**.0019**	**.0058**	**.0023**	**-.0033**	**.0031**	**.1996**	**81.97**
Stddev	.0004	.0002	.0032	.0009	.0045	.0008	.0009	.0196	.12
%RSD	21.96	.5459	172.5	16.05	193.0	24.79	28.21	9.806	.1436
#1	.0021	.0430	.0042	.0051	-.0008	-.0027	.0037	.1857	81.89
#2	.0016	.0433	-.0004	.0065	.0055	-.0039	.0025	.2134	82.05

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**31.07**	**84.03**	**3.701**	**300.8**	**.0268**	**-.0017**	**-.0004**	**5.215**	**-.0019**
Stddev	.07	.01	.009	.5	.0008	.0001	.0029	.007	.0019
%RSD	.2402	.0126	.2508	.1654	2.877	3.743	672.7	.1352	101.2
#1	31.12	84.02	3.694	301.2	.0262	-.0017	-.0025	5.220	-.0005
#2	31.02	84.04	3.707	300.5	.0273	-.0016	.0016	5.210	-.0032

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5338**	**-.0022**	**.0054**	**-.0031**	**24.98**	**.0028**	**.0043**
Stddev	.0015	.0006	.0018	.0004	.02	.0028	.0006
%RSD	.2850	27.86	33.46	13.35	.0986	99.38	14.62
#1	.5349	-.0027	.0067	-.0028	25.00	.0008	.0039
#2	.5327	-.0018	.0041	-.0034	24.96	.0048	.0048

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	70245.	27200.	1064.4	3499.2
Stddev	213.	5.	.9	3.9
%RSD	.30363	.01964	.08033	.11214
#1	70094.	27204.	1063.8	3501.9
#2	70396.	27196.	1065.0	3496.4

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 7/14/2015 15:23:52 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0001**	**.0000**	**-.0003**	**-.0006**	**.0076**	**.0003**	**.0028**	**-.0003**
Stddev	.0001	.0000	.000	.0001	.0002	.0004	.0000	.0000	.0002
%RSD	167.5	.5707	7251.	50.20	32.87	5.532	10.65	.7035	69.85
#1	.0000	.0001	.0000	-.0002	-.0007	.0073	.0003	.0028	-.0001
#2	.0002	.0001	.0000	-.0004	-.0004	.0079	.0004	.0028	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0113**	**-.0004**	**.0082**	**-.0013**	**.0012**	**.0009**	**.0018**	**.2313**
Stddev	.0003	.0001	.0004	.0005	.0007	.0013	.0000	.0016	.0009
%RSD	197.1	1.294	101.0	6.029	54.90	112.3	5.151	89.87	.3981
#1	-.0001	.0114	-.0007	.0085	-.0018	.0002	.0009	.0007	.2307
#2	.0004	.0112	-.0001	.0078	-.0008	.0021	.0009	.0029	.2320

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0597**	**.0267**	**-.0024**	**.1229**	**-.0025**	**-.0003**	**.0000**	**.0056**	**.0217**
Stddev	.0000	.0132	.0041	.0015	.0001	.0001	.000	.0059	.0003
%RSD	.0422	49.20	167.8	1.197	5.236	24.96	1286.	105.4	1.191
#1	.0597	.0360	-.0053	.1240	-.0024	-.0002	-.0003	.0098	.0215
#2	.0597	.0174	.0005	.1219	-.0026	-.0003	.0002	.0014	.0219

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**-.0002**	**-.0002**	**.2656**	**-.0003**	**.0094**
Stddev	.0001	.000	.0007	.0001	.0003	.0006	.0011
%RSD	416.9	173.6	304.4	44.81	.0979	183.7	11.45
#1	.0000	-.0001	-.0008	-.0001	.2654	-.0007	.0102
#2	.0000	.0000	.0003	-.0002	.2658	.0001	.0086

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	73521.	27276.	1111.9	3803.4
Stddev	293.	92.	1.8	2.6
%RSD	.39904	.33813	.15881	.06863
#1	73728.	27211.	1110.6	3805.3
#2	73314.	27341.	1113.1	3801.6

Zoom In Zoom Out

Sample Name: mdl-lodsoil-b1conf Acquired: 7/14/2015 15:29:53 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.989**	**1.975**	**1.942**	**1.952**	**1.981**	**1.904**	**2.043**	**2.012**	**.2420**
Stddev	.001	.008	.002	.003	.004	.004	.003	.005	.0005
%RSD	.0255	.3824	.1075	.1565	.2061	.1847	.1434	.2525	.2215
#1	1.990	1.980	1.940	1.950	1.979	1.906	2.041	2.008	.2424
#2	1.989	1.970	1.943	1.955	1.984	1.901	2.045	2.015	.2416

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.984**	**2.010**	**1.926**	**2.026**	**2.016**	**1.944**	**1.926**	**23.59**	**24.23**
Stddev	.001	.000	.002	.000	.004	.000	.004	.05	.14
%RSD	.0233	.0052	.1135	.0040	.1993	.0188	.1926	.2111	.5855
#1	1.984	2.010	1.927	2.026	2.013	1.944	1.929	23.62	24.33
#2	1.983	2.010	1.924	2.025	2.018	1.944	1.924	23.55	24.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.83**	**23.60**	**23.18**	**23.84**	**1.987**	**1.969**	**1.925**	**4.853**	**1.989**
Stddev	.07	.07	.01	.02	.001	.002	.007	.001	.003
%RSD	.2787	.3008	.0232	.0660	.0333	.1162	.3509	.0249	.1408
#1	24.88	23.65	23.18	23.83	1.986	1.968	1.930	4.852	1.987
#2	24.78	23.55	23.18	23.85	1.987	1.971	1.920	4.854	1.991

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.985**	**1.989**	**1.948**	**1.953**	**1.985**	**1.996**	**1.894**
Stddev	.009	.001	.001	.001	.006	.002	.003
%RSD	.4516	.0532	.0511	.0482	.3266	.1033	.1310
#1	1.992	1.988	1.947	1.954	1.980	1.995	1.892
#2	1.979	1.990	1.949	1.952	1.989	1.998	1.896

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	71122.	26738.	1091.1	3596.8
Stddev	30.	43.	1.2	5.9
%RSD	.04181	.16088	.10743	.16536
#1	71143.	26708.	1090.3	3601.0
#2	71101.	26769.	1091.9	3592.5

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 15:35:49 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.054**	**2.025**	**1.995**	**2.010**	**2.014**	**1.966**	**2.068**	**2.066**	**.2510**
Stddev	.001	.002	.002	.002	.007	.002	.004	.005	.0003
%RSD	.0439	.1140	.0984	.1042	.3443	.0859	.1996	.2330	.1149
#1	2.055	2.026	1.993	2.009	2.010	1.967	2.065	2.063	.2512
#2	2.053	2.023	1.996	2.012	2.019	1.965	2.070	2.070	.2507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.020**	**2.047**	**1.989**	**2.050**	**2.065**	**1.990**	**1.993**	**39.19**	**39.79**
Stddev	.002	.001	.001	.004	.003	.005	.000	.06	.00
%RSD	.1080	.0668	.0607	.1783	.1489	.2656	.0047	.1405	.0036
#1	2.018	2.046	1.989	2.048	2.063	1.987	1.993	39.15	39.79
#2	2.022	2.048	1.990	2.053	2.067	1.994	1.993	39.23	39.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.90**	**39.09**	**38.31**	**39.17**	**2.029**	**2.031**	**1.993**	**4.917**	**2.042**
Stddev	.04	.03	.03	.12	.002	.001	.000	.002	.002
%RSD	.0863	.0850	.0868	.3157	.0908	.0226	.0165	.0477	.0822
#1	40.93	39.07	38.28	39.08	2.028	2.031	1.993	4.915	2.041
#2	40.88	39.11	38.33	39.25	2.030	2.032	1.993	4.918	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 15:35:49 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.055**	**2.045**	**2.038**	**2.019**	**2.024**	**2.020**	**1.953**
Stddev	.003	.003	.011	.003	.008	.001	.005
%RSD	.1290	.1413	.5583	.1560	.3863	.0398	.2505
#1	2.053	2.043	2.030	2.021	2.018	2.020	1.950
#2	2.057	2.047	2.046	2.017	2.029	2.019	1.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70523.**	**26482.**	**1082.9**	**3522.2**
Stddev	147.	50.	.8	3.1
%RSD	.20857	.19021	.07183	.08698
#1	70419.	26517.	1083.5	3524.4
#2	70627.	26446.	1082.4	3520.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 15:41:46 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0001**	**.0002**	**.0001**	**.0002**	**.0001**	W **.0031**
Stddev	.0001	.0000	.0001	.0002	.0002	.0000	.0000	.0002
%RSD	32.28	56.11	116.9	119.8	286.1	4.468	18.40	5.763
#1	.0003	.0001	.0002	.0003	-.0001	.0002	.0001	.0030
#2	.0002	.0000	.0000	.0000	.0002	.0002	.0001	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0031
Low Limit								-.0031

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0003**	**-.0003**	**.0004**	**-.0010**	**-.0006**	**.0022**	**.0008**
Stddev	.0001	.0000	.0001	.0011	.0005	.0011	.0023	.0002
%RSD	25.87	1.803	51.34	285.3	53.58	183.9	107.0	22.79
#1	-.0005	.0003	-.0004	.0011	-.0013	-.0014	.0005	.0007
#2	-.0003	.0002	-.0002	-.0004	-.0006	.0002	.0038	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0022**	**.0008**	**.0008**	**.0155**	**-.0028**	**.0092**	**.0008**	**.0005**
Stddev	.0107	.0005	.0006	.0053	.0241	.0040	.0006	.0004
%RSD	478.4	60.17	78.88	34.38	875.3	43.84	80.13	69.11
#1	-.0098	.0011	.0003	.0117	.0143	.0120	.0013	.0003
#2	.0053	.0005	.0012	.0192	-.0198	.0063	.0003	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 15:41:46 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0004**	**.0006**	**.0000**	**.0002**	**.0007**	**.0001**	**-.0023**
Stddev	.0004	.0013	.0008	.0000	.0001	.0005	.0001	.0025
%RSD	12350.	316.5	126.5	20.38	58.69	69.54	233.6	107.4
#1	.0003	.0013	.0011	.0000	.0003	.0010	.0002	-.0041
#2	-.0003	-.0005	.0001	.0000	.0001	.0004	.0000	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0002**	**.0000**
Stddev	.0007	.000
%RSD	289.5	332.4
#1	-.0007	-.0001
#2	.0002	.0000
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73093.**	**27319.**	**1109.8**	**3795.8**
Stddev	128.	23.	.9	3.5
%RSD	.17569	.08447	.07910	.09292
#1	73184.	27303.	1110.4	3798.3
#2	73002.	27336.	1109.2	3793.3

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 7/14/2015 15:47:53 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0010**	**.0022**	**-.0001**	**.0001**	**.0006**	**.0001**	**.0030**	**-.0004**
Stddev	.000	.0000	.0001	.0001	.0002	.0009	.0001	.0002	.0001
%RSD	34.70	.5519	4.207	57.87	164.2	150.1	87.76	7.526	17.91
#1	.0000	.0010	.0022	-.0002	.0003	.0012	.0000	.0032	-.0003
#2	.0000	.0011	.0021	-.0001	.0000	.0000	.0001	.0028	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0002**	**.0003**	**.0026**	**.0027**	**.0028**	**.0009**	**.0056**	**-.0012**	**.0030**
Stddev	.0002	.0001	.0002	.0001	.0001	.0013	.0007	.0010	.0014
%RSD	96.95	31.91	9.204	2.845	5.309	135.6	12.22	83.26	46.78
#1	-.0001	.0002	.0024	.0027	.0027	.0018	.0060	-.0005	.0040
#2	-.0004	.0004	.0028	.0026	.0029	.0000	.0051	-.0019	.0020

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0008**	**.0110**	**-.0143**	**.0035**	**-.0007**	**.0002**	**-.0003**	**.0044**	**.0007**
Stddev	.0019	.0044	.0051	.0027	.0007	.0004	.0006	.0015	.0004
%RSD	228.1	39.59	35.49	77.14	107.7	175.6	221.6	33.47	60.45
#1	.0005	.0141	-.0107	.0054	-.0011	.0005	.0002	.0054	.0004
#2	-.0022	.0079	-.0179	.0016	-.0002	-.0001	-.0008	.0033	.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0001**	**.0009**	**.0000**	**-.0015**	**.0003**	**-.0007**
Stddev	.000	.0001	.0004	.000	.0006	.0004	.0006
%RSD	74.54	243.1	42.35	19.25	39.62	131.6	86.35
#1	.0000	.0000	.0011	-.0001	-.0019	.0000	-.0003
#2	-.0001	.0002	.0006	.0000	-.0011	.0006	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69413.**	**27446.**	**1110.9**	**3805.6**
Stddev	5221.	18.	.5	2.8
%RSD	7.5216	.06531	.04068	.07329
#1	65721.	27458.	1111.3	3807.5
#2	73104.	27433.	1110.6	3803.6

Zoom In Zoom Out

Sample Name: sampleconf Acquired: 7/14/2015 15:55:47 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0133**	**.0012**	**.0025**	**.0023**	**.0064**	**.0095**	**.0029**	**.0084**	**.0046**
Stddev	.0001	.0000	.0002	.0002	.0005	.0000	.0000	.0003	.0002
%RSD	.6106	1.580	6.277	9.391	7.310	.3629	1.028	3.161	3.676
#1	.0133	.0012	.0023	.0021	.0067	.0095	.0028	.0082	.0047
#2	.0132	.0012	.0026	.0024	.0060	.0095	.0029	.0086	.0045

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0049**	**.0185**	**.0072**	**.0031**	**.0048**	**.0063**	**.0075**	**.1275**	**.5193**
Stddev	.0001	.0000	.0004	.0013	.0008	.0003	.0006	.0000	.0017
%RSD	1.929	.2170	5.003	41.06	16.41	4.507	8.376	.0062	.3230
#1	.0050	.0185	.0069	.0022	.0042	.0061	.0071	.1275	.5205
#2	.0048	.0185	.0074	.0040	.0054	.0065	.0080	.1275	.5181

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0687**	**.1433**	**.5591**	**.1656**	**.0248**	**.0065**	**.0116**	**.0159**	**.0307**
Stddev	.0022	.0201	.0246	.0066	.0005	.0001	.0000	.0005	.0001
%RSD	3.231	14.00	4.405	4.010	2.098	2.163	.3342	3.353	.3014
#1	.0671	.1575	.5765	.1609	.0244	.0064	.0115	.0163	.0308
#2	.0703	.1291	.5417	.1703	.0251	.0066	.0116	.0155	.0307

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0027**	**.0054**	**.0576**	**.0080**	**.0372**	**.0107**	**.0120**
Stddev	.0000	.0005	.0005	.0000	.0024	.0004	.0003
%RSD	1.047	9.746	.9520	.2166	6.344	3.740	2.375
#1	.0027	.0058	.0580	.0080	.0389	.0105	.0118
#2	.0027	.0050	.0572	.0079	.0356	.0110	.0122

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71910.**	**26755.**	**1097.5**	**3752.0**
Stddev	17.	46.	.2	2.5
%RSD	.02320	.17153	.01890	.06548
#1	71922.	26722.	1097.3	3750.3
#2	71898.	26787.	1097.6	3753.8

Zoom In Zoom Out

Sample Name: mdl-lodsoil-1conf Acquired: 7/14/2015 16:01:55 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0134**	**.0012**	**.0027**	**.0023**	**.0069**	**.0090**	**.0028**	**.0078**	**.0049**
Stddev	.0000	.0000	.0001	.0000	.0005	.0002	.0000	.0002	.0003
%RSD	.1330	3.670	4.862	.1052	6.520	2.342	.4479	2.005	6.181
#1	.0134	.0013	.0026	.0023	.0072	.0089	.0028	.0079	.0047
#2	.0134	.0012	.0028	.0023	.0066	.0092	.0028	.0077	.0051

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0053**	**.0185**	**.0062**	**.0038**	**.0060**	**.0063**	**.0071**	**.1234**	**.5172**
Stddev	.0001	.0000	.0004	.0001	.0008	.0019	.0002	.0043	.0040
%RSD	1.052	.1313	6.720	1.746	12.82	29.59	2.343	3.512	.7719
#1	.0053	.0185	.0065	.0039	.0054	.0076	.0073	.1264	.5201
#2	.0054	.0185	.0059	.0038	.0065	.0050	.0070	.1203	.5144

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0669**	**.1368**	**.5462**	**.1585**	**.0240**	**.0063**	**.0115**	**.0176**	**.0318**
Stddev	.0019	.0014	.0020	.0001	.0002	.0001	.0021	.0014	.0011
%RSD	2.911	1.046	.3653	.0610	.6448	.9943	18.34	8.132	3.323
#1	.0655	.1378	.5448	.1586	.0238	.0063	.0100	.0166	.0326
#2	.0683	.1358	.5476	.1585	.0241	.0064	.0130	.0186	.0311

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0026**	**.0054**	**.0584**	**.0094**	**.0359**	**.0109**	**.0123**
Stddev	.0000	.0001	.0004	.0001	.0029	.0001	.0004
%RSD	1.683	1.553	.6919	1.426	8.151	1.326	3.274
#1	.0027	.0055	.0587	.0093	.0339	.0110	.0120
#2	.0026	.0054	.0581	.0095	.0380	.0108	.0126

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72783.**	**27010.**	**1091.6**	**3754.4**
Stddev	45.	63.	.1	2.2
%RSD	.06189	.23174	.01005	.05884
#1	72751.	26965.	1091.6	3755.9
#2	72814.	27054.	1091.5	3752.8

Zoom In Zoom Out

Sample Name: mdllodsoil-mb1conf Acquired: 7/14/2015 16:07:58 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: soillod

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**-.0001**	**-.0001**	**.0000**	**.0001**	**-.0001**	**.0000**	**.0018**	**-.0001**
Stddev	.0001	.0000	.0001	.000	.0003	.0000	.0000	.0003	.0000
%RSD	43.42	11.86	80.86	471.9	365.3	55.08	21.70	16.78	38.87
#1	-.0002	-.0001	-.0002	-.0001	.0003	.0000	.0000	.0020	-.0001
#2	-.0001	-.0001	-.0001	.0001	-.0001	-.0001	.0000	.0015	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**-.0003**	**.0006**	**.0005**	**-.0008**	**.0013**	**.0003**	**-.0076**	**-.0021**
Stddev	.0001	.0004	.0003	.0001	.0001	.0006	.0001	.0024	.0010
%RSD	233.2	124.1	45.51	25.46	14.16	48.09	19.63	31.23	46.75
#1	.0001	.0000	.0004	.0006	-.0007	.0009	.0002	-.0059	-.0014
#2	.0000	-.0006	.0008	.0004	-.0008	.0017	.0003	-.0093	-.0027

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0012**	**-.0004**	**-.0035**	**-.0025**	**-.0020**	**-.0003**	**-.0008**	**.0001**	**.0005**
Stddev	.0005	.0167	.0109	.0004	.0009	.0000	.0007	.0013	.0011
%RSD	40.68	4586.	314.6	17.48	46.14	11.10	91.31	1145.	200.9
#1	-.0009	.0114	-.0112	-.0021	-.0013	-.0003	-.0003	-.0008	-.0002
#2	-.0016	-.0122	.0042	-.0028	-.0027	-.0003	-.0013	.0010	.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**.0006**	**.0007**	**.0013**	**-.0004**	**.0000**
Stddev	.000	.0004	.0001	.0001	.0010	.0005	.0002
%RSD	40.90	153.6	9.196	18.82	71.65	123.7	2428.
#1	.0000	.0000	.0006	.0006	.0020	-.0007	.0002
#2	.0000	.0005	.0007	.0008	.0007	.0000	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73640.**	**27580.**	**1113.3**	**3805.4**
Stddev	47.	117.	2.2	6.0
%RSD	.06430	.42305	.19374	.15875
#1	73674.	27662.	1114.8	3809.7
#2	73607.	27497.	1111.8	3801.1

Zoom In Zoom Out

Sample Name: LRCONF Acquired: 7/14/2015 16:15:04 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**25.83**	**11.24**	**5.567**	**11.87**	**12.06**	**25.44**	**4.857**	**12.09**	**.9287**
Stddev	.16	.07	.163	.28	.07	.11	.038	.28	.0038
%RSD	.6328	.6019	2.918	2.336	.6147	.4250	.7800	2.301	.4044
#1	25.94	11.29	5.452	11.68	12.11	25.52	4.884	11.89	.9314
#2	25.71	11.19	5.682	12.07	12.01	25.37	4.830	12.29	.9261

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**24.20**	**23.89**	**5.334**	**11.55**	**12.26**	**13.65**	**13.76**	**521.9**	**244.3**
Stddev	.27	.75	.172	.19	.26	.41	.42	1.6	.5
%RSD	1.134	3.133	3.230	1.631	2.114	2.991	3.038	.3004	.2186
#1	24.39	23.36	5.212	11.41	12.08	13.36	13.46	523.0	244.7
#2	24.00	24.42	5.456	11.68	12.45	13.94	14.05	520.8	243.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**224.7**	**545.2**	**213.0**	**208.5**	**25.06**	**24.38**	**13.87**	**25.09**	**12.43**
Stddev	2.1	.3	.8	.5	.73	.74	.02	.75	.40
%RSD	.9457	.0545	.3641	.2279	2.902	3.051	.1361	2.983	3.251
#1	223.2	545.4	212.4	208.8	24.55	23.85	13.88	24.56	12.14
#2	226.2	545.0	213.5	208.2	25.58	24.90	13.86	25.62	12.71

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**12.69**	**24.27**	**5.107**	**24.46**	**53.50**	**11.84**	**25.52**
Stddev	.08	.19	.148	.06	1.55	.34	.54
%RSD	.6163	.7913	2.902	.2312	2.900	2.862	2.124
#1	12.75	24.40	5.002	24.50	52.40	11.60	25.90
#2	12.64	24.13	5.212	24.42	54.60	12.08	25.13

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**64163.**	**25378.**	**938.38**	**3127.9**
Stddev	330.	64.	23.78	58.6
%RSD	.51455	.25144	2.5341	1.8734
#1	63930.	25333.	955.19	3169.3
#2	64397.	25423.	921.56	3086.4

Zoom In Zoom Out

Sample Name: jb98414-13f 2 Acquired: 7/14/2015 16:22:02 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1288**	**.0019**	**.0021**	**.0585**	**-.0049**	**.0239**	F **55.55**	**.0111**	**.0021**
Stddev	.0010	.0001	.0007	.0005	.0017	.0013	.01	.0001	.0004
%RSD	.7884	4.565	34.33	.8729	35.50	5.426	.0099	1.299	18.17
#1	.1281	.0019	.0026	.0589	-.0061	.0248	55.55	.0112	.0024
#2	.1295	.0020	.0016	.0581	-.0037	.0230	55.55	.0110	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0017**	**.0099**	**.0093**	**.0100**	**.0168**	**-.0117**	**.0123**	**.0672**	**39.75**
Stddev	.0011	.0011	.0012	.0040	.0010	.0070	.0004	.0091	.01
%RSD	60.35	10.79	12.90	39.74	5.748	59.78	3.326	13.59	.0339
#1	-.0010	.0106	.0084	.0072	.0161	-.0167	.0120	.0736	39.74
#2	-.0025	.0091	.0101	.0129	.0175	-.0068	.0126	.0607	39.76

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**19.98**	**48.68**	**.7651**	**31.21**	**.1200**	**.0183**	**.0007**	**3.922**	**.0077**
Stddev	.04	.12	.0266	.07	.0089	.0042	.0022	.014	.0053
%RSD	.1876	.2381	3.474	.2317	7.438	22.73	332.4	.3553	69.30
#1	20.01	48.60	.7463	31.26	.1263	.0213	-.0009	3.913	.0039
#2	19.96	48.77	.7839	31.16	.1137	.0154	.0022	3.932	.0115

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1221**	**.0021**	**.0494**	**.0240**	**34.44**	**-.0024**	**.0292**
Stddev	.0004	.0017	.0021	.0009	.05	.0050	.0014
%RSD	.3650	83.93	4.160	3.777	.1348	206.9	4.755
#1	.1218	.0008	.0508	.0246	34.41	.0011	.0302
#2	.1225	.0033	.0479	.0233	34.47	-.0060	.0282

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72550.**	**27289.**	**1084.1**	**3717.0**
Stddev	233.	41.	1.2	6.1
%RSD	.32125	.14969	.10833	.16431
#1	72385.	27318.	1084.9	3721.4
#2	72715.	27260.	1083.3	3712.7

Zoom In Zoom Out

Sample Name: mp87405-MB1CONF Acquired: 7/14/2015 16:35:05 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0001**	**.0000**	**-.0001**	**.0004**	**.0003**	**.0006**	**.0025**	**-.0004**
Stddev	.0000	.0000	.0002	.0003	.0002	.0002	.0000	.0001	.0000
%RSD	5.278	42.49	367.7	224.2	40.54	66.87	2.104	4.705	4.582
#1	.0005	.0001	.0002	.0001	.0005	.0002	.0007	.0024	-.0004
#2	.0005	.0001	-.0001	-.0004	.0003	.0005	.0006	.0026	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0024**	**.0003**	**.0012**	**-.0006**	**.0010**	**.0005**	**.0569**	**.1293**
Stddev	.0003	.0000	.0016	.0004	.0003	.0012	.0013	.0030	.0001
%RSD	130.7	.5544	512.2	38.14	48.25	119.0	294.0	5.313	.0812
#1	.0005	.0024	.0014	.0015	-.0004	.0002	-.0005	.0547	.1294
#2	.0000	.0024	-.0008	.0009	-.0008	.0019	.0014	.0590	.1292

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0141**	**.0274**	**.0093**	**.0077**	**.0144**	**.0002**	**.0001**	**.0417**	**.0166**
Stddev	.0003	.0037	.0189	.0036	.0010	.0000	.0006	.0006	.0010
%RSD	1.851	13.47	204.1	47.20	6.589	9.545	428.1	1.473	6.057
#1	.0143	.0248	.0226	.0102	.0151	.0002	.0005	.0413	.0174
#2	.0139	.0300	-.0041	.0051	.0138	.0002	-.0003	.0421	.0159

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0008**	**.0005**	**.0020**	**.0031**	**.0078**	**.0002**	**.0001**
Stddev	.0001	.0000	.0006	.0002	.0028	.0003	.0007
%RSD	7.420	3.025	30.39	7.983	35.96	171.9	729.4
#1	.0008	.0005	.0024	.0033	.0098	.0000	-.0004
#2	.0009	.0005	.0016	.0029	.0058	.0004	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74056.**	**27625.**	**1098.8**	**3812.8**
Stddev	206.	61.	1.8	8.2
%RSD	.27822	.21988	.16012	.21546
#1	74202.	27582.	1100.1	3818.6
#2	73911.	27668.	1097.6	3807.0

Zoom In Zoom Out

Sample Name: mp87405-B1CONF Acquired: 7/14/2015 16:41:10 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.985**	**1.981**	**1.943**	**1.961**	**1.982**	**1.904**	**2.026**	**2.009**	**.2408**
Stddev	.000	.005	.004	.006	.002	.002	.009	.004	.0008
%RSD	.0098	.2532	.1872	.3260	.1079	.0961	.4545	.1814	.3211
#1	1.985	1.985	1.941	1.957	1.981	1.903	2.019	2.006	.2402
#2	1.985	1.978	1.946	1.966	1.984	1.905	2.032	2.011	.2413

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.977**	**2.016**	**1.916**	**2.028**	**2.013**	**1.944**	**1.927**	**23.63**	**24.16**
Stddev	.005	.002	.006	.009	.005	.001	.014	.00	.13
%RSD	.2646	.0951	.3174	.4654	.2643	.0253	.7342	.0101	.5457
#1	1.973	2.014	1.912	2.021	2.009	1.945	1.917	23.64	24.25
#2	1.981	2.017	1.920	2.035	2.017	1.944	1.937	23.63	24.06

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.89**	**23.66**	**23.20**	**23.78**	**1.990**	**1.971**	**1.911**	**4.863**	**1.990**
Stddev	.06	.09	.02	.00	.009	.001	.003	.015	.006
%RSD	.2382	.3689	.0763	.0128	.4424	.0258	.1597	.3023	.3146
#1	24.93	23.72	23.21	23.77	1.984	1.971	1.909	4.852	1.986
#2	24.84	23.59	23.19	23.78	1.996	1.970	1.913	4.873	1.994

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.978**	**1.979**	**1.950**	**1.950**	**1.951**	**1.989**	**1.903**
Stddev	.008	.005	.001	.003	.002	.005	.002
%RSD	.3993	.2320	.0596	.1638	.1162	.2303	.0924
#1	1.983	1.975	1.950	1.948	1.949	1.986	1.902
#2	1.972	1.982	1.949	1.953	1.952	1.992	1.904

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72129.**	**26974.**	**1093.0**	**3603.1**
Stddev	306.	116.	1.8	6.8
%RSD	.42389	.42841	.16241	.18961
#1	72346.	26892.	1094.3	3607.9
#2	71913.	27056.	1091.8	3598.3

Zoom In Zoom Out

Sample Name: jb98414-13f 2 Acquired: 7/14/2015 16:47:06 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1323**	**.0022**	**-.0005**	**.0564**	**-.0036**	**.0285**	**59.26**	**.0228**	**.0028**
Stddev	.0003	.0004	.0010	.0025	.0050	.0012	.42	.0027	.0013
%RSD	.2479	16.51	210.8	4.348	136.7	4.311	.7086	12.00	45.16
#1	.1325	.0020	-.0012	.0547	-.0001	.0277	59.55	.0209	.0019
#2	.1320	.0025	.0002	.0581	-.0072	.0294	58.96	.0247	.0037

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0034**	**.0371**	**-.0043**	**.0246**	**.0240**	**-.0056**	**.0141**	**.1328**	**40.95**
Stddev	.0017	.0001	.0028	.0144	.0006	.0158	.0040	.0184	.08
%RSD	48.64	.1715	64.71	58.69	2.308	279.4	28.23	13.85	.2023
#1	.0046	.0370	-.0063	.0348	.0244	-.0168	.0169	.1198	40.89
#2	.0022	.0371	-.0023	.0144	.0236	.0055	.0113	.1458	41.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**20.39**	**48.80**	**.7361**	**31.28**	**.0595**	**.0044**	**.0029**	**4.107**	**.0097**
Stddev	.04	.14	.0922	.23	.0001	.0018	.0064	.029	.0052
%RSD	.1900	.2880	12.53	.7220	.1265	41.33	219.8	.7020	53.55
#1	20.42	48.70	.8014	31.12	.0596	.0031	-.0016	4.087	.0133
#2	20.37	48.90	.6709	31.44	.0594	.0057	.0074	4.128	.0060

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1245**	**-.0005**	**.0374**	**-.0021**	**35.14**	**.0057**	**.0113**
Stddev	.0012	.0013	.0068	.0012	.04	.0103	.0063
%RSD	.9305	270.8	18.14	58.58	.1007	180.2	55.85
#1	.1237	.0004	.0422	-.0012	35.12	-.0016	.0068
#2	.1253	-.0014	.0326	-.0030	35.17	.0129	.0157

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72641.**	**27280.**	**1096.6**	**3755.6**
Stddev	52.	4.	.4	8.3
%RSD	.07127	.01645	.03621	.22192
#1	72677.	27284.	1096.4	3761.5
#2	72604.	27277.	1096.9	3749.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 16:53:14 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.057**	**2.041**	**2.008**	**2.026**	**2.030**	**1.974**	**2.068**	**2.073**	**.2506**
Stddev	.001	.002	.005	.004	.004	.005	.004	.003	.0004
%RSD	.0418	.0808	.2732	.1912	.2136	.2531	.1830	.1242	.1763
#1	2.058	2.040	2.004	2.024	2.033	1.978	2.070	2.071	.2503
#2	2.057	2.042	2.011	2.029	2.027	1.971	2.065	2.075	.2510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.056**	**1.996**	**2.059**	**2.071**	**2.000**	**2.006**	**39.41**	**39.81**
Stddev	.002	.007	.007	.001	.003	.004	.008	.04	.15
%RSD	.1003	.3347	.3288	.0548	.1319	.2097	.4152	.1122	.3864
#1	2.028	2.051	1.991	2.059	2.073	1.997	2.000	39.44	39.70
#2	2.025	2.061	2.000	2.060	2.069	2.003	2.012	39.38	39.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.85**	**39.20**	**38.64**	**39.41**	**2.048**	**2.044**	**1.991**	**4.947**	**2.054**
Stddev	.06	.01	.02	.01	.005	.007	.001	.015	.003
%RSD	.1477	.0267	.0488	.0168	.2539	.3257	.0406	.3071	.1678
#1	40.81	39.19	38.63	39.42	2.044	2.039	1.991	4.936	2.051
#2	40.89	39.21	38.66	39.41	2.051	2.049	1.990	4.957	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 16:53:14 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**2.048**	**2.045**	**2.025**	**1.995**	**2.026**	**1.972**
Stddev	.012	.003	.004	.003	.016	.001	.000
%RSD	.5719	.1266	.1883	.1556	.7789	.0300	.0197
#1	2.041	2.050	2.042	2.027	1.984	2.026	1.972
#2	2.058	2.046	2.047	2.023	2.006	2.027	1.972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71084.**	**26684.**	**1079.0**	**3513.4**
Stddev	218.	103.	2.7	4.6
%RSD	.30611	.38449	.25433	.13031
#1	70930.	26756.	1080.9	3516.6
#2	71238.	26611.	1077.0	3510.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 16:59:11 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0000**	**.0000**	**-.0004**	**-.0001**	**.0001**	**.0012**	**-.0003**
Stddev	.0001	.000	.0001	.0001	.0002	.0000	.0000	.0001	.0002
%RSD	262.0	583.8	571.7	2048.	58.55	2.939	39.20	5.292	53.46
#1	.0001	.0000	.0000	-.0001	-.0002	-.0001	.0000	.0012	-.0002
#2	.0000	.0000	.0000	.0001	-.0005	-.0001	.0001	.0013	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0000**	**-.0001**	**-.0017**	**.0004**	**.0020**	**.0000**	**-.0015**	**-.0024**
Stddev	.0000	.000	.0006	.0010	.0000	.0018	.001	.0015	.0010
%RSD	.9116	126.2	1245.	59.75	4.211	87.36	1606.	96.35	41.48
#1	.0005	.0000	.0004	-.0010	.0004	.0033	.0005	-.0026	-.0031
#2	.0005	-.0001	-.0005	-.0024	.0004	.0008	-.0006	-.0005	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0011**	**.0249**	**-.0028**	**.0042**	**.0036**	**.0003**	**.0005**	**.0009**	**.0003**
Stddev	.0013	.0162	.0007	.0052	.0003	.0001	.0006	.0003	.0001
%RSD	123.6	64.96	25.13	123.7	7.710	28.39	129.0	31.44	26.74
#1	-.0020	.0135	-.0023	.0005	.0038	.0004	.0000	.0007	.0004
#2	-.0001	.0363	-.0033	.0079	.0034	.0003	.0009	.0011	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 16:59:11 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0012**	**.0001**	**-.0024**	**-.0005**	**.0007**
Stddev	.000	.0002	.0003	.0001	.0026	.0002	.0007
%RSD	130.5	213.6	26.49	190.2	109.1	48.14	92.76
#1	-.0001	.0003	.0014	.0000	-.0043	-.0007	.0012
#2	.0000	-.0001	.0010	.0002	-.0006	-.0003	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73890.**	**27426.**	**1114.3**	**3805.0**
Stddev	80.	111.	1.6	.1
%RSD	.10818	.40477	.14309	.00288
#1	73833.	27347.	1115.4	3805.1
#2	73946.	27504.	1113.1	3804.9

Zoom In Zoom Out

Sample Name: jb98414-14f Acquired: 7/14/2015 17:05:17 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3495**	**.0005**	**.0010**	**.0143**	**-.0010**	**.0111**	**23.92**	**.0083**	**.0021**
Stddev	.0004	.0001	.0001	.0001	.0005	.0004	.06	.0004	.0005
%RSD	.1082	12.55	6.765	.7187	51.94	3.666	.2416	4.943	23.56
#1	.3492	.0005	.0010	.0142	-.0006	.0114	23.96	.0086	.0025
#2	.3497	.0006	.0011	.0144	-.0013	.0108	23.87	.0080	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.1499**	**.0037**	**.0052**	**.0005**	**.0009**	**.0006**	**.1727**	**91.24**
Stddev	.0005	.0010	.0043	.0080	.0018	.0031	.0014	.0053	.22
%RSD	72.24	.6889	115.0	154.1	379.7	332.2	219.4	3.093	.2398
#1	.0004	.1492	.0068	.0108	-.0008	-.0013	-.0003	.1689	91.09
#2	.0011	.1506	.0007	-.0005	.0017	.0032	.0016	.1765	91.40

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**9.074**	**73.63**	**4.654**	**173.0**	**.0246**	**-.0005**	**.0013**	**4.872**	**-.0023**
Stddev	.031	.24	.087	.1	.0023	.0002	.0036	.025	.0034
%RSD	.3370	.3263	1.879	.0498	9.378	43.98	271.5	.5226	146.9
#1	9.052	73.46	4.716	172.9	.0230	-.0004	-.0012	4.854	-.0047
#2	9.095	73.80	4.593	173.0	.0262	-.0007	.0038	4.890	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6946**	**.0003**	**.0102**	**.0006**	**16.72**	**.0018**	**.0135**
Stddev	.0014	.0001	.0042	.0004	.05	.0012	.0016
%RSD	.1989	32.19	41.09	63.40	.2980	69.80	11.67
#1	.6936	.0004	.0072	.0008	16.69	.0026	.0124
#2	.6956	.0002	.0132	.0003	16.76	.0009	.0146

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70545.**	**27084.**	**1062.0**	**3558.0**
Stddev	1.	79.	1.9	2.4
%RSD	.00079	.29110	.18253	.06852
#1	70546.	27140.	1063.4	3559.7
#2	70545.	27028.	1060.6	3556.3

Zoom In Zoom Out

Sample Name: jb98550-3 Acquired: 7/14/2015 17:11:24 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0366**	**.0002**	**.0316**	**.0007**	**.0078**	**.0623**	**1.834**	**.0101**	**.0025**
Stddev	.0001	.0000	.0002	.0001	.0002	.0006	.010	.0000	.0002
%RSD	.2993	7.778	.5258	9.234	2.407	.9671	.5225	.4361	6.511
#1	.0367	.0002	.0317	.0007	.0076	.0619	1.841	.0101	.0024
#2	.0365	.0002	.0315	.0006	.0079	.0628	1.827	.0102	.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0266**	**.1917**	**.0108**	**-.0002**	**.0268**	**.0006**	**.0024**	**1.968**	**58.45**
Stddev	.0002	.0000	.0021	.0020	.0007	.0003	.0002	.010	.12
%RSD	.5846	.0088	19.59	1305.	2.698	42.73	7.412	.4906	.2048
#1	.0267	.1917	.0093	-.0016	.0263	.0008	.0023	1.975	58.53
#2	.0265	.1917	.0123	.0013	.0273	.0004	.0026	1.961	58.36

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.043**	**20.49**	**1.013**	**151.0**	**.2764**	**.0068**	**.0038**	**21.52**	**-.0015**
Stddev	.008	.04	.022	.8	.0004	.0002	.0017	.00	.0005
%RSD	.1886	.2027	2.135	.5498	.1403	2.279	45.66	.0052	31.24
#1	4.048	20.52	.9973	150.4	.2767	.0069	.0050	21.52	-.0019
#2	4.037	20.47	1.028	151.6	.2761	.0067	.0026	21.52	-.0012

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1629**	**.0872**	**.0073**	**-.0029**	**44.53**	**.0000**	**.0069**
Stddev	.0002	.0005	.0001	.0000	.08	.000	.0001
%RSD	.1034	.6190	1.735	.3430	.1823	483.6	1.033
#1	.1627	.0876	.0074	-.0029	44.48	.0001	.0069
#2	.1630	.0869	.0072	-.0029	44.59	-.0001	.0070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69288.**	**26830.**	**1044.1**	**3410.5**
Stddev	206.	32.	1.4	.2
%RSD	.29671	.11917	.13456	.00553
#1	69143.	26807.	1043.1	3410.6
#2	69433.	26852.	1045.1	3410.3

Zoom In Zoom Out

Sample Name: mp87578-mb1conf Acquired: 7/14/2015 17:17:31 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: epa

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0003**	**.0001**	**-.0002**	**.0009**	**.0001**	**.0013**	**-.0001**
Stddev	.000	.0001	.0000	.0000	.0001	.0000	.0000	.0000	.0002
%RSD	613.4	422.9	7.544	49.79	78.30	4.363	12.56	2.078	224.2
#1	.0001	.0000	-.0003	.0001	-.0003	.0010	.0001	.0013	.0001
#2	-.0001	.0000	-.0003	.0001	-.0001	.0009	.0001	.0013	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0003**	**.0011**	**.0039**	**.0000**	**-.0024**	**-.0023**	**.0022**	**.0047**
Stddev	.0000	.0002	.0010	.0001	.0007	.0015	.0011	.0061	.0011
%RSD	15.42	67.12	87.09	1.883	3628.	60.77	45.92	272.2	23.13
#1	.0002	.0001	.0004	.0038	-.0005	-.0034	-.0016	.0066	.0039
#2	.0003	.0004	.0018	.0039	.0005	-.0014	-.0031	-.0021	.0054

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0008**	**.0206**	**-.0224**	**.0045**	**.0017**	**-.0005**	**-.0001**	**-.0011**	**.0008**
Stddev	.0004	.0136	.0031	.0062	.0008	.0001	.0001	.0012	.0016
%RSD	52.89	66.22	13.65	138.0	47.83	12.68	66.79	112.1	192.2
#1	.0005	.0110	-.0202	.0089	.0011	-.0005	-.0001	-.0019	.0019
#2	.0011	.0303	-.0245	.0001	.0023	-.0006	-.0002	-.0002	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0006**	**-.0010**	**-.0004**	**.0180**	**.0040**	**-.0014**
Stddev	.000	.0001	.0004	.0001	.0056	.0010	.0005
%RSD	36.92	13.65	40.21	14.41	31.08	25.76	34.14
#1	-.0001	.0006	-.0012	-.0004	.0219	.0033	-.0018
#2	.0000	.0005	-.0007	-.0003	.0140	.0047	-.0011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73618.**	**27632.**	**1105.7**	**3851.2**
Stddev	10.	16.	2.7	11.9
%RSD	.01387	.05765	.24278	.30793
#1	73625.	27643.	1107.6	3859.6
#2	73611.	27621.	1103.8	3842.8

Zoom In Zoom Out

Sample Name: mp87578-s2 1 Acquired: 7/14/2015 17:23:35 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: due

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.931**	**1.815**	**1.956**	**1.854**	**1.858**	**2.052**	**1.925**	**1.909**	**.2357**
Stddev	.002	.001	.003	.003	.004	.002	.010	.003	.0014
%RSD	.0907	.0603	.1504	.1672	.2313	.0958	.5153	.1378	.5983
#1	1.930	1.814	1.958	1.852	1.861	2.051	1.932	1.907	.2367
#2	1.932	1.816	1.954	1.856	1.855	2.054	1.918	1.911	.2347

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.864**	**1.970**	**2.009**	**1.926**	**1.929**	**2.214**	**1.986**	**23.93**	**60.41**
Stddev	.006	.001	.001	.008	.002	.006	.004	.03	.07
%RSD	.3382	.0733	.0718	.4242	.1245	.2579	.2106	.1386	.1223
#1	1.868	1.969	2.010	1.932	1.927	2.218	1.989	23.90	60.36
#2	1.859	1.971	2.008	1.920	1.931	2.210	1.983	23.95	60.47

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.54**	**27.46**	**29.60**	**180.8**	**2.024**	**1.902**	**1.727**	**3.611**	**1.937**
Stddev	.00	.22	.01	2.3	.010	.003	.004	.012	.010
%RSD	.0182	.8100	.0439	1.248	.4967	.1715	.2474	.3337	.4971
#1	23.54	27.30	29.59	179.2	2.031	1.904	1.730	3.619	1.944
#2	23.54	27.62	29.61	182.4	2.016	1.899	1.724	3.602	1.930

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.951**	**1.904**	**1.891**	**1.836**	**24.79**	**.0182**	**.0179**
Stddev	.020	.002	.001	.003	.02	.0004	.0006
%RSD	1.009	.1191	.0287	.1439	.0632	2.154	3.389
#1	1.937	1.906	1.892	1.838	24.80	.0179	.0175
#2	1.965	1.903	1.891	1.834	24.77	.0184	.0184

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68755.**	**26944.**	**1021.1**	**3387.7**
Stddev	173.	45.	3.2	.2
%RSD	.25110	.16600	.31528	.00588
#1	68632.	26976.	1018.8	3387.8
#2	68877.	26912.	1023.3	3387.5

Zoom In Zoom Out

Sample Name: mp87617-b1 2 Acquired: 7/14/2015 17:29:37 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.958**	**1.941**	**2.011**	**2.012**	**1.989**	**1.830**	**2.026**	**2.073**	**.2893**
Stddev	.000	.004	.005	.007	.004	.003	.005	.013	.0006
%RSD	.0025	.2048	.2659	.3674	.2082	.1393	.2561	.6451	.2232
#1	1.958	1.939	2.007	2.006	1.986	1.832	2.023	2.064	.2888
#2	1.958	1.944	2.014	2.017	1.992	1.829	2.030	2.083	.2897

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.995**	**2.059**	**1.987**	**1.992**	**2.047**	**2.022**	**1.968**	**23.59**	**24.23**
Stddev	.004	.001	.012	.000	.026	.019	.010	.02	.01
%RSD	.2179	.0656	.5903	.0143	1.267	.9207	.5059	.0703	.0265
#1	1.998	2.058	1.978	1.992	2.029	2.009	1.961	23.60	24.23
#2	1.992	2.060	1.995	1.992	2.065	2.035	1.975	23.58	24.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.24**	**23.49**	**25.79**	**1185.**	**2.131**	**2.020**	**1.912**	**.5875**	**2.002**
Stddev	.03	.14	.08	5.	.001	.006	.000	.0028	.003
%RSD	.1365	.5987	.3123	.4001	.0623	.2848	.0220	.4819	.1416
#1	23.21	23.59	25.84	1182.	2.130	2.016	1.912	.5895	2.000
#2	23.26	23.39	25.73	1189.	2.132	2.024	1.912	.5855	2.004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.986**	**1.994**	**2.006**	**1.914**	**.1845**	**.0165**	**.0236**
Stddev	.001	.002	.010	.003	.0019	.0006	.0042
%RSD	.0370	.0816	.4784	.1356	1.054	3.521	17.91
#1	1.986	1.995	1.999	1.912	.1859	.0161	.0206
#2	1.985	1.993	2.012	1.916	.1831	.0169	.0266

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69810.**	**27189.**	**1058.9**	**3392.2**
Stddev	305.	102.	.1	9.7
%RSD	.43680	.37507	.00780	.28714
#1	70025.	27261.	1059.0	3399.0
#2	69594.	27117.	1058.9	3385.3

Zoom In Zoom Out

Sample Name: mp87617-mb1 2 Acquired: 7/14/2015 17:35:38 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: tclp

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0062**	**-.0001**	**-.0002**	**-.0010**	**.0005**	**.0076**	**.0034**	**.0057**	**-.0010**
Stddev	.0001	.0000	.0005	.0003	.0007	.0009	.0001	.0001	.0009
%RSD	1.107	4.499	247.1	28.08	139.0	11.66	3.406	2.584	88.85
#1	.0063	-.0001	-.0005	-.0008	.0011	.0082	.0035	.0056	-.0004
#2	.0062	-.0001	.0001	-.0012	.0000	.0070	.0033	.0058	-.0017

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0025**	**.0061**	**.0020**	**.0022**	**.0066**	**-.0039**	**-.0021**	**.0467**	**.1888**
Stddev	.0001	.0003	.0045	.0035	.0007	.0079	.0001	.0060	.0123
%RSD	4.911	4.166	222.5	161.8	10.68	202.1	4.990	12.80	6.514
#1	.0024	.0063	.0052	-.0003	.0071	-.0095	-.0020	.0509	.1975
#2	.0026	.0060	-.0012	.0046	.0061	.0017	-.0021	.0425	.1801

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0617**	**.1841**	**1.871**	**1129.**	**.1195**	**.0015**	**-.0009**	**.2951**	**.0004**
Stddev	.0077	.0543	.028	4.	.0024	.0014	.0007	.0147	.0070
%RSD	12.51	29.51	1.469	.3713	1.984	94.68	77.32	4.986	1846.
#1	.0671	.2225	1.852	1126.	.1211	.0005	-.0014	.2847	-.0046
#2	.0562	.1457	1.890	1132.	.1178	.0024	-.0004	.3055	.0054

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0150**	**-.0008**	**.0129**	**.0042**	**.2589**	**-.0038**	**.0240**
Stddev	.0003	.0003	.0034	.0007	.0233	.0005	.0043
%RSD	1.853	41.78	25.94	16.63	9.009	12.22	17.87
#1	.0148	-.0006	.0153	.0037	.2754	-.0041	.0209
#2	.0152	-.0010	.0106	.0047	.2424	-.0035	.0270

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69243.**	**27383.**	**1059.4**	**3427.1**
Stddev	150.	24.	1.8	6.6
%RSD	.21590	.08714	.17053	.19124
#1	69349.	27400.	1058.1	3431.7
#2	69137.	27366.	1060.6	3422.5

Zoom In Zoom Out

Sample Name: mp87617-mb2 Acquired: 7/14/2015 17:41:46 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0011**	**-.0001**	**-.0003**	**-.0007**	**.0002**	**.0024**	**.0010**	**.0062**	**-.0033**
Stddev	.0004	.0002	.0003	.0003	.0013	.0020	.0002	.0020	.0002
%RSD	37.15	207.9	112.8	35.14	826.3	82.60	23.92	32.96	4.726
#1	.0008	.0000	-.0006	-.0009	-.0008	.0010	.0012	.0048	-.0034
#2	.0014	-.0003	-.0001	-.0005	.0011	.0038	.0009	.0076	-.0032

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0021**	**-.0018**	**.0006**	**.0039**	**-.0005**	**.0056**	**-.0010**	**.0788**	**.1962**
Stddev	.0011	.0017	.0000	.0026	.0097	.0218	.0062	.0268	.0043
%RSD	51.98	91.21	8.634	67.65	1958.	390.8	640.6	34.04	2.187
#1	.0013	-.0030	.0006	.0057	.0064	.0210	-.0054	.0977	.1992
#2	.0029	-.0006	.0005	.0020	-.0074	-.0099	.0034	.0598	.1931

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0292**	**.1081**	**1.850**	**1042.**	**.1114**	**.0002**	**-.0015**	**.4419**	**.0021**
Stddev	.0013	.0179	.024	3.	.0031	.0007	.0038	.0352	.0097
%RSD	4.319	16.52	1.269	.2686	2.747	319.5	257.7	7.968	459.5
#1	.0283	.1208	1.866	1040.	.1136	.0007	-.0041	.4668	.0090
#2	.0301	.0955	1.833	1044.	.1092	-.0003	.0012	.4170	-.0047

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0096**	**.0036**	**.0011**	**.0011**	**.2502**	**.0002**	**.0203**
Stddev	.0000	.0016	.0033	.0001	.0262	.0021	.0014
%RSD	.1362	43.28	306.5	13.04	10.48	1176.	6.808
#1	.0096	.0025	-.0013	.0010	.2317	.0016	.0194
#2	.0096	.0047	.0034	.0012	.2688	-.0013	.0213

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69734.**	**27191.**	**1066.7**	**3446.5**
Stddev	177.	93.	.1	3.2
%RSD	.25404	.34111	.01029	.09152
#1	69860.	27125.	1066.6	3448.7
#2	69609.	27256.	1066.8	3444.2

Zoom In Zoom Out

Sample Name: mp87617-b2 Acquired: 7/14/2015 17:47:54 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.783**	**1.765**	**2.095**	**2.102**	**1.919**	**1.763**	**1.951**	**2.175**	**.2168**
Stddev	.057	.058	.096	.098	.029	.024	.024	.106	.0024
%RSD	3.218	3.262	4.561	4.667	1.533	1.383	1.210	4.882	1.120
#1	1.743	1.724	2.028	2.032	1.899	1.746	1.935	2.100	.2151
#2	1.824	1.805	2.163	2.171	1.940	1.780	1.968	2.250	.2186

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.913**	**2.150**	**2.077**	**2.070**	**2.135**	**2.132**	**2.045**	**21.36**	**22.03**
Stddev	.020	.096	.105	.081	.085	.090	.085	.70	.75
%RSD	1.028	4.441	5.073	3.910	3.994	4.239	4.145	3.287	3.386
#1	1.899	2.082	2.002	2.013	2.075	2.068	1.985	20.86	21.51
#2	1.927	2.217	2.151	2.127	2.195	2.196	2.105	21.86	22.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**21.33**	**21.52**	**23.32**	**1099.**	**2.220**	**2.084**	**1.873**	**.4696**	**2.073**
Stddev	.69	.73	.61	42.	.096	.094	.017	.0393	.107
%RSD	3.253	3.408	2.619	3.800	4.314	4.488	.9117	8.378	5.144
#1	20.84	21.00	22.89	1069.	2.152	2.018	1.861	.4975	1.998
#2	21.82	22.04	23.76	1128.	2.288	2.150	1.885	.4418	2.149

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.810**	**1.913**	**2.075**	**1.849**	**.2136**	**.0160**	**.0227**
Stddev	.057	.018	.102	.022	.0097	.0015	.0036
%RSD	3.143	.9695	4.897	1.199	4.558	9.095	15.97
#1	1.770	1.899	2.003	1.833	.2067	.0170	.0202
#2	1.850	1.926	2.146	1.865	.2204	.0149	.0253

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69998.**	**27259.**	**1056.7**	**3354.3**
Stddev	142.	6.	23.3	85.3
%RSD	.20258	.02127	2.2088	2.5417
#1	70098.	27263.	1073.2	3414.6
#2	69898.	27254.	1040.1	3294.0

Zoom In Zoom Out

Sample Name: mp87617-s1 Acquired: 7/14/2015 17:53:52 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.966**	**1.910**	**1.957**	**1.970**	**1.957**	**1.805**	**2.022**	**2.039**	**.2869**
Stddev	.003	.002	.004	.003	.009	.009	.002	.006	.0014
%RSD	.1299	.1159	.1851	.1279	.4725	.5144	.1079	.2757	.4777
#1	1.968	1.908	1.959	1.972	1.950	1.811	2.021	2.043	.2859
#2	1.964	1.911	1.954	1.968	1.963	1.798	2.024	2.035	.2879

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.971**	**2.030**	**1.947**	**1.984**	**2.010**	**1.954**	**1.923**	**30.19**	**26.20**
Stddev	.005	.000	.008	.009	.001	.004	.002	.05	.09
%RSD	.2350	.0040	.4086	.4296	.0675	.2133	.0782	.1553	.3422
#1	1.975	2.030	1.941	1.978	2.009	1.951	1.924	30.15	26.27
#2	1.968	2.030	1.953	1.990	2.011	1.957	1.922	30.22	26.14

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**27.54**	**23.91**	**26.23**	**976.7**	**2.152**	**1.966**	**1.747**	**7.736**	**1.955**
Stddev	.00	.25	.03	3.0	.003	.002	.004	.020	.005
%RSD	.0141	1.036	.0974	.3071	.1487	.0844	.2411	.2599	.2368
#1	27.55	24.09	26.21	978.8	2.155	1.967	1.744	7.722	1.958
#2	27.54	23.74	26.25	974.6	2.150	1.964	1.750	7.750	1.951

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.962**	**2.046**	**1.955**	**1.887**	**3.933**	**.0150**	**.0156**
Stddev	.000	.005	.002	.002	.051	.0015	.0023
%RSD	.0113	.2366	.0998	.1146	1.306	9.770	14.94
#1	1.962	2.049	1.956	1.886	3.897	.0139	.0140
#2	1.962	2.042	1.954	1.889	3.970	.0160	.0172

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70635.**	**27060.**	**1079.6**	**3460.9**
Stddev	107.	20.	.6	5.3
%RSD	.15197	.07265	.05869	.15253
#1	70711.	27046.	1079.1	3457.2
#2	70560.	27073.	1080.0	3464.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 17:59:52 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.044**	**2.023**	**1.985**	**2.003**	**2.010**	**1.955**	**2.066**	**2.059**	**.2489**
Stddev	.001	.002	.000	.003	.011	.007	.011	.006	.0006
%RSD	.0223	.1013	.0028	.1536	.5240	.3588	.5529	.3145	.2299
#1	2.044	2.021	1.985	2.001	2.003	1.960	2.058	2.054	.2485
#2	2.044	2.024	1.985	2.005	2.018	1.951	2.074	2.064	.2493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.014**	**2.028**	**1.975**	**2.039**	**2.056**	**1.979**	**1.983**	**39.01**	**39.55**
Stddev	.008	.000	.006	.003	.005	.002	.000	.05	.14
%RSD	.4191	.0149	.3209	.1451	.2489	.0921	.0174	.1265	.3619
#1	2.008	2.028	1.970	2.036	2.052	1.981	1.983	39.05	39.45
#2	2.020	2.028	1.979	2.041	2.059	1.978	1.983	38.98	39.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.61**	**38.86**	**38.34**	**39.17**	**2.020**	**2.018**	**1.981**	**4.896**	**2.030**
Stddev	.04	.08	.16	.16	.003	.004	.001	.002	.000
%RSD	.1066	.1997	.4267	.4193	.1288	.2080	.0630	.0473	.0209
#1	40.58	38.81	38.45	39.29	2.018	2.016	1.981	4.895	2.030
#2	40.64	38.92	38.22	39.06	2.022	2.021	1.982	4.898	2.030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 17:59:52 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.036**	**2.039**	**2.029**	**2.014**	**1.998**	**2.009**	**1.951**
Stddev	.001	.008	.001	.002	.012	.002	.012
%RSD	.0469	.4090	.0443	.0850	.5975	.0893	.6278
#1	2.037	2.033	2.030	2.015	1.989	2.010	1.960
#2	2.035	2.045	2.029	2.013	2.006	2.008	1.943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**70809.**	**26719.**	**1087.8**	**3529.4**
Stddev	236.	53.	1.4	.8
%RSD	.33260	.19664	.13088	.02212
#1	70975.	26756.	1086.8	3528.8
#2	70642.	26682.	1088.8	3529.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 18:05:49 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0000**	**.0000**	**-.0001**	**-.0003**	**.0000**	**.0022**	**-.0008**
Stddev	.0001	.0000	.0003	.000	.0000	.0003	.0000	.0000	.0002
%RSD	27.80	2.074	1101.	1022.	55.58	114.1	72.47	1.377	24.38
#1	.0002	.0000	.0003	.0002	.0000	-.0001	.0000	.0022	-.0007
#2	.0003	.0000	-.0002	-.0002	-.0001	-.0005	.0000	.0022	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0004**	**.0008**	**.0001**	**-.0001**	**-.0011**	**.0011**	**.0039**	**-.0057**
Stddev	.0001	.0001	.0004	.0029	.0003	.0005	.0006	.0017	.0005
%RSD	58.81	33.73	45.37	5635.	238.3	48.57	51.82	42.74	9.181
#1	.0001	-.0003	.0010	-.0020	.0001	-.0007	.0007	.0027	-.0053
#2	.0002	-.0004	.0005	.0021	-.0004	-.0015	.0015	.0050	-.0061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0009**	**.0218**	**.0036**	**.0151**	**.0009**	**.0005**	**.0004**	**.0005**	**.0001**
Stddev	.0009	.0071	.0045	.0001	.0004	.0001	.0005	.0007	.0005
%RSD	96.25	32.51	125.0	.4125	47.72	30.91	127.5	153.4	408.0
#1	-.0016	.0268	.0068	.0151	.0012	.0004	.0008	.0010	.0005
#2	-.0003	.0168	.0004	.0150	.0006	.0006	.0000	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 18:05:49 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0017**	**.0000**	**.0005**	**.0000**	**.0004**
Stddev	.000	.0003	.0009	.0001	.0002	.0001	.0004
%RSD	92.74	13470.	52.01	279.6	37.65	201.5	100.2
#1	.0000	.0002	.0024	.0001	.0004	.0001	.0006
#2	.0000	-.0002	.0011	.0000	.0007	.0000	.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73830.**	**27365.**	**1117.0**	**3790.2**
Stddev	62.	93.	4.5	16.0
%RSD	.08372	.34108	.40614	.42307
#1	73786.	27431.	1120.2	3801.6
#2	73874.	27299.	1113.8	3778.9

Zoom In Zoom Out

Sample Name: mp87617-s2 Acquired: 7/14/2015 18:11:54 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.948**	**1.900**	**1.960**	**1.974**	**1.933**	**1.805**	**2.011**	**2.043**	**.2816**
Stddev	.004	.001	.020	.017	.004	.001	.003	.020	.0015
%RSD	.1801	.0285	.9967	.8726	.2333	.0373	.1583	.9798	.5299
#1	1.946	1.900	1.946	1.962	1.929	1.805	2.009	2.029	.2805
#2	1.951	1.900	1.974	1.986	1.936	1.804	2.013	2.057	.2827

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.955**	**2.033**	**1.932**	**1.975**	**2.019**	**1.959**	**1.914**	**29.98**	**25.86**
Stddev	.003	.027	.019	.024	.025	.029	.028	.01	.05
%RSD	.1556	1.339	.9623	1.214	1.239	1.496	1.434	.0347	.1899
#1	1.953	2.014	1.919	1.958	2.002	1.938	1.895	29.97	25.89
#2	1.957	2.052	1.945	1.992	2.037	1.980	1.934	29.99	25.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**27.33**	**23.55**	**26.16**	**968.5**	**2.165**	**1.961**	**1.698**	**7.711**	**1.948**
Stddev	.04	.04	.20	8.5	.028	.022	.015	.098	.027
%RSD	.1331	.1504	.7771	.8743	1.290	1.122	.8685	1.269	1.396
#1	27.31	23.52	26.30	974.5	2.145	1.946	1.709	7.642	1.928
#2	27.36	23.57	26.01	962.5	2.185	1.977	1.688	7.781	1.967

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.941**	**2.029**	**1.951**	**1.859**	**3.911**	**.0149**	**.0104**
Stddev	.007	.001	.034	.000	.062	.0023	.0013
%RSD	.3830	.0307	1.734	.0043	1.586	15.55	12.45
#1	1.936	2.029	1.927	1.859	3.867	.0166	.0095
#2	1.947	2.028	1.975	1.860	3.955	.0133	.0113

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70501.**	**27215.**	**1078.1**	**3448.0**
Stddev	107.	110.	11.2	27.1
%RSD	.15107	.40404	1.0345	.78486
#1	70576.	27292.	1086.0	3467.2
#2	70426.	27137.	1070.2	3428.9

Zoom In Zoom Out

Sample Name: jb98837-1a Acquired: 7/14/2015 18:17:52 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0320**	**-.0001**	**.0000**	**-.0004**	**.0056**	**.0171**	**.0354**	**.0181**	**-.0027**
Stddev	.0006	.0000	.000	.0001	.0000	.0008	.0002	.0005	.0002
%RSD	1.793	39.06	1659.	30.19	.4211	4.949	.5031	2.541	8.570
#1	.0324	-.0001	-.0003	-.0005	.0056	.0177	.0353	.0177	-.0025
#2	.0316	-.0001	.0003	-.0003	.0056	.0165	.0355	.0184	-.0029

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0193**	**.0097**	**.0179**	**.0113**	**-.0003**	**.0183**	**-.0022**	**6.262**	**2.257**
Stddev	.0013	.0008	.0000	.0045	.0060	.0104	.0002	.006	.015
%RSD	6.544	8.274	.2466	39.84	1960.	56.85	10.65	.0958	.6737
#1	.0202	.0091	.0179	.0081	.0039	.0256	-.0020	6.258	2.246
#2	.0184	.0102	.0180	.0144	-.0045	.0109	-.0024	6.266	2.267

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.454**	**.5063**	**2.889**	**967.3**	**.2138**	**.0027**	**-.0015**	**6.275**	**.0038**
Stddev	.013	.0413	.136	3.1	.0014	.0005	.0022	.146	.0066
%RSD	.2973	8.162	4.721	.3255	.6632	17.35	148.8	2.335	172.9
#1	4.445	.4770	2.793	969.5	.2148	.0031	-.0030	6.378	.0084
#2	4.464	.5355	2.986	965.1	.2128	.0024	.0001	6.171	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0099**	**.0949**	**.0082**	**.0115**	**4.207**	**-.0014**	**.0108**
Stddev	.0001	.0004	.0025	.0005	.082	.0027	.0003
%RSD	.6441	.4009	30.89	4.163	1.953	190.7	2.678
#1	.0099	.0952	.0064	.0118	4.265	.0005	.0106
#2	.0098	.0946	.0100	.0111	4.149	-.0034	.0110

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69743.**	**27071.**	**1054.9**	**3402.3**
Stddev	115.	39.	20.1	66.5
%RSD	.16438	.14294	1.9017	1.9543
#1	69824.	27044.	1040.7	3355.3
#2	69661.	27098.	1069.1	3449.3

Zoom In Zoom Out

Sample Name: mp87617-sd1 Acquired: 7/14/2015 18:24:00 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0273**	**.0004**	**.0041**	**-.0024**	**.0011**	**.0153**	**.0366**	**.0384**	**-.0154**
Stddev	.0007	.0002	.0022	.0066	.0042	.0048	.0003	.0005	.0036
%RSD	2.519	57.16	53.38	272.4	388.2	31.53	.6856	1.430	23.32
#1	.0268	.0002	.0057	-.0071	-.0019	.0187	.0364	.0388	-.0179
#2	.0278	.0005	.0026	.0023	.0040	.0119	.0368	.0380	-.0129

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0225**	**.0142**	**.0490**	**.0313**	**-.0109**	**.0388**	**.0315**	**6.185**	**2.369**
Stddev	.0040	.0089	.0033	.0063	.0183	.0043	.0346	.052	.026
%RSD	17.63	62.27	6.725	19.99	167.3	10.95	110.0	.8380	1.089
#1	.0253	.0205	.0467	.0357	-.0239	.0358	.0560	6.222	2.387
#2	.0197	.0080	.0514	.0269	.0020	.0418	.0070	6.149	2.351

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.415**	**.6451**	**2.237**	**970.9**	**.2087**	**.0015**	**-.0204**	**6.209**	**.0208**
Stddev	.061	.4836	.270	1.2	.0150	.0015	.0154	.024	.0024
%RSD	1.377	74.97	12.08	.1249	7.202	99.93	75.64	.3856	11.56
#1	4.458	.9871	2.428	970.0	.1980	.0004	-.0095	6.192	.0191
#2	4.372	.3031	2.046	971.7	.2193	.0025	-.0313	6.226	.0225

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0091**	**.0915**	**.0652**	**.0131**	**4.001**	**.0022**	**.0120**
Stddev	.0005	.0020	.0000	.0020	.050	.0188	.0107
%RSD	5.878	2.175	.0367	15.58	1.243	852.3	89.89
#1	.0094	.0929	.0653	.0146	4.036	.0155	.0196
#2	.0087	.0901	.0652	.0117	3.965	-.0111	.0044

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72420.**	**27316.**	**1105.7**	**3695.7**
Stddev	43.	43.	1.5	7.1
%RSD	.05944	.15841	.13273	.19105
#1	72389.	27285.	1106.8	3700.7
#2	72450.	27346.	1104.7	3690.7

Zoom In Zoom Out

Sample Name: jb98880-1a Acquired: 7/14/2015 18:30:03 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: due

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2726**	**.0002**	**.0012**	**.0008**	**.0016**	**.0112**	**.4453**	**.0164**	**-.0007**
Stddev	.0035	.0001	.0000	.0006	.0004	.0004	.0045	.0000	.0019
%RSD	1.302	34.05	1.546	73.92	28.59	3.262	1.019	.0030	290.0
#1	.2701	.0002	.0012	.0004	.0019	.0110	.4421	.0164	-.0020
#2	.2751	.0003	.0012	.0012	.0012	.0115	.4486	.0164	.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0031**	**.2482**	**.0095**	**-.0042**	**.0560**	**-.0041**	**.0006**	**.5871**	**46.60**
Stddev	.0001	.0020	.0052	.0035	.0124	.0069	.0138	.0035	.76
%RSD	4.282	.8032	54.60	84.61	22.17	167.1	2274.	.6038	1.632
#1	.0030	.2468	.0131	-.0067	.0472	.0008	.0104	.5896	46.06
#2	.0032	.2497	.0058	-.0017	.0647	-.0090	-.0092	.5846	47.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.5191**	**10.13**	**6.096**	**1110.**	**.2860**	**-.0018**	**.0024**	**4.926**	**.0004**
Stddev	.0102	.11	.020	28.	.0006	.0002	.0005	.043	.0034
%RSD	1.956	1.134	.3321	2.562	.1965	12.36	18.62	.8754	955.3
#1	.5120	10.05	6.081	1090.	.2856	-.0017	.0027	4.895	.0028
#2	.5263	10.21	6.110	1130.	.2864	-.0020	.0021	4.956	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3233**	**.0066**	**-.0004**	**.0002**	**1.363**	**-.0026**	**.0167**
Stddev	.0048	.0006	.0043	.0008	.017	.0031	.0006
%RSD	1.476	9.822	1081.	363.4	1.232	119.6	3.682
#1	.3199	.0062	.0026	-.0004	1.375	-.0004	.0171
#2	.3266	.0071	-.0034	.0008	1.351	-.0047	.0163

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69619.**	**27260.**	**1065.8**	**3413.2**
Stddev	132.	6.	2.3	8.6
%RSD	.18991	.02125	.21759	.25301
#1	69713.	27256.	1067.4	3419.3
#2	69526.	27264.	1064.1	3407.1

Zoom In Zoom Out

Sample Name: jb98880-2a Acquired: 7/14/2015 18:36:11 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: due

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3076**	**.0003**	**.0010**	**.0129**	**.0015**	**.0387**	**.9268**	**.0205**	**-.0026**
Stddev	.0026	.0003	.0001	.0014	.0027	.0006	.0018	.0004	.0016
%RSD	.8476	84.43	5.858	10.77	180.8	1.526	.1956	2.033	61.70
#1	.3095	.0005	.0011	.0119	-.0004	.0383	.9281	.0202	-.0038
#2	.3058	.0001	.0010	.0139	.0033	.0391	.9255	.0208	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0024**	**.5619**	**.0064**	**-.0037**	**.1173**	**.0158**	**-.0023**	**.6055**	**31.15**
Stddev	.0001	.0015	.0007	.0061	.0020	.0033	.0077	.0200	.09
%RSD	4.229	.2607	10.77	164.7	1.701	20.79	332.7	3.299	.2907
#1	.0025	.5609	.0059	-.0080	.1187	.0135	-.0078	.5914	31.22
#2	.0024	.5630	.0068	.0006	.1158	.0182	.0031	.6196	31.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.191**	**5.013**	**5.126**	**1155.**	**.2824**	**-.0017**	**-.0011**	**3.844**	**.0007**
Stddev	.003	.048	.008	4.	.0049	.0013	.0023	.013	.0005
%RSD	.1178	.9503	.1618	.3782	1.720	74.26	206.0	.3390	64.30
#1	2.192	4.979	5.120	1151.	.2790	-.0026	-.0028	3.834	.0010
#2	2.189	5.047	5.132	1158.	.2858	-.0008	.0005	3.853	.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2144**	**.0025**	**-.0029**	**-.0001**	**1.601**	**.0002**	**.0221**
Stddev	.0014	.0005	.0003	.0005	.025	.0027	.0016
%RSD	.6398	19.23	11.18	349.1	1.590	1757.	7.341
#1	.2154	.0028	-.0026	-.0005	1.619	-.0018	.0209
#2	.2134	.0021	-.0031	.0002	1.583	.0021	.0232

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70015.**	**27267.**	**1068.7**	**3427.0**
Stddev	183.	99.	2.7	9.3
%RSD	.26190	.36270	.25052	.27229
#1	69885.	27197.	1070.6	3433.6
#2	70145.	27337.	1066.8	3420.4

Zoom In Zoom Out

Sample Name: jb98862-1ab Acquired: 7/14/2015 18:42:19 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0784**	**-.0001**	**-.0001**	**-.0009**	**.0012**	**.0020**	**.0010**	**.0062**	**-.0021**
Stddev	.0018	.0001	.0006	.0002	.0008	.0001	.0002	.0012	.0009
%RSD	2.296	135.4	1124.	17.12	63.29	7.007	25.83	19.11	43.64
#1	.0797	-.0002	-.0005	-.0010	.0018	.0019	.0011	.0070	-.0015
#2	.0772	.0000	.0004	-.0008	.0007	.0022	.0008	.0053	-.0028

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0101**	**.0056**	**.0026**	**.0050**	**-.0004**	**.0061**	**.0002**	**2.497**	**9.063**
Stddev	.0017	.0007	.0075	.0025	.0045	.0132	.0053	.156	.095
%RSD	16.48	13.35	291.2	50.74	1266.	214.6	2395.	6.246	1.053
#1	.0089	.0050	.0079	.0068	.0028	-.0032	.0040	2.607	9.130
#2	.0113	.0061	-.0027	.0032	-.0035	.0155	-.0036	2.386	8.995

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0551**	**.2200**	**3.201**	**902.7**	**.1169**	**.0011**	**.0044**	**7.795**	**-.0001**
Stddev	.0124	.1081	.157	2.8	.0027	.0009	.0071	.085	.0010
%RSD	22.59	49.16	4.895	.3082	2.277	75.59	164.0	1.085	1556.
#1	.0639	.1435	3.311	904.7	.1150	.0017	-.0007	7.735	-.0008
#2	.0463	.2964	3.090	900.8	.1188	.0005	.0094	7.855	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0483**	**.0008**	**-.0010**	**-.0010**	**2.249**	**.0002**	**.0099**
Stddev	.0004	.0004	.0028	.0001	.012	.0003	.0001
%RSD	.9129	46.05	266.6	7.506	.5526	137.1	1.097
#1	.0486	.0011	-.0030	-.0011	2.257	.0000	.0098
#2	.0480	.0005	.0009	-.0010	2.240	.0005	.0099

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70075.**	**26980.**	**1069.3**	**3457.7**
Stddev	51.	46.	13.4	50.1
%RSD	.07239	.16983	1.2508	1.4492
#1	70110.	26947.	1078.7	3493.2
#2	70039.	27012.	1059.8	3422.3

Zoom In Zoom Out

Sample Name: jb98862-2ab Acquired: 7/14/2015 18:48:27 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0771**	**-.0002**	**-.0005**	**-.0017**	**.0109**	**.0023**	**.0041**	**.0039**	**-.0032**
Stddev	.0016	.0001	.0009	.0012	.0155	.0005	.0000	.0004	.0006
%RSD	2.094	27.45	175.2	72.97	142.0	21.72	.7933	10.03	20.01
#1	.0760	-.0003	-.0011	-.0008	.0218	.0027	.0041	.0041	-.0036
#2	.0783	-.0002	.0001	-.0026	.0000	.0020	.0041	.0036	-.0027

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0088**	**-.0004**	**.0040**	**.0064**	**-.0028**	**.0001**	**.0018**	**.5657**	**10.12**
Stddev	.0001	.0019	.0021	.0163	.0036	.0115	.0073	.0224	.06
%RSD	.8705	503.9	51.70	254.8	129.3	14370.	406.7	3.953	.6081
#1	.0087	.0010	.0026	-.0051	-.0002	-.0080	-.0034	.5815	10.08
#2	.0088	-.0017	.0055	.0179	-.0054	.0082	.0070	.5499	10.16

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0333**	**.2417**	**2.795**	**896.7**	**.1155**	**.0041**	**-.0029**	**5.177**	**.0006**
Stddev	.0007	.0388	.066	14.6	.0017	.0009	.0018	.016	.0023
%RSD	2.005	16.04	2.364	1.627	1.442	22.95	63.94	.3099	380.1
#1	.0338	.2691	2.841	886.4	.1143	.0035	-.0042	5.166	.0022
#2	.0329	.2143	2.748	907.1	.1167	.0048	-.0016	5.188	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0360**	**-.0012**	**-.0007**	**-.0007**	**2.289**	**-.0016**	**.0136**
Stddev	.0001	.0018	.0028	.0000	.005	.0015	.0008
%RSD	.2617	144.8	374.9	6.365	.2414	89.05	5.814
#1	.0359	.0000	-.0027	-.0007	2.293	-.0027	.0130
#2	.0360	-.0025	.0012	-.0007	2.285	-.0006	.0142

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69678.**	**27023.**	**1078.9**	**3475.4**
Stddev	114.	33.	2.7	6.6
%RSD	.16361	.12043	.24578	.18863
#1	69597.	27046.	1080.7	3480.0
#2	69759.	27000.	1077.0	3470.8

Zoom In Zoom Out

Sample Name: jb98869-1ab Acquired: 7/14/2015 18:54:36 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.8820**	**.0006**	**.0012**	**.0129**	**-.0014**	**.0071**	**4.649**	**.0142**
Stddev	.0000	.0005	.0009	.0012	.0025	.0004	.002	.0005
%RSD	.0045	85.62	76.15	9.649	181.7	5.881	.0420	3.722
#1	.8820	.0009	.0018	.0120	.0004	.0068	4.647	.0139
#2	.8820	.0002	.0005	.0138	-.0031	.0074	4.650	.0146

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0048**	**.0021**	**.0241**	**.0067**	F **-.0100**	**.0028**	**-.0103**	**.0015**
Stddev	.0004	.0003	.0003	.0012	.0012	.0058	.0208	.0010
%RSD	7.872	15.57	1.425	17.83	11.59	208.1	201.4	66.16
#1	-.0045	.0024	.0238	.0059	-.0092	.0068	.0044	.0008
#2	-.0051	.0019	.0243	.0076	-.0108	-.0013	-.0251	.0022

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.4502**	**248.6**	**.7894**	**31.60**	**3.668**	**1120.**	**.2086**	**-.0018**
Stddev	.0050	.2	.0087	.09	.115	10.	.0009	.0010
%RSD	1.102	.0630	1.100	.2765	3.128	.9145	.4372	53.07
#1	.4537	248.5	.7833	31.66	3.587	1128.	.2092	-.0011
#2	.4467	248.7	.7956	31.54	3.749	1113.	.2079	-.0025

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0059**	**1.362**	**-.0055**	**.2583**	**.0004**	**.0040**	**-.0005**	**1.362**
Stddev	.0020	.006	.0004	.0003	.0018	.0023	.0006	.004
%RSD	33.49	.4748	6.996	.0979	429.1	57.45	123.6	.2646
#1	.0074	1.357	-.0052	.2581	-.0008	.0024	-.0010	1.360
#2	.0045	1.366	-.0058	.2585	.0017	.0057	-.0001	1.365

Elem	Bi2230	Li6707
Avg	**.0025**	**.0310**
Stddev	.0009	.0035
%RSD	36.06	11.33
#1	.0018	.0335
#2	.0031	.0286

Zoom In Zoom Out

Sample Name: jb98869-1ab Acquired: 7/14/2015 18:54:36 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**68825.**	**26968.**	**1060.4**	**3373.6**
Stddev	240.	27.	2.1	4.9
%RSD	.34921	.10097	.19544	.14437
#1	68655.	26949.	1061.9	3377.1
#2	68995.	26988.	1058.9	3370.2

Zoom In Zoom Out

Sample Name: jb98869-2ab Acquired: 7/14/2015 19:00:45 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.179**	**.0005**	**.0001**	**.0132**	**-.0002**	**.0085**	**5.412**	**.0159**	**-.0020**
Stddev	.001	.0003	.0003	.0007	.0012	.0002	.022	.0015	.0011
%RSD	.0993	53.97	573.9	5.162	718.0	2.645	.4130	9.567	57.72
#1	1.178	.0003	-.0002	.0127	-.0010	.0086	5.396	.0148	-.0028
#2	1.180	.0007	.0003	.0137	.0007	.0083	5.428	.0170	-.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0023**	**.0347**	**.0026**	**.0019**	**.0002**	**-.0068**	**-.0056**	**.5008**	**303.9**
Stddev	.0011	.0006	.0041	.0083	.0002	.0077	.0076	.0145	.0
%RSD	46.28	1.588	156.2	432.8	152.8	113.9	136.7	2.888	.0112
#1	.0031	.0343	-.0003	.0078	.0003	-.0013	-.0109	.5110	303.9
#2	.0016	.0351	.0055	-.0040	.0000	-.0123	-.0002	.4906	303.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6921**	**37.00**	**4.460**	**1127.**	**.2566**	**-.0032**	**-.0011**	**1.814**	**-.0040**
Stddev	.0027	.06	.027	1.	.0006	.0008	.0027	.004	.0013
%RSD	.3869	.1709	.6016	.1049	.2163	26.46	240.4	.2195	33.23
#1	.6903	36.96	4.441	1126.	.2562	-.0038	.0008	1.817	-.0031
#2	.6940	37.05	4.479	1128.	.2570	-.0026	-.0030	1.811	-.0049

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3489**	**-.0003**	**.0029**	**.0000**	**2.623**	**.0024**	**.0330**
Stddev	.0001	.0016	.0006	.0004	.028	.0006	.0069
%RSD	.0428	540.5	20.75	1533.	1.063	23.61	20.96
#1	.3488	.0009	.0025	-.0003	2.643	.0020	.0281
#2	.3490	-.0015	.0033	.0003	2.603	.0027	.0379

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69192.**	**27009.**	**1053.0**	**3361.5**
Stddev	36.	55.	.3	.4
%RSD	.05156	.20529	.02394	.01240
#1	69167.	27048.	1053.2	3361.2
#2	69217.	26970.	1052.8	3361.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 19:06:55 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.035**	**2.019**	**1.991**	**2.013**	**2.008**	**1.958**	**2.054**	**2.064**	**.2480**
Stddev	.007	.000	.017	.012	.002	.003	.001	.006	.0001
%RSD	.3559	.0136	.8567	.5937	.0868	.1727	.0303	.3081	.0550
#1	2.030	2.019	1.979	2.004	2.009	1.960	2.054	2.059	.2479
#2	2.040	2.019	2.003	2.021	2.006	1.955	2.055	2.068	.2481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.038**	**1.979**	**2.044**	**2.064**	**1.983**	**1.989**	**38.90**	**39.42**
Stddev	.001	.018	.017	.016	.014	.013	.018	.09	.15
%RSD	.0295	.8646	.8566	.7673	.6609	.6742	.9270	.2324	.3807
#1	2.008	2.026	1.967	2.033	2.054	1.973	1.976	38.83	39.53
#2	2.007	2.051	1.991	2.055	2.074	1.992	2.003	38.96	39.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.48**	**38.89**	**38.21**	**38.97**	**2.025**	**2.024**	**1.977**	**4.910**	**2.034**
Stddev	.03	.12	.11	.17	.016	.017	.003	.040	.020
%RSD	.0802	.3020	.2815	.4374	.7859	.8439	.1545	.8202	.9566
#1	40.50	38.97	38.14	38.85	2.014	2.012	1.979	4.881	2.020
#2	40.46	38.80	38.29	39.10	2.037	2.036	1.975	4.938	2.047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 19:06:55 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.031**	**2.025**	**2.008**	**2.008**	**2.012**	**1.945**
Stddev	.002	.001	.014	.001	.011	.015	.012
%RSD	.0911	.0300	.6747	.0681	.5487	.7262	.6379
#1	2.032	2.031	2.016	2.007	2.000	2.001	1.936
#2	2.029	2.032	2.035	2.009	2.016	2.022	1.954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71274.**	**26827.**	**1087.1**	**3524.2**
Stddev	76.	51.	7.8	17.5
%RSD	.10638	.18903	.71838	.49664
#1	71328.	26863.	1092.6	3536.6
#2	71220.	26791.	1081.5	3511.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 19:12:52 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**-.0001**	**-.0002**	**.0000**	**-.0001**	**.0001**	**.0020**	**-.0006**
Stddev	.0000	.0000	.0001	.0002	.000	.0001	.0000	.0002	.0002
%RSD	1.850	52.16	72.97	94.66	789.1	120.8	4.483	9.821	38.17
#1	.0002	.0001	-.0001	-.0004	.0001	-.0002	.0001	.0018	-.0008
#2	.0002	.0001	-.0002	-.0001	-.0001	.0000	.0001	.0021	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0004**	**.0001**	**.0008**	**-.0013**	**.0016**	**.0002**	**-.0052**	**-.0035**
Stddev	.0001	.0003	.0005	.0018	.0006	.0004	.0006	.0031	.0049
%RSD	36.57	76.27	475.4	240.0	45.87	26.67	284.2	60.40	142.7
#1	.0002	-.0007	-.0003	-.0005	-.0009	.0018	.0006	-.0030	.0000
#2	.0003	-.0002	.0005	.0021	-.0017	.0013	-.0002	-.0074	-.0069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0241**	**-.0161**	**.0226**	**.0003**	**.0005**	**.0002**	**.0003**	**.0005**
Stddev	.0005	.0034	.0105	.0061	.0005	.0001	.0003	.0007	.0005
%RSD	155.2	13.96	65.41	27.17	209.5	20.88	197.1	240.0	106.8
#1	.0007	.0217	-.0235	.0270	.0006	.0004	-.0001	-.0002	.0001
#2	.0000	.0265	-.0087	.0183	-.0001	.0006	.0004	.0008	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 19:12:52 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0002**	**.0009**	**.0001**	**-.0016**	**-.0011**	**.0006**
Stddev	.0000	.0002	.0008	.0000	.0031	.0001	.0001
%RSD	20.82	105.1	87.00	15.20	189.8	10.79	16.20
#1	.0001	-.0003	.0015	.0001	-.0038	-.0010	.0006
#2	.0000	.0000	.0004	.0001	.0006	-.0012	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73888.**	**27455.**	**1122.2**	**3807.9**
Stddev	142.	82.	6.6	18.3
%RSD	.19186	.29747	.59120	.48041
#1	73788.	27397.	1126.9	3820.8
#2	73989.	27513.	1117.5	3794.9

Zoom In Zoom Out

Sample Name: mp87594-mb1conf Acquired: 7/14/2015 19:18:58 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**.0000**	**-.0002**	**-.0005**	**-.0001**	**.0001**	**.0030**	**-.0005**
Stddev	.0001	.000	.0000	.0001	.0001	.0001	.0000	.0002	.0001
%RSD	71.66	6.525	218.7	39.60	26.09	97.84	30.37	5.883	27.53
#1	.0000	.0000	.0000	-.0003	-.0006	-.0001	.0001	.0031	-.0004
#2	.0001	.0000	.0000	-.0002	-.0004	.0000	.0001	.0029	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0001**	**.0002**	**.0014**	**-.0009**	**-.0003**	**-.0008**	**.0093**	**.0189**
Stddev	.0001	.0001	.0002	.0010	.0012	.0018	.0001	.0070	.0008
%RSD	61.48	62.06	104.2	67.45	129.7	552.5	15.26	75.54	4.396
#1	.0003	.0001	.0000	.0021	-.0017	.0009	-.0008	.0043	.0183
#2	.0001	.0002	.0003	.0007	-.0001	-.0016	-.0007	.0143	.0195

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0067**	**.0009**	**-.0116**	**.0223**	**.0011**	**.0000**	**-.0009**	**.0148**	**.0006**
Stddev	.0018	.0031	.0103	.0016	.0000	.000	.0003	.0008	.0015
%RSD	26.19	335.5	88.57	7.049	1.892	437.8	35.99	5.577	266.1
#1	.0079	.0031	-.0043	.0212	.0012	.0001	-.0006	.0142	.0017
#2	.0055	-.0013	-.0189	.0235	.0011	-.0001	-.0011	.0154	-.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**-.0002**	**.0003**	**.0002**	**-.0004**	**-.0004**	**-.0003**
Stddev	.0001	.0002	.0014	.0001	.0041	.0006	.0002
%RSD	64.74	83.48	427.6	71.27	1021.	127.3	70.51
#1	.0000	-.0003	-.0007	.0002	-.0033	.0000	-.0005
#2	.0001	-.0001	.0013	.0001	.0025	-.0008	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73495.**	**27207.**	**1110.7**	**3791.5**
Stddev	142.	56.	1.9	1.7
%RSD	.19350	.20577	.17070	.04501
#1	73595.	27167.	1112.0	3792.7
#2	73394.	27246.	1109.3	3790.3

Zoom In Zoom Out

Sample Name: jb98728-3 2 Acquired: 7/14/2015 19:25:01 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: tl

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3361**	**.0000**	**.0015**	**-.0004**	**.0005**	**.0153**	**.1653**	**.0047**	**.0001**
Stddev	.0004	.0000	.0002	.0004	.0002	.0001	.0007	.0001	.0002
%RSD	.1156	47.64	12.66	113.9	30.99	.3750	.4099	1.485	183.0
#1	.3358	.0000	.0014	-.0007	.0006	.0153	.1658	.0046	.0000
#2	.3364	.0001	.0016	-.0001	.0004	.0152	.1648	.0047	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0009**	**.1639**	**.0009**	**.0012**	**.0012**	**.0015**	**.0015**	**.3082**	**46.44**
Stddev	.0001	.0004	.0004	.0025	.0015	.0007	.0012	.0005	.02
%RSD	9.118	.2220	37.92	206.0	129.1	49.81	81.53	.1710	.0398
#1	.0009	.1636	.0007	.0030	.0001	.0020	.0006	.3086	46.43
#2	.0008	.1641	.0012	-.0006	.0023	.0009	.0024	.3079	46.46

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2201**	**4.111**	**1.811**	**23.83**	**.0593**	**.0006**	**.0010**	**5.374**	**-.0023**
Stddev	.0002	.010	.030	.06	.0002	.0002	.0001	.010	.0006
%RSD	.0790	.2370	1.667	.2632	.3782	23.49	13.22	.1808	26.35
#1	.2199	4.104	1.790	23.88	.0592	.0005	.0009	5.367	-.0019
#2	.2202	4.117	1.832	23.79	.0595	.0008	.0011	5.381	-.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2582**	**.0060**	**.0020**	**-.0007**	**5.151**	**-.0020**	**.0020**
Stddev	.0005	.0002	.0007	.0001	.015	.0006	.0001
%RSD	.1900	4.003	36.71	15.21	.2989	31.93	4.694
#1	.2578	.0058	.0015	-.0008	5.140	-.0024	.0021
#2	.2585	.0062	.0025	-.0006	5.162	-.0015	.0020

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71632.**	**26958.**	**1070.2**	**3597.6**
Stddev	478.	47.	2.2	3.6
%RSD	.66741	.17523	.20997	.09895
#1	71294.	26991.	1071.7	3600.1
#2	71970.	26924.	1068.6	3595.0

Zoom In Zoom Out

Sample Name: jb98728-2 Acquired: 7/14/2015 19:31:02 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: na

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0999**	**.0240**	**.0169**	**.0187**	**.0001**	**.0141**	**17.41**	**.1217**	**-.0018**
Stddev	.0006	.0001	.0003	.0004	.0000	.0026	.04	.0030	.0013
%RSD	.5673	.3544	1.756	2.293	23.83	18.55	.2199	2.429	70.39
#1	.1003	.0241	.0167	.0184	.0001	.0159	17.44	.1196	-.0028
#2	.0995	.0239	.0171	.0190	.0001	.0122	17.38	.1238	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0023**	**.0913**	**.0029**	**.0066**	**.0061**	**-.0044**	**.0029**	**11.33**	**144.6**
Stddev	.0011	.0003	.0039	.0049	.0003	.0044	.0045	.01	.2
%RSD	47.89	.2793	133.3	74.46	5.447	101.2	153.5	.1099	.1330
#1	.0031	.0911	.0002	.0100	.0058	-.0012	-.0002	11.33	144.8
#2	.0015	.0915	.0057	.0031	.0063	-.0075	.0061	11.32	144.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1015**	**46.25**	**6.726**	**1063.**	**.0291**	**-.0027**	**.0030**	**10.74**	**-.0052**
Stddev	.0070	.04	.055	3.	.0024	.0011	.0072	.03	.0054
%RSD	6.853	.0783	.8110	.2705	8.340	42.01	238.8	.2432	104.3
#1	.1065	46.28	6.687	1065.	.0308	-.0019	-.0021	10.76	-.0090
#2	.0966	46.23	6.764	1061.	.0273	-.0035	.0082	10.73	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.9208**	**-.0005**	**.0040**	**.0043**	**44.66**	**.0003**	**.0126**
Stddev	.0002	.0003	.0001	.0001	.17	.0025	.0048
%RSD	.0184	62.65	3.488	2.582	.3872	783.6	37.89
#1	.9207	-.0003	.0039	.0044	44.54	.0021	.0092
#2	.9209	-.0007	.0041	.0042	44.79	-.0015	.0159

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71586.**	**27798.**	**1103.9**	**3404.2**
Stddev	130.	31.	1.4	4.8
%RSD	.18156	.11164	.12419	.13957
#1	71494.	27820.	1104.9	3407.5
#2	71678.	27776.	1102.9	3400.8

Zoom In Zoom Out

Sample Name: MP87618-MB1 2 Acquired: 7/14/2015 19:37:07 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: TCLP

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0014**	**-.0001**	**.0003**	**-.0009**	**-.0013**	**.0037**	**.0011**	**.0174**	**-.0047**
Stddev	.0001	.0000	.0002	.0007	.0009	.0012	.0001	.0002	.0006
%RSD	3.798	39.38	56.52	74.88	69.71	31.92	5.513	.8839	12.29
#1	.0013	-.0001	.0002	-.0004	-.0007	.0028	.0012	.0173	-.0043
#2	.0014	-.0001	.0005	-.0014	-.0020	.0045	.0011	.0175	-.0051

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**-.0028**	**.0025**	**-.0046**	**-.0036**	**.0016**	**-.0026**	**.2271**	**.4960**
Stddev	.0025	.0008	.0002	.0021	.0030	.0044	.0009	.0299	.0020
%RSD	166.5	26.99	9.590	45.20	84.75	266.0	34.19	13.19	.3974
#1	.0032	-.0023	.0027	-.0061	-.0014	-.0014	-.0032	.2483	.4974
#2	-.0003	-.0034	.0024	-.0031	-.0057	.0047	-.0020	.2059	.4946

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0332**	**.0738**	**1.520**	**971.7**	**.0997**	**-.0010**	**-.0017**	**.3609**	**.0034**
Stddev	.0036	.0670	.012	2.9	.0014	.0008	.0006	.0053	.0044
%RSD	10.79	90.78	.8076	.3031	1.420	74.05	34.38	1.474	131.4
#1	.0307	.1212	1.528	973.8	.1007	-.0016	-.0021	.3646	.0002
#2	.0357	.0264	1.511	969.6	.0987	-.0005	-.0013	.3571	.0065

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0106**	**.0010**	**-.0057**	**-.0013**	**.2050**	**.0003**	**.0165**
Stddev	.0000	.0009	.0046	.0006	.0232	.0027	.0046
%RSD	.2136	85.74	81.42	42.31	11.31	802.6	27.76
#1	.0107	.0004	-.0089	-.0009	.2214	.0023	.0197
#2	.0106	.0016	-.0024	-.0017	.1886	-.0016	.0132

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69845.**	**26991.**	**1080.1**	**3477.1**
Stddev	64.	54.	3.9	27.1
%RSD	.09221	.20024	.36013	.77814
#1	69891.	27029.	1077.4	3458.0
#2	69800.	26952.	1082.9	3496.2

Zoom In Zoom Out

Sample Name: MP87618-B1 Acquired: 7/14/2015 19:43:17 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.936**	**1.915**	**1.968**	**1.985**	**1.960**	**1.792**	**2.002**	**2.065**	**.2828**
Stddev	.004	.002	.007	.004	.001	.006	.000	.004	.0012
%RSD	.2007	.1216	.3557	.1850	.0384	.3589	.0123	.1835	.4156
#1	1.938	1.916	1.963	1.982	1.959	1.788	2.002	2.062	.2836
#2	1.933	1.913	1.973	1.987	1.961	1.797	2.002	2.068	.2820

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.966**	**2.023**	**1.922**	**1.970**	**2.015**	**1.963**	**1.914**	**23.18**	**24.29**
Stddev	.002	.010	.002	.007	.002	.018	.007	.03	.07
%RSD	.0984	.4929	.1112	.3505	.1014	.9264	.3553	.1160	.3050
#1	1.968	2.016	1.920	1.975	2.014	1.950	1.909	23.20	24.24
#2	1.965	2.030	1.924	1.966	2.017	1.976	1.919	23.17	24.34

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.14**	**23.45**	**25.32**	**1185.**	**2.045**	**1.958**	**1.920**	**.4345**	**1.958**
Stddev	.01	.01	.12	.	.008	.010	.009	.0116	.015
%RSD	.0557	.0274	.4621	.0409	.3929	.5031	.4702	2.659	.7826
#1	23.15	23.45	25.40	1186.	2.039	1.951	1.913	.4263	1.947
#2	23.13	23.44	25.24	1185.	2.050	1.964	1.926	.4426	1.968

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.969**	**1.965**	**1.849**	**1.867**	**.1540**	**.0130**	**.0188**
Stddev	.003	.001	.029	.002	.0050	.0007	.0026
%RSD	.1429	.0708	1.566	.1230	3.225	5.073	13.94
#1	1.971	1.966	1.828	1.866	.1505	.0125	.0170
#2	1.967	1.964	1.869	1.869	.1575	.0134	.0207

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70292.**	**27178.**	**1082.5**	**3427.5**
Stddev	193.	23.	3.9	5.5
%RSD	.27445	.08602	.35634	.16062
#1	70429.	27194.	1085.3	3431.4
#2	70156.	27161.	1079.8	3423.6

Zoom In Zoom Out

Sample Name: MP87618-S1 Acquired: 7/14/2015 19:49:16 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.365**	**1.926**	**1.985**	**2.003**	**1.954**	**1.823**	**7.049**	**2.075**	**.2872**
Stddev	.002	.006	.009	.000	.001	.004	.033	.003	.0014
%RSD	.0808	.3132	.4683	.0017	.0640	.2289	.4693	.1397	.4928
#1	2.364	1.921	1.978	2.003	1.955	1.826	7.025	2.073	.2862
#2	2.367	1.930	1.991	2.003	1.953	1.820	7.072	2.077	.2882

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.973**	**2.131**	**1.934**	**1.994**	**2.049**	**1.988**	**1.929**	**24.19**	**135.3**
Stddev	.006	.003	.007	.005	.001	.004	.008	.06	.0
%RSD	.3164	.1412	.3656	.2720	.0527	.2076	.3969	.2605	.0253
#1	1.969	2.129	1.929	1.991	2.048	1.991	1.923	24.23	135.3
#2	1.977	2.133	1.939	1.998	2.049	1.985	1.934	24.14	135.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.50**	**43.38**	**31.04**	**1148.**	**2.751**	**1.975**	**1.847**	**3.211**	**1.955**
Stddev	.01	.13	.06	.	.013	.010	.002	.025	.029
%RSD	.0465	.3089	.1925	.0073	.4704	.5227	.1267	.7901	1.496
#1	23.51	43.28	31.00	1148.	2.742	1.968	1.849	3.193	1.934
#2	23.50	43.47	31.08	1148.	2.760	1.982	1.845	3.229	1.976

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.144**	**1.985**	**1.912**	**1.891**	**1.055**	**.0192**	**.0229**
Stddev	.001	.004	.005	.001	.011	.0011	.0035
%RSD	.0436	.2277	.2597	.0540	1.027	5.463	15.07
#1	2.143	1.982	1.908	1.890	1.063	.0200	.0254
#2	2.145	1.989	1.915	1.892	1.048	.0185	.0205

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69602.**	**26933.**	**1068.4**	**3384.3**
Stddev	134.	61.	4.6	9.1
%RSD	.19275	.22641	.43367	.26937
#1	69697.	26890.	1071.7	3390.7
#2	69507.	26976.	1065.1	3377.8

Zoom In Zoom Out

Sample Name: MP87618-S2 Acquired: 7/14/2015 19:55:15 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.412**	**1.968**	**2.026**	**2.040**	**2.004**	**1.864**	**7.099**	**2.126**	**.2937**
Stddev	.003	.000	.003	.004	.001	.003	.001	.004	.0033
%RSD	.1110	.0203	.1280	.1965	.0518	.1830	.0168	.1641	1.134
#1	2.410	1.968	2.024	2.038	2.003	1.861	7.098	2.123	.2913
#2	2.413	1.968	2.028	2.043	2.005	1.866	7.100	2.128	.2960

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.008**	**2.183**	**1.995**	**2.032**	**2.094**	**2.022**	**1.976**	**24.73**	**136.6**
Stddev	.002	.008	.008	.001	.008	.005	.002	.01	.3
%RSD	.1064	.3854	.3800	.0575	.3860	.2587	.0978	.0445	.1886
#1	2.007	2.177	1.990	2.031	2.089	2.018	1.977	24.74	136.8
#2	2.010	2.189	2.001	2.032	2.100	2.025	1.975	24.73	136.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.22**	**44.05**	**31.38**	**1155.**	**2.780**	**2.028**	**1.889**	**3.115**	**2.016**
Stddev	.01	.08	.14	3.	.009	.004	.005	.014	.005
%RSD	.0601	.1715	.4477	.2433	.3148	.1972	.2447	.4462	.2667
#1	24.23	44.10	31.28	1153.	2.774	2.026	1.893	3.105	2.012
#2	24.21	44.00	31.48	1157.	2.786	2.031	1.886	3.125	2.019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.191**	**2.037**	**1.982**	**1.943**	**1.035**	**.0163**	**.0238**
Stddev	.004	.003	.001	.000	.033	.0039	.0009
%RSD	.1807	.1572	.0417	.0045	3.162	23.67	3.658
#1	2.189	2.034	1.982	1.943	1.058	.0190	.0244
#2	2.194	2.039	1.981	1.944	1.012	.0136	.0232

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69336.**	**26848.**	**1069.8**	**3386.5**
Stddev	31.	30.	1.0	1.2
%RSD	.04458	.11000	.09580	.03671
#1	69357.	26869.	1070.5	3387.4
#2	69314.	26827.	1069.0	3385.7

Zoom In Zoom Out

Sample Name: JB98742-1 Acquired: 7/14/2015 20:01:13 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: SPECTRA

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4090**	**.0003**	**.0017**	**.0096**	**-.0012**	**.0074**	**5.059**	**.0228**	**-.0034**
Stddev	.0002	.0002	.0003	.0016	.0011	.0003	.011	.0004	.0019
%RSD	.0602	51.54	15.68	16.66	90.16	4.008	.2129	1.770	56.82
#1	.4092	.0002	.0015	.0084	-.0004	.0072	5.052	.0225	-.0020
#2	.4088	.0004	.0019	.0107	-.0020	.0076	5.067	.0231	-.0047

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.1247**	**.0001**	**.0102**	**.0062**	**-.0095**	**-.0023**	**.7823**	**110.8**
Stddev	.0015	.0022	.0004	.0115	.0045	.0034	.0055	.0416	.5
%RSD	80.20	1.751	416.1	112.2	72.25	35.57	242.1	5.317	.4578
#1	.0028	.1232	-.0002	.0021	.0030	-.0071	-.0061	.8117	111.1
#2	.0008	.1263	.0004	.0184	.0094	-.0119	.0016	.7529	110.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3741**	**19.89**	**7.250**	**1115.**	**.7985**	**-.0012**	**.0037**	**2.899**	**.0011**
Stddev	.0078	.09	.032	13.	.0076	.0005	.0080	.002	.0036
%RSD	2.082	.4274	.4367	1.160	.9520	42.42	216.6	.0738	315.9
#1	.3796	19.95	7.272	1106.	.8038	-.0016	.0093	2.898	.0037
#2	.3686	19.83	7.227	1124.	.7931	-.0009	-.0020	2.901	-.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1710**	**.0101**	**.0004**	**.0087**	**1.135**	**.0017**	**.0205**
Stddev	.0001	.0002	.0054	.0003	.009	.0048	.0029
%RSD	.0313	1.953	1299.	3.159	.7860	280.0	14.35
#1	.1710	.0100	.0043	.0089	1.129	-.0017	.0185
#2	.1710	.0102	-.0034	.0085	1.141	.0051	.0226

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69338.**	**26922.**	**1067.2**	**3403.7**
Stddev	391.	32.	.1	1.8
%RSD	.56349	.11757	.00730	.05406
#1	69614.	26900.	1067.1	3405.0
#2	69062.	26944.	1067.2	3402.4

Zoom In Zoom Out

Sample Name: MP87618-SD1 Acquired: 7/14/2015 20:07:21 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 25.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4053**	**-.0004**	**-.0002**	**.0056**	**-.0019**	**.0082**	**5.136**	**.0484**	**-.0157**
Stddev	.0050	.0002	.0033	.0027	.0006	.0037	.001	.0091	.0016
%RSD	1.238	56.69	2131.	49.01	32.87	44.92	.0195	18.90	10.32
#1	.4018	-.0005	.0021	.0037	-.0023	.0056	5.136	.0419	-.0168
#2	.4089	-.0002	-.0025	.0075	-.0015	.0108	5.135	.0549	-.0146

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.1251**	**-.0048**	**.0037**	**-.0133**	**-.0227**	**-.0234**	**.7770**	**110.5**
Stddev	.0023	.0051	.0015	.0481	.0220	.0151	.0094	.0471	.2
%RSD	573.0	4.068	32.08	1305.	165.6	66.59	40.12	6.062	.1894
#1	.0021	.1215	-.0037	.0377	-.0288	-.0334	-.0300	.8103	110.6
#2	-.0012	.1287	-.0059	-.0303	.0023	-.0120	-.0168	.7437	110.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3852**	**20.03**	**6.650**	**1117.**	**.7542**	**.0005**	**.0014**	**3.017**	**-.0122**
Stddev	.0004	.44	.545	1.	.0175	.0020	.0057	.011	.0397
%RSD	.0928	2.185	8.202	.1228	2.321	414.8	400.7	.3700	325.7
#1	.3855	20.34	7.036	1116.	.7418	-.0009	-.0026	3.009	.0159
#2	.3850	19.72	6.265	1118.	.7666	.0019	.0055	3.025	-.0402

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1696**	**.0165**	**.0113**	**.0103**	**1.060**	**-.0043**	**.0205**
Stddev	.0013	.0016	.0172	.0017	.023	.0046	.0026
%RSD	.7479	9.749	151.4	16.80	2.128	106.0	12.63
#1	.1705	.0177	.0235	.0116	1.044	-.0075	.0187
#2	.1687	.0154	-.0008	.0091	1.076	-.0011	.0224

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72108.**	**27163.**	**1102.0**	**3666.5**
Stddev	203.	61.	.5	.5
%RSD	.28097	.22378	.04357	.01484
#1	72251.	27120.	1102.3	3666.1
#2	71965.	27206.	1101.7	3666.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 20:13:24 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.049**	**2.018**	**1.984**	**2.008**	**2.005**	**1.961**	**2.045**	**2.065**	**.2490**
Stddev	.004	.001	.000	.001	.007	.007	.002	.004	.0005
%RSD	.1930	.0695	.0192	.0299	.3434	.3389	.1025	.2094	.1994
#1	2.047	2.017	1.985	2.008	2.010	1.957	2.043	2.062	.2493
#2	2.052	2.019	1.984	2.009	2.000	1.966	2.046	2.068	.2486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.001**	**2.028**	**1.970**	**2.023**	**2.061**	**1.976**	**1.981**	**39.10**	**39.43**
Stddev	.001	.006	.004	.006	.000	.001	.001	.13	.08
%RSD	.0490	.2809	.1953	.3101	.0141	.0504	.0318	.3274	.1994
#1	2.002	2.024	1.973	2.018	2.060	1.977	1.980	39.00	39.49
#2	2.001	2.032	1.968	2.027	2.061	1.975	1.981	39.19	39.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.81**	**39.05**	**38.05**	**38.97**	**2.024**	**2.019**	**1.971**	**4.889**	**2.031**
Stddev	.09	.04	.20	.18	.003	.002	.009	.001	.002
%RSD	.2189	.1142	.5245	.4628	.1419	.0873	.4442	.0133	.1121
#1	40.74	39.02	37.91	38.84	2.022	2.018	1.965	4.889	2.032
#2	40.87	39.08	38.19	39.10	2.026	2.020	1.977	4.888	2.029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 20:13:24 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.034**	**2.033**	**2.023**	**2.006**	**2.014**	**2.009**	**1.948**
Stddev	.001	.002	.001	.002	.000	.004	.013
%RSD	.0297	.1101	.0471	.1105	.0090	.2009	.6513
#1	2.033	2.031	2.023	2.004	2.014	2.011	1.939
#2	2.034	2.035	2.024	2.007	2.014	2.006	1.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71338.**	**26612.**	**1088.5**	**3516.4**
Stddev	244.	23.	.5	.3
%RSD	.34235	.08579	.04656	.00759
#1	71510.	26595.	1088.1	3516.6
#2	71165.	26628.	1088.9	3516.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 20:19:21 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0001**	**-.0003**	**-.0003**	**-.0004**	**.0001**	**.0020**	**-.0008**
Stddev	.0001	.0001	.0002	.0001	.0003	.0000	.0000	.0000	.0002
%RSD	57.31	241.4	259.1	36.75	86.09	5.555	28.00	1.764	21.34
#1	.0001	.0000	.0000	-.0002	-.0005	-.0004	.0001	.0020	-.0007
#2	.0002	.0001	.0002	-.0004	-.0001	-.0003	.0001	.0019	-.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0003**	**.0004**	**.0007**	**-.0001**	**-.0002**	**.0005**	**-.0008**	**-.0038**
Stddev	.0004	.0003	.0004	.0010	.0006	.0005	.0009	.0006	.0002
%RSD	244.6	80.24	86.86	151.8	628.6	313.1	169.8	71.21	5.517
#1	-.0001	-.0005	.0002	-.0001	-.0006	-.0005	-.0001	-.0004	-.0039
#2	.0004	-.0001	.0007	.0014	.0004	.0002	.0012	-.0012	-.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0200**	**-.0285**	**.0151**	**-.0004**	**.0001**	**.0004**	**.0027**	**-.0004**
Stddev	.0017	.0130	.0052	.0010	.0003	.0001	.0003	.0012	.0005
%RSD	178.3	65.02	18.06	6.531	69.64	102.4	64.88	45.32	103.0
#1	.0003	.0292	-.0249	.0144	-.0002	.0001	.0006	.0018	-.0001
#2	-.0022	.0108	-.0322	.0158	-.0006	.0000	.0002	.0036	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 20:19:21 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0003**	**.0007**	**.0001**	**.0013**	**-.0007**	**-.0002**
Stddev	.0000	.0000	.0011	.0000	.0019	.0007	.0002
%RSD	322.3	6.071	156.2	9.839	140.3	90.76	98.00
#1	.0000	-.0003	-.0001	.0001	.0000	-.0012	-.0004
#2	.0000	-.0003	.0014	.0001	.0027	-.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73413.**	**27231.**	**1115.9**	**3773.4**
Stddev	5.	46.	2.3	8.1
%RSD	.00737	.16780	.20423	.21522
#1	73417.	27263.	1117.5	3779.1
#2	73410.	27198.	1114.3	3767.6

Zoom In Zoom Out

Sample Name: JB98742-2 Acquired: 7/14/2015 20:25:27 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: SPECTRA

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2521**	**.0003**	**.0016**	**.0076**	**.0018**	**.0091**	**2.922**	**.0153**	**-.0042**
Stddev	.0009	.0000	.0017	.0008	.0010	.0003	.003	.0016	.0020
%RSD	.3666	16.28	103.8	10.51	54.30	2.989	.0916	10.41	46.12
#1	.2527	.0003	.0029	.0082	.0011	.0093	2.924	.0141	-.0056
#2	.2514	.0002	.0004	.0070	.0025	.0089	2.920	.0164	-.0029

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0050**	**.1258**	**-.0014**	**-.0020**	**.0202**	**.0071**	**.0062**	**.7755**	**43.91**
Stddev	.0010	.0008	.0015	.0049	.0020	.0028	.0048	.0394	.07
%RSD	19.21	.6016	106.2	249.2	10.02	39.04	77.20	5.085	.1499
#1	.0057	.1252	-.0003	.0015	.0187	.0051	.0096	.8034	43.86
#2	.0043	.1263	-.0024	-.0054	.0216	.0090	.0028	.7476	43.95

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.4925**	**9.011**	**8.764**	**1118.**	**.7612**	**-.0023**	**-.0002**	**2.668**	**.0017**
Stddev	.0411	.025	.145	6.	.0019	.0006	.0008	.007	.0055
%RSD	8.343	.2740	1.660	.5066	.2490	28.38	503.2	.2518	320.4
#1	.4634	8.994	8.867	1114.	.7625	-.0018	.0004	2.673	-.0022
#2	.5215	9.029	8.661	1122.	.7598	-.0027	-.0007	2.663	.0056

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0786**	**.0085**	**.0028**	**.0022**	**1.352**	**-.0004**	**.0152**
Stddev	.0003	.0006	.0074	.0003	.005	.0024	.0026
%RSD	.3478	6.591	263.6	11.99	.3550	671.0	16.92
#1	.0784	.0081	-.0024	.0023	1.356	.0014	.0134
#2	.0788	.0088	.0080	.0020	1.349	-.0021	.0170

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69551.**	**27074.**	**1065.4**	**3407.9**
Stddev	239.	74.	.1	2.3
%RSD	.34429	.27160	.01066	.06891
#1	69720.	27126.	1065.5	3409.5
#2	69381.	27022.	1065.4	3406.2

Zoom In Zoom Out

Sample Name: JB98380-5ARconf Acquired: 7/14/2015 20:31:35 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1245**	**-.0002**	**.0001**	**.0003**	**.0038**	**.0135**	**.0844**	**.0095**	**-.0015**
Stddev	.0006	.0001	.0000	.0006	.0008	.0007	.0002	.0012	.0006
%RSD	.4704	67.91	47.18	223.3	20.29	4.963	.2774	12.92	38.01
#1	.1249	-.0003	.0001	-.0002	.0032	.0139	.0843	.0103	-.0019
#2	.1241	-.0001	.0001	.0007	.0043	.0130	.0846	.0086	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0047**	**.0190**	**.9424**	**-.0016**	**.0065**	**.0044**	**.0253**	**1.571**	**66.86**
Stddev	.0012	.0005	.0031	.0038	.0051	.0125	.0023	.002	.15
%RSD	25.94	2.755	.3318	234.6	78.10	281.9	9.024	.1394	.2233
#1	.0038	.0186	.9446	.0011	.0029	.0133	.0269	1.573	66.76
#2	.0056	.0194	.9402	-.0044	.0101	-.0044	.0237	1.570	66.97

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.265**	**5.579**	**20.56**	**1138.**	**.1955**	**.0019**	**.0149**	**3.286**	**.0062**
Stddev	.034	.079	.01	1.	.0004	.0013	.0036	.011	.0077
%RSD	2.701	1.406	.0499	.1009	.1813	64.86	24.30	.3311	123.4
#1	1.241	5.635	20.55	1137.	.1958	.0010	.0123	3.293	.0008
#2	1.289	5.524	20.56	1139.	.1953	.0028	.0174	3.278	.0117

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3826**	**.0485**	**.0031**	**.0109**	**22.64**	**-.0024**	**.0087**
Stddev	.0001	.0013	.0014	.0006	.08	.0012	.0014
%RSD	.0285	2.594	46.32	5.850	.3390	48.47	15.67
#1	.3825	.0476	.0021	.0113	22.70	-.0033	.0077
#2	.3827	.0494	.0041	.0104	22.59	-.0016	.0096

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69107.**	**26919.**	**1057.5**	**3389.4**
Stddev	177.	82.	1.9	4.5
%RSD	.25662	.30386	.18096	.13143
#1	68981.	26976.	1056.1	3386.2
#2	69232.	26861.	1058.8	3392.5

Zoom In Zoom Out

Sample Name: mp87617-b2 2 Acquired: 7/14/2015 20:37:42 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.906**	**1.878**	**1.943**	**1.947**	**1.931**	**1.764**	**1.981**	**2.024**	**.2232**
Stddev	.004	.003	.001	.008	.002	.001	.001	.004	.0022
%RSD	.1821	.1323	.0432	.4307	.1268	.0261	.0482	.1843	.9902
#1	1.903	1.879	1.943	1.941	1.929	1.764	1.981	2.021	.2247
#2	1.908	1.876	1.944	1.953	1.933	1.765	1.982	2.026	.2216

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.926**	**1.997**	**1.922**	**1.932**	**1.993**	**1.990**	**1.890**	**22.66**	**23.61**
Stddev	.002	.013	.005	.002	.001	.003	.004	.05	.07
%RSD	.1023	.6274	.2457	.0902	.0605	.1688	.1983	.2156	.2989
#1	1.927	1.988	1.919	1.931	1.994	1.993	1.892	22.63	23.66
#2	1.924	2.006	1.925	1.933	1.992	1.988	1.887	22.70	23.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.70**	**22.73**	**24.99**	**1204.**	**2.061**	**1.930**	**1.900**	**.3931**	**1.919**
Stddev	.05	.10	.08	11.	.010	.006	.002	.0039	.001
%RSD	.2051	.4285	.3383	.9284	.4778	.3047	.0883	1.004	.0753
#1	22.73	22.80	25.05	1196.	2.054	1.925	1.901	.3903	1.918
#2	22.66	22.67	24.93	1212.	2.068	1.934	1.899	.3959	1.920

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.942**	**1.933**	**1.916**	**1.850**	**.1693**	**.0159**	**.0160**
Stddev	.002	.006	.010	.003	.0052	.0011	.0017
%RSD	.0986	.3043	.5155	.1639	3.099	6.948	10.49
#1	1.940	1.929	1.909	1.852	.1656	.0151	.0148
#2	1.943	1.937	1.923	1.848	.1730	.0167	.0172

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69007.**	**26878.**	**1074.7**	**3404.8**
Stddev	9.	7.	1.9	.7
%RSD	.01336	.02606	.17237	.02198
#1	69014.	26883.	1076.0	3405.3
#2	69001.	26873.	1073.4	3404.3

Zoom In Zoom Out

Sample Name: mp87610-mb1conf Acquired: 7/14/2015 20:43:42 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**.0000**	**-.0001**	**-.0003**	**.0000**	**-.0001**	**.0001**	**.0010**	**-.0007**
Stddev	.000	.000	.0001	.0001	.000	.0002	.0001	.0001	.0004
%RSD	3154.	554.4	96.02	45.68	237.8	185.9	41.78	11.42	60.97
#1	.0000	-.0001	.0000	-.0004	.0000	-.0003	.0001	.0011	-.0004
#2	.0000	.0001	-.0001	-.0002	-.0001	.0000	.0002	.0010	-.0010

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0003**	**.0006**	**.0005**	**-.0006**	**.0013**	**-.0004**	**.0437**	**.0950**
Stddev	.0001	.0001	.0009	.0007	.0009	.0013	.0003	.0079	.0023
%RSD	34.75	14.80	153.7	123.8	154.9	100.2	68.73	18.10	2.458
#1	.0002	.0004	-.0001	.0001	-.0012	.0004	-.0005	.0381	.0934
#2	.0001	.0003	.0013	.0010	.0001	.0022	-.0002	.0493	.0967

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0036**	**.0135**	**-.0005**	**.1816**	**.0046**	**-.0001**	**.0002**	**.0132**	**.0007**
Stddev	.0011	.0152	.0137	.0076	.0003	.0002	.0006	.0014	.0000
%RSD	32.05	112.9	2756.	4.183	6.057	341.0	358.9	10.85	4.196
#1	.0044	.0243	.0092	.1870	.0047	.0001	.0006	.0122	.0006
#2	.0028	.0027	-.0102	.1763	.0044	-.0002	-.0002	.0143	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0006**	**.0000**	**.0004**	**.0009**	**.1362**	**.0001**	**.0001**
Stddev	.0000	.000	.0011	.0002	.0006	.0007	.0003
%RSD	.0023	268.5	264.0	19.19	.4631	499.1	415.5
#1	.0006	-.0001	-.0004	.0010	.1358	.0006	.0003
#2	.0006	.0000	.0012	.0008	.1367	-.0003	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	73366.	27182.	1109.8	3774.6
Stddev	96.	16.	6.8	26.6
%RSD	.13076	.05850	.61194	.70407
#1	73298.	27170.	1114.6	3793.4
#2	73434.	27193.	1105.0	3755.8

Zoom In Zoom Out

Sample Name: mp87610-s1 2 Acquired: 7/14/2015 20:49:47 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.969**	**1.881**	**2.009**	**1.907**	**1.870**	**1.957**	F **15.23**	**1.939**	**.2603**
Stddev	.004	.003	.000	.006	.008	.003	.05	.005	.0011
%RSD	.1398	.1362	.0139	.2957	.4066	.1620	.3509	.2416	.4290
#1	2.966	1.883	2.009	1.903	1.876	1.955	15.19	1.935	.2595
#2	2.972	1.880	2.009	1.911	1.865	1.959	15.27	1.942	.2611

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.892**	**1.884**	**1.970**	**1.786**	**1.920**	**1.978**	**1.976**	**24.75**	**176.3**
Stddev	.002	.002	.006	.003	.002	.001	.004	.04	3.2
%RSD	.0944	.0867	.3250	.1666	.1049	.0294	.1990	.1486	1.812
#1	1.891	1.883	1.975	1.788	1.919	1.978	1.973	24.72	174.0
#2	1.893	1.885	1.966	1.783	1.922	1.979	1.979	24.77	178.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**163.7**	**68.46**	**30.84**	F **511.6**	**2.034**	**1.925**	**1.942**	**9.303**	**1.883**
Stddev	.2	.10	.12	5.1	.000	.002	.002	.007	.001
%RSD	.0964	.1390	.3729	1.003	.0167	.0812	.0941	.0750	.0616
#1	163.8	68.52	30.76	507.9	2.034	1.926	1.941	9.308	1.884
#2	163.6	68.39	30.92	515.2	2.034	1.924	1.944	9.298	1.883

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.535**	**1.922**	**1.947**	**1.899**	**.3752**	**.0145**	**.0095**
Stddev	.005	.003	.005	.002	.0007	.0000	.0009
%RSD	.2048	.1732	.2719	.0949	.1735	.2945	9.237
#1	2.532	1.924	1.943	1.898	.3748	.0145	.0089
#2	2.539	1.919	1.950	1.900	.3757	.0144	.0101

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	66494.	25912.	993.71	3139.6
Stddev	30.	13.	.96	.6
%RSD	.04517	.04877	.09627	.01831
#1	66516.	25921.	993.03	3140.0
#2	66473.	25903.	994.39	3139.2

Zoom In Zoom Out

Sample Name: mp87610-s2 Acquired: 7/14/2015 20:56:01 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.012**	**1.892**	**2.021**	**1.914**	**1.878**	**1.974**	F **15.71**	**1.949**	**.2503**
Stddev	.002	.000	.006	.003	.001	.003	.07	.002	.0004
%RSD	.0678	.0187	.2908	.1639	.0558	.1332	.4233	.0911	.1629
#1	3.011	1.892	2.016	1.912	1.878	1.975	15.67	1.948	.2505
#2	3.014	1.891	2.025	1.916	1.879	1.972	15.76	1.951	.2500

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.915**	**1.892**	**1.980**	**1.794**	**1.930**	**1.994**	**1.978**	**24.90**	**182.7**
Stddev	.003	.003	.003	.001	.006	.008	.008	.00	.1
%RSD	.1424	.1330	.1251	.0727	.3194	.4235	.3937	.0130	.0764
#1	1.917	1.890	1.978	1.795	1.926	1.988	1.972	24.90	182.8
#2	1.913	1.894	1.982	1.794	1.934	2.000	1.983	24.90	182.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**168.6**	**70.19**	**31.36**	F **529.7**	**2.050**	**1.922**	**1.991**	**9.696**	**1.880**
Stddev	.1	.01	.01	.8	.005	.010	.009	.038	.011
%RSD	.0384	.0077	.0360	.1475	.2554	.5213	.4651	.3948	.5814
#1	168.6	70.19	31.35	529.2	2.046	1.914	1.998	9.669	1.872
#2	168.7	70.20	31.36	530.3	2.054	1.929	1.985	9.723	1.887

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.561**	**1.929**	**1.943**	**1.906**	**.3990**	**.0162**	**.0089**
Stddev	.009	.004	.010	.000	.0064	.0008	.0008
%RSD	.3412	.2179	.5138	.0148	1.614	4.744	8.762
#1	2.555	1.926	1.936	1.906	.3944	.0156	.0095
#2	2.568	1.932	1.950	1.905	.4035	.0167	.0083

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	65780.	25875.	990.57	3126.3
Stddev	28.	112.	3.94	7.1
%RSD	.04207	.43309	.39814	.22796
#1	65760.	25955.	993.36	3131.3
#2	65799.	25796.	987.78	3121.2

Zoom In Zoom Out

Sample Name: jb98819-9f Acquired: 7/14/2015 21:02:15 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.029**	**.0004**	**.0007**	**.0066**	**-.0001**	**.0096**	F **14.71**	**.0056**	**.0022**
Stddev	.000	.0000	.0002	.0004	.0002	.0000	.05	.0005	.0002
%RSD	.0269	8.435	27.40	6.645	139.3	.2797	.3241	9.433	8.909
#1	1.028	.0004	.0008	.0063	.0000	.0096	14.75	.0059	.0021
#2	1.029	.0004	.0006	.0069	-.0002	.0096	14.68	.0052	.0023

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0062**	**-.0053**	**.0080**	**.0007**	**.0040**	**-.0084**	**-.0004**	**.0938**	**160.4**
Stddev	.0001	.0002	.0012	.0007	.0018	.0016	.0024	.0133	.2
%RSD	1.206	3.862	14.71	104.0	46.21	19.42	636.6	14.21	.1364
#1	.0063	-.0051	.0089	.0002	.0027	-.0095	.0013	.0844	160.6
#2	.0062	-.0054	.0072	.0012	.0053	-.0072	-.0021	.1032	160.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**149.2**	**45.48**	**4.924**	F **501.4**	**.1737**	**.0008**	**.0084**	**9.538**	**-.0024**
Stddev	.1	.03	.028	.9	.0010	.0004	.0007	.019	.0019
%RSD	.0929	.0665	.5684	.1735	.5511	47.20	7.853	.2006	78.73
#1	149.3	45.50	4.904	502.0	.1730	.0010	.0079	9.524	-.0011
#2	149.1	45.46	4.944	500.8	.1743	.0005	.0089	9.551	-.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6019**	**-.0012**	**.0240**	**-.0036**	**2.005**	**-.0001**	**.0129**
Stddev	.0002	.0001	.0015	.0001	.014	.0005	.0000
%RSD	.0299	5.327	6.346	1.796	.6827	513.1	.1461
#1	.6018	-.0011	.0230	-.0036	1.995	.0003	.0129
#2	.6020	-.0012	.0251	-.0037	2.014	-.0005	.0129

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	65104.	25830.	992.05	3139.9
Stddev	180.	35.	2.11	3.4
%RSD	.27675	.13532	.21259	.10755
#1	65231.	25806.	993.54	3142.3
#2	64976.	25855.	990.55	3137.6

Zoom In Zoom Out

Sample Name: mp87610-sd1 Acquired: 7/14/2015 21:08:33 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.002**	**.0005**	**.0008**	**.0047**	**-.0014**	**.0114**	**16.12**	**.0132**	**.0007**
Stddev	.001	.0001	.0011	.0004	.0030	.0015	.04	.0006	.0020
%RSD	.0844	11.14	129.1	8.291	213.4	13.11	.2255	4.170	285.1
#1	1.003	.0005	.0016	.0044	-.0036	.0104	16.10	.0136	.0021
#2	1.002	.0004	.0001	.0049	.0007	.0125	16.15	.0128	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0083**	**-.0007**	**.0092**	**.0093**	**.0009**	**-.0051**	**-.0011**	**.2082**	**159.9**
Stddev	.0010	.0011	.0004	.0034	.0079	.0027	.0003	.0314	.6
%RSD	12.08	176.4	4.458	36.07	896.2	52.33	27.53	15.07	.3868
#1	.0076	-.0015	.0089	.0117	-.0047	-.0070	-.0009	.2304	160.3
#2	.0090	.0002	.0095	.0069	.0065	-.0032	-.0013	.1860	159.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**152.1**	**44.30**	**4.441**	**488.1**	**.1704**	**-.0009**	**.0126**	**9.375**	**-.0077**
Stddev	.2	.04	.056	8.9	.0024	.0007	.0038	.112	.0031
%RSD	.1288	.0884	1.250	1.824	1.417	72.99	30.08	1.193	39.78
#1	152.3	44.27	4.480	481.8	.1687	-.0014	.0153	9.296	-.0055
#2	152.0	44.33	4.402	494.3	.1721	-.0005	.0099	9.454	-.0099

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5914**	**-.0021**	**.0331**	**-.0043**	**1.927**	**.0029**	**.0119**
Stddev	.0012	.0002	.0024	.0003	.026	.0002	.0026
%RSD	.2026	10.87	7.291	7.351	1.336	7.737	22.07
#1	.5923	-.0023	.0348	-.0041	1.909	.0030	.0101
#2	.5906	-.0019	.0314	-.0045	1.945	.0027	.0138

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70184.**	**26755.**	**1069.9**	**3508.9**
Stddev	183.	173.	3.1	9.1
%RSD	.26014	.64756	.28708	.25798
#1	70313.	26632.	1072.1	3515.3
#2	70055.	26877.	1067.8	3502.5

Zoom In Zoom Out

Sample Name: mp87527-b1 3 Acquired: 7/14/2015 21:14:40 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: splp

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.034**	**2.013**	**1.976**	**1.991**	**2.016**	**1.953**	**2.049**	**2.044**	**.2285**
Stddev	.005	.002	.004	.000	.009	.006	.000	.001	.0004
%RSD	.2460	.1045	.1970	.0128	.4488	.2968	.0114	.0352	.1807
#1	2.038	2.012	1.973	1.991	2.010	1.949	2.049	2.044	.2288
#2	2.031	2.015	1.979	1.991	2.023	1.957	2.050	2.045	.2282

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.004**	**2.043**	**1.935**	**2.017**	**2.033**	**1.954**	**1.963**	**24.34**	**24.45**
Stddev	.001	.001	.001	.001	.002	.007	.004	.03	.02
%RSD	.0625	.0238	.0513	.0570	.1026	.3455	.2220	.1326	.0702
#1	2.003	2.042	1.934	2.017	2.032	1.949	1.960	24.36	24.44
#2	2.005	2.043	1.936	2.016	2.035	1.959	1.966	24.31	24.46

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.15**	**24.24**	**23.76**	**24.74**	**1.985**	**2.020**	**1.790**	**.4933**	**2.032**
Stddev	.02	.03	.02	.04	.004	.007	.006	.0018	.002
%RSD	.0742	.1113	.0825	.1421	.1859	.3693	.3109	.3739	.1200
#1	24.14	24.22	23.75	24.77	1.983	2.015	1.786	.4920	2.031
#2	24.17	24.26	23.77	24.72	1.988	2.025	1.794	.4946	2.034

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.021**	**2.024**	**1.993**	**1.964**	**.4817**	**.0151**	**.0008**
Stddev	.015	.003	.001	.002	.0006	.0011	.0012
%RSD	.7204	.1627	.0474	.0959	.1262	7.072	149.2
#1	2.032	2.022	1.992	1.962	.4822	.0159	.0000
#2	2.011	2.026	1.994	1.965	.4813	.0144	.0016

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71542.**	**26652.**	**1088.1**	**3591.7**
Stddev	26.	26.	1.3	.2
%RSD	.03594	.09745	.12378	.00467
#1	71524.	26633.	1089.1	3591.6
#2	71561.	26670.	1087.2	3591.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 21:20:35 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.045**	**2.036**	**2.003**	**2.030**	**2.033**	**1.965**	**2.069**	**2.083**	**.2517**
Stddev	.000	.005	.002	.004	.000	.005	.004	.005	.0002
%RSD	.0163	.2303	.1212	.2085	.0098	.2664	.1905	.2380	.0953
#1	2.045	2.033	2.001	2.027	2.033	1.968	2.066	2.080	.2515
#2	2.045	2.040	2.005	2.033	2.032	1.961	2.072	2.087	.2518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.022**	**2.059**	**1.980**	**2.033**	**2.075**	**1.982**	**1.988**	**39.22**	**40.01**
Stddev	.002	.004	.005	.006	.001	.009	.008	.04	.03
%RSD	.1006	.1933	.2456	.2889	.0219	.4309	.4149	.1035	.0773
#1	2.021	2.056	1.977	2.037	2.074	1.976	1.982	39.19	39.99
#2	2.023	2.062	1.983	2.029	2.075	1.988	1.994	39.25	40.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.05**	**39.35**	**38.39**	**39.15**	**2.031**	**2.034**	**1.980**	**4.895**	**2.045**
Stddev	.08	.11	.07	.05	.001	.003	.003	.010	.006
%RSD	.1996	.2817	.1731	.1369	.0388	.1238	.1656	.2127	.2957
#1	40.99	39.27	38.44	39.19	2.031	2.032	1.977	4.887	2.041
#2	41.11	39.43	38.35	39.11	2.032	2.036	1.982	4.902	2.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 21:20:35 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.053**	**2.051**	**2.036**	**2.019**	**2.040**	**2.008**	**1.953**
Stddev	.011	.002	.003	.002	.011	.001	.000
%RSD	.5373	.0856	.1333	.1017	.5301	.0319	.0084
#1	2.061	2.050	2.034	2.017	2.032	2.008	1.953
#2	2.046	2.053	2.038	2.020	2.048	2.009	1.953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**71177.**	**26668.**	**1092.0**	**3521.2**
Stddev	139.	84.	.6	3.6
%RSD	.19583	.31433	.05455	.10115
#1	71276.	26608.	1092.4	3523.7
#2	71079.	26727.	1091.5	3518.7

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 21:26:32 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0000**	**-.0003**	**.0000**	**-.0001**	**.0001**	**-.0004**	**-.0008**
Stddev	.0001	.0000	.000	.0003	.000	.0002	.0000	.0006	.0001
%RSD	89.13	12.22	56.94	87.74	229.9	113.9	14.41	165.1	6.737
#1	.0000	.0000	.0000	-.0001	-.0001	-.0003	.0001	.0001	-.0008
#2	.0001	.0000	.0000	-.0005	.0000	.0000	.0001	-.0008	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0003**	**.0003**	**.0015**	**-.0003**	**.0012**	**.0015**	**.0003**	**-.0043**
Stddev	.0001	.0001	.0002	.0009	.0010	.0007	.0003	.0008	.0021
%RSD	27.07	43.23	74.26	61.94	291.2	55.73	18.77	244.1	49.71
#1	.0003	-.0004	.0001	.0008	.0003	.0016	.0017	-.0002	-.0058
#2	.0004	-.0002	.0004	.0022	-.0010	.0007	.0013	.0009	-.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0031**	**.0205**	**-.0046**	**.0303**	**.0005**	**.0007**	**.0012**	**.0008**	**.0012**
Stddev	.0037	.0125	.0209	.0018	.0003	.0002	.0001	.0000	.0004
%RSD	120.1	60.73	457.3	5.938	60.80	21.83	9.283	6.140	31.12
#1	.0005	.0117	.0102	.0290	.0008	.0008	.0013	.0007	.0015
#2	.0057	.0293	-.0194	.0316	.0003	.0006	.0011	.0008	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 21:26:32 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0024**	**.0001**	**.0007**	**-.0005**	**-.0004**
Stddev	.0000	.0003	.0005	.0001	.0011	.0007	.0002
%RSD	163.9	733.8	19.27	54.51	159.8	147.1	54.79
#1	.0001	.0002	.0021	.0001	-.0001	-.0010	-.0005
#2	.0000	-.0002	.0027	.0002	.0015	.0000	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74027.**	**27103.**	**1125.8**	**3792.9**
Stddev	545.	3.	3.6	4.2
%RSD	.73610	.01277	.31952	.11135
#1	73642.	27105.	1128.4	3795.9
#2	74412.	27100.	1123.3	3789.9

Zoom In Zoom Out

Sample Name: cri Acquired: 7/14/2015 21:32:37 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2012**	**.0020**	**.0030**	**.0524**	**.0105**	**.0108**	**.0166**	**.0090**
Stddev	.0000	.0000	.0000	.0006	.0007	.0002	.0000	.0003
%RSD	.0155	2.359	1.571	1.062	6.668	2.212	.1271	3.628
#1	.2012	.0019	.0030	.0521	.0100	.0109	.0166	.0087
#2	.2012	.0020	.0031	.0528	.0110	.0106	.0166	.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0048**	**.0529**	**.0234**	W **.0098**	**.0095**	W **.0023**	**.0100**	**.0066**
Stddev	.0004	.0004	.0000	.0005	.0001	.0006	.0003	.0003
%RSD	8.996	.7308	.0440	5.089	1.083	27.78	2.667	5.293
#1	.0045	.0532	.0234	.0094	.0094	.0019	.0098	.0064
#2	.0051	.0527	.0233	.0101	.0096	.0028	.0101	.0069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
Value				.0080		.0030		
Range				20.00%		-20.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2015**	**4.862**	**.1007**	**4.696**	**4.450**	**4.666**	**.1017**	**.0207**
Stddev	.0026	.003	.0016	.005	.005	.005	.0009	.0001
%RSD	1.266	.0549	1.592	.1035	.1237	.1060	.8596	.5925
#1	.1997	4.860	.0995	4.699	4.454	4.669	.1011	.0208
#2	.2033	4.863	.1018	4.692	4.446	4.662	.1023	.0206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 7/14/2015 21:32:37 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0489**	**.1933**	**.0117**	**.0105**	**.0104**	**.0553**	**.0100**	**.0504**
Stddev	.0010	.0002	.0004	.0000	.0000	.0007	.0001	.0073
%RSD	2.062	.1007	3.811	.3100	.1748	1.300	.9922	14.51
#1	.0482	.1932	.0113	.0105	.0104	.0548	.0099	.0556
#2	.0496	.1935	.0120	.0106	.0104	.0558	.0100	.0453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0211**	**.0206**
Stddev	.0010	.0010
%RSD	4.962	4.990
#1	.0204	.0213
#2	.0219	.0199
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72877.**	**27104.**	**1118.3**	**3749.4**
Stddev	92.	12.	.9	1.4
%RSD	.12669	.04469	.08009	.03745
#1	72942.	27112.	1117.7	3748.4
#2	72812.	27095.	1119.0	3750.4

Zoom In Zoom Out

Sample Name: crid Acquired: 7/14/2015 21:38:40 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0040**	**.0009**	**.0010**	**.0028**	**.0023**	F **.0012**	**.0032**	F **.0026**
Stddev	.0001	.0000	.0001	.0003	.0000	.0000	.0000	.0001
%RSD	3.451	2.507	5.716	9.666	.1963	1.889	.8521	4.580
#1	.0041	.0010	.0010	.0026	.0023	.0012	.0032	.0025
#2	.0039	.0009	.0011	.0030	.0023	.0012	.0032	.0027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value						.0020		.0040
Range						-30.00%		-30.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0013**	**.0023**	**.0116**	**.0026**	W **.0026**	F **.0016**	F **.0066**	**.0031**
Stddev	.0002	.0005	.0003	.0004	.0016	.0001	.0001	.0006
%RSD	13.65	19.95	2.281	16.58	61.15	6.648	1.072	19.80
#1	.0015	.0027	.0118	.0029	.0037	.0016	.0067	.0026
#2	.0012	.0020	.0114	.0023	.0015	.0015	.0066	.0035
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Fail	Chk Pass
Value	.0020				.0020	.0025	.0050	
Range	-30.00%				20.00%	-30.00%	30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1009**	**.9579**	**-.0001**	**.1081**	**1.721**	**.9068**	**.0084**	**.0001**
Stddev	.0017	.0019	.0002	.0109	.009	.0052	.0008	.0001
%RSD	1.662	.2023	157.7	10.12	.5405	.5750	10.07	48.98
#1	.0997	.9593	-.0003	.1003	1.714	.9031	.0078	.0002
#2	.1021	.9566	.0000	.1158	1.728	.9105	.0090	.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/14/2015 21:38:40 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0009**	**.0043**	**.0000**	**-.0004**	F **.0016**	F **.0000**	F **.0007**
Stddev	.0006	.0001	.0010	.000	.0002	.0010	.000	.0017
%RSD	126.2	8.549	24.56	102.7	33.74	63.35	175.0	228.4
#1	.0000	.0008	.0035	.0000	-.0003	.0023	.0000	-.0005
#2	.0009	.0009	.0050	-.0001	-.0006	.0009	-.0001	.0019
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0002**	F **-.0009**
Stddev	.0010	.0003
%RSD	661.2	37.76
#1	.0006	-.0011
#2	-.0009	-.0006
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73895.**	**27469.**	**1120.1**	**3785.5**
Stddev	84.	2.	.4	4.3
%RSD	.11392	.00570	.03497	.11372
#1	73954.	27468.	1119.8	3782.4
#2	73835.	27470.	1120.4	3788.5

Zoom In Zoom Out

Sample Name: cria Acquired: 7/14/2015 21:44:46 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0001**	**-.0001**	**.0003**	**-.0006**	**.0001**	**-.0013**	**-.0005**
Stddev	.0000	.000	.0001	.0003	.0000	.0005	.0000	.0001	.0000
%RSD	21.30	238.5	69.32	218.0	14.04	74.19	61.05	6.728	3.803
#1	.0001	.0000	-.0001	-.0003	.0002	-.0010	.0001	-.0013	-.0005
#2	.0002	-.0001	-.0002	.0001	.0003	-.0003	.0000	-.0012	-.0005
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**.0205**	**.0003**	**.0194**	**.0217**	**.0223**	**.4891**	**2.007**
Stddev	.0004	.0004	.0007	.0006	.0002	.0010	.0002	.0029	.003
%RSD	92.29	536.3	3.378	214.2	1.053	4.586	.9442	.5995	.1343
#1	.0008	.0003	.0200	.0007	.0195	.0210	.0221	.4871	2.005
#2	.0002	-.0002	.0210	-.0001	.0192	.0224	.0224	.4912	2.009
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5013**	**1.923**	**-.0093**	**.0131**	**-.0013**	**-.0002**	**-.0002**	**-.0010**	**.0002**
Stddev	.0032	.012	.0118	.0018	.0008	.0002	.0003	.0001	.0007
%RSD	.6395	.6064	127.9	13.43	61.62	105.1	195.2	14.62	333.0
#1	.5036	1.931	-.0009	.0143	-.0019	-.0001	.0001	-.0009	.0007
#2	.4991	1.914	-.0176	.0118	-.0007	-.0003	-.0004	-.0011	-.0003
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 7/14/2015 21:44:46 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0002**	**-.0001**	**-.0001**	**-.0025**	**-.0001**	**-.0006**
Stddev	.000	.0002	.0003	.0000	.0001	.0006	.0008
%RSD	132.1	71.16	274.3	31.00	4.409	632.0	132.2
#1	-.0001	-.0001	.0001	-.0001	-.0026	-.0005	.0000
#2	.0000	-.0003	-.0003	-.0001	-.0025	.0003	-.0011
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74066.**	**27236.**	**1124.1**	**3794.0**
Stddev	109.	12.	1.6	3.4
%RSD	.14664	.04330	.14462	.08866
#1	74143.	27227.	1125.3	3796.4
#2	73989.	27244.	1123.0	3791.6

Zoom In Zoom Out

Sample Name: crid Acquired: 7/14/2015 21:50:51 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0009**	**.0010**	**.0027**	**.0021**	W **.0016**	**.0033**	W **.0032**
Stddev	.0000	.0001	.0002	.0001	.0004	.0001	.0000	.0004
%RSD	1.014	7.277	15.79	2.888	17.36	7.524	.9980	12.74
#1	.0039	.0010	.0011	.0026	.0024	.0016	.0033	.0035
#2	.0040	.0009	.0009	.0028	.0019	.0015	.0033	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
Value						.0020		.0040
Range						-20.00%		-20.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0012**	**.0022**	**.0114**	**.0027**	**.0020**	**.0022**	**.0046**	**.0033**
Stddev	.0003	.0000	.0001	.0000	.0018	.0006	.0000	.0018
%RSD	22.80	1.097	.7872	1.420	87.18	28.13	.0714	55.38
#1	.0014	.0023	.0113	.0027	.0008	.0026	.0046	.0020
#2	.0010	.0022	.0114	.0027	.0032	.0017	.0046	.0045
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0020							
Range	-30.00%							

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0988**	**.9595**	**-.0012**	**.1023**	**1.722**	**.9208**	W **.0079**	**.0000**
Stddev	.0031	.0021	.0006	.0112	.022	.0174	.0008	.0000
%RSD	3.114	.2158	49.08	10.97	1.257	1.888	10.26	308.6
#1	.1009	.9580	-.0008	.1103	1.737	.9331	.0074	.0000
#2	.0966	.9609	-.0016	.0944	1.707	.9085	.0085	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None
Value							.0100	
Range							-20.00%	

Zoom In Zoom Out

Sample Name: crid Acquired: 7/14/2015 21:50:51 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0037**	**.0000**	**-.0001**	F **.0002**	F **.0000**	F **.0001**
Stddev	.0004	.0003	.0012	.000	.0004	.0014	.000	.0021
%RSD	128.7	223.1	31.38	23.02	482.6	612.7	191.2	1495.
#1	.0000	.0003	.0029	.0000	.0002	.0013	.0000	-.0014
#2	.0007	-.0001	.0045	.0000	-.0003	-.0008	.0000	.0017
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0009**	F **-.0006**
Stddev	.0002	.0004
%RSD	21.99	63.01
#1	-.0007	-.0003
#2	-.0010	-.0009
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73963.**	**27365.**	**1129.9**	**3804.0**
Stddev	2.	179.	.2	.4
%RSD	.00261	.65312	.02080	.01106
#1	73964.	27239.	1130.1	3804.3
#2	73962.	27492.	1129.8	3803.7

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/14/2015 21:56:55 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0000**	**.0000**	**-.0005**	**.0009**	**.0025**	**.0009**	**.0009**	**.0030**
Stddev	.0001	.0000	.0004	.0007	.0001	.0001	.0005	.0004	.0009
%RSD	24.30	5.332	4667.	128.4	15.72	2.218	51.62	47.46	31.43
#1	.0006	.0000	-.0003	.0000	.0009	.0024	.0012	.0012	.0037
#2	.0004	.0000	.0003	-.0010	.0008	.0025	.0006	.0006	.0023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0104**	**-.0002**	**.0008**	**.0019**	**-.0013**	**-.0057**	**.0005**	**541.5**	**412.5**
Stddev	.0001	.0004	.0016	.0022	.0033	.0042	.0047	3.8	3.4
%RSD	1.353	236.5	196.2	114.5	261.2	73.48	880.0	.6990	.8294
#1	.0103	.0001	.0019	.0035	-.0036	-.0087	.0039	538.8	410.1
#2	.0105	-.0005	-.0003	.0004	.0011	-.0027	-.0028	544.2	414.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**199.1**	**574.0**	**-.1028**	**.0168**	**-.0041**	**-.0088**	**.0046**	**-.0509**	**-.0054**
Stddev	2.3	.8	.0048	.0002	.0008	.0002	.0003	.0028	.0015
%RSD	1.153	.1417	4.682	1.140	19.11	2.752	7.139	5.432	28.14
#1	200.7	573.4	-.0994	.0167	-.0046	-.0086	.0049	-.0489	-.0065
#2	197.5	574.5	-.1062	.0169	-.0035	-.0090	.0044	-.0528	-.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/14/2015 21:56:55 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092**	**-.0006**	**-.0022**	**-.0068**	**-.1108**	**-.0005**	**.0126**
Stddev	.0001	.0002	.0022	.0000	.0019	.0005	.0001
%RSD	1.136	25.24	103.1	.4605	1.715	87.11	1.075
#1	.0093	-.0007	-.0037	-.0069	-.1094	-.0002	.0125
#2	.0092	-.0005	-.0006	-.0068	-.1121	-.0009	.0127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**66081.**	**24528.**	**1002.9**	**3087.4**
Stddev	76.	16.	1.5	3.8
%RSD	.11519	.06449	.14891	.12219
#1	66027.	24539.	1004.0	3084.7
#2	66135.	24517.	1001.9	3090.0

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/14/2015 22:03:11 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5522**	**.5397**	**1.065**	**.5174**	**.5014**	**.5283**	**.5078**	**1.031**	**1.129**
Stddev	.0000	.0002	.001	.0003	.0006	.0018	.0015	.000	.002
%RSD	.0045	.0297	.1181	.0536	.1132	.3462	.2942	.0143	.1767
#1	.5522	.5396	1.066	.5172	.5018	.5296	.5088	1.032	1.130
#2	.5522	.5398	1.064	.5176	.5010	.5270	.5067	1.031	1.128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5111**	**.9965**	**1.013**	**.9240**	**.9978**	**1.027**	**1.070**	**531.3**	**415.4**
Stddev	.0004	.0001	.006	.0066	.0011	.001	.001	4.0	1.9
%RSD	.0837	.0119	.6003	.7141	.1071	.0688	.0596	.7466	.4479
#1	.5108	.9966	1.017	.9194	.9970	1.027	1.070	534.1	416.7
#2	.5114	.9965	1.008	.9287	.9985	1.028	1.071	528.5	414.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**209.5**	**570.9**	**-.1200**	**.0245**	**-.0051**	**.4775**	**.5610**	**-.0600**	**-.0060**
Stddev	1.8	.7	.0199	.0039	.0007	.0003	.0015	.0001	.0006
%RSD	.8424	.1143	16.62	15.75	12.90	.0657	.2688	.1622	10.13
#1	210.8	571.4	-.1341	.0218	-.0047	.4773	.5621	-.0600	-.0064
#2	208.3	570.5	-.1059	.0273	-.0056	.4777	.5599	-.0599	-.0056
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/14/2015 22:03:11 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0096**	**-.0009**	**.5131**	**.4644**	**.4540**	**.5123**	**.5445**
Stddev	.0001	.0003	.0016	.0035	.0042	.0014	.0019
%RSD	1.132	31.98	.3169	.7521	.9287	.2636	.3480
#1	.0095	-.0007	.5120	.4619	.4510	.5113	.5459
#2	.0096	-.0011	.5143	.4669	.4569	.5132	.5432
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**65248.**	**24223.**	**1000.4**	**3082.5**
Stddev	100.	52.	2.8	4.5
%RSD	.15339	.21447	.27593	.14591
#1	65177.	24186.	998.44	3079.3
#2	65319.	24260.	1002.3	3085.7

Zoom In Zoom Out

Sample Name: mnconf Acquired: 7/14/2015 22:09:19 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0002**	**.0004**	**.0000**	**-.0008**	**.0030**	**9.901**	**.0015**	**-.0001**
Stddev	.0002	.0000	.0000	.000	.0003	.0003	.054	.0000	.0000
%RSD	85.69	22.55	13.82	135.9	40.71	10.96	.5462	1.313	29.17
#1	.0001	.0001	.0003	-.0001	-.0010	.0028	9.863	.0015	-.0001
#2	.0003	.0002	.0004	.0000	-.0005	.0032	9.939	.0016	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0004**	**.0006**	**.0006**	**.0013**	**-.0008**	**-.0018**	**.0017**	**.0279**	**.0303**
Stddev	.0001	.0004	.0006	.0010	.0007	.0025	.0010	.0055	.0024
%RSD	14.63	60.34	98.34	77.03	81.09	141.6	55.55	19.80	7.815
#1	-.0004	.0003	.0002	.0006	-.0004	.0000	.0024	.0240	.0320
#2	-.0004	.0009	.0010	.0019	-.0013	-.0036	.0011	.0318	.0287

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0224**	**.0365**	**-.0405**	**.0095**	**-.0023**	**-.0004**	**.0008**	**.0029**	**-.0006**
Stddev	.0028	.0052	.0061	.0079	.0003	.0001	.0002	.0002	.0016
%RSD	12.46	14.19	15.08	83.53	11.48	18.20	24.33	5.254	274.0
#1	.0244	.0401	-.0361	.0039	-.0025	-.0004	.0010	.0030	-.0018
#2	.0204	.0328	-.0448	.0151	-.0021	-.0003	.0007	.0028	.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**.0005**	**.0069**	**.0045**	**.0004**	**-.0003**
Stddev	.0000	.0001	.0001	.0004	.0029	.0002	.0001
%RSD	26.01	47.15	20.01	5.848	65.21	52.11	21.84
#1	.0000	.0004	.0005	.0071	.0024	.0002	-.0003
#2	.0001	.0002	.0004	.0066	.0065	.0005	-.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75148.**	**27089.**	**1134.8**	**3828.1**
Stddev	70.	328.	2.4	4.9
%RSD	.09277	1.2102	.21571	.12682
#1	75099.	27321.	1136.5	3831.5
#2	75197.	26858.	1133.0	3824.7

Zoom In Zoom Out

Sample Name: v-conf Acquired: 7/14/2015 22:15:31 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0001**	**.0000**	**.0002**	**.0018**	**.0004**	**.0009**	**.0004**	**.0069**
Stddev	.0001	.0002	.0002	.0001	.0000	.0004	.0000	.0000	.0001
%RSD	30.55	191.3	837.2	87.79	.0695	87.31	4.204	6.850	.7552
#1	.0001	.0000	-.0001	.0003	.0018	.0007	.0009	.0005	.0070
#2	.0002	.0003	.0002	.0001	.0018	.0002	.0009	.0004	.0069

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**10.27**	**.0076**	**-.0004**	**-.0014**	**.0016**	**.0037**	**-.0015**	**.0145**	**.0777**
Stddev	.01	.0000	.0000	.0008	.0004	.0020	.0002	.0001	.0023
%RSD	.1148	.1031	12.01	56.24	27.38	54.60	15.97	.5862	2.975
#1	10.27	.0077	-.0005	-.0008	.0019	.0023	-.0014	.0146	.0760
#2	10.26	.0076	-.0004	-.0019	.0013	.0052	-.0017	.0144	.0793

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0197**	**.0369**	**.0033**	**.0093**	**-.0022**	**-.0015**	**.0031**	**.0106**	**-.0005**
Stddev	.0016	.0135	.0441	.0050	.0009	.0004	.0004	.0005	.0004
%RSD	8.006	36.54	1348.	53.65	38.71	25.19	13.61	4.834	75.86
#1	.0186	.0273	.0345	.0058	-.0029	-.0013	.0034	.0102	-.0002
#2	.0208	.0464	-.0279	.0129	-.0016	-.0018	.0028	.0110	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**-.0097**	**.0024**	**.0111**	**.0018**	**-.0006**
Stddev	.0001	.000	.0003	.0001	.0006	.0009	.0009
%RSD	118.7	366.1	2.954	3.573	5.662	53.57	154.9
#1	.0000	.0001	-.0095	.0025	.0106	.0024	.0001
#2	.0001	-.0002	-.0099	.0024	.0115	.0011	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74994.**	**27527.**	**1130.0**	**3813.7**
Stddev	93.	49.	1.6	4.9
%RSD	.12373	.17891	.14432	.12871
#1	74929.	27492.	1131.1	3817.2
#2	75060.	27562.	1128.8	3810.3

Zoom In Zoom Out

Sample Name: s-conf Acquired: 7/14/2015 22:21:36 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0001**	**.0000**	**-.0001**	**-.0001**	**.0001**	**-.0007**	**.0002**	**.0034**	**-.0008**
Stddev	.0001	.000	.0002	.0003	.0002	.0001	.0000	.0004	.0002
%RSD	56.40	122.4	275.3	401.4	271.0	9.107	1.820	10.94	24.12
#1	.0001	.0000	.0001	-.0003	-.0001	-.0007	.0002	.0032	-.0010
#2	.0002	.0000	-.0002	.0001	.0003	-.0006	.0002	.0037	-.0007

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0038**	**.0013**	**.0018**	**-.0014**	**.0001**	**.0026**	**.0100**	**.0209**
Stddev	.0001	.0004	.0005	.0032	.0002	.0016	.0002	.0035	.0004
%RSD	22.83	10.49	41.02	178.4	11.70	2481.	8.641	35.35	2.068
#1	.0006	.0035	.0009	.0041	-.0013	.0012	.0024	.0125	.0212
#2	.0004	.0041	.0017	-.0005	-.0015	-.0011	.0028	.0075	.0206

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0049**	**.0441**	**-.0169**	**.0021**	**-.0025**	**-.0003**	**.0035**	**.0046**	**.0005**
Stddev	.0007	.0066	.0503	.0067	.0003	.0001	.0013	.0003	.0008
%RSD	13.67	14.94	297.9	323.5	13.94	25.43	37.14	7.052	161.4
#1	.0044	.0488	-.0524	-.0027	-.0027	-.0002	.0044	.0044	-.0001
#2	.0054	.0395	.0187	.0068	-.0022	-.0003	.0026	.0048	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0000**	**.0011**	**-.0018**	F **100.1**	**-.0012**	**-.0005**
Stddev	.000	.0002	.0006	.0003	1.8	.0002	.0005
%RSD	71.64	3513.	60.79	16.21	1.747	17.03	87.70
#1	.0000	-.0001	.0006	-.0016	98.91	-.0010	-.0008
#2	-.0001	.0001	.0015	-.0021	101.4	-.0013	-.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74472.**	**27570.**	**1115.8**	**3768.2**
Stddev	83.	4.	10.3	39.0
%RSD	.11136	.01503	.92125	1.0339
#1	74413.	27567.	1123.1	3795.7
#2	74531.	27573.	1108.6	3740.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 22:27:41 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.111**	**2.108**	**2.011**	**2.036**	**2.029**	**1.950**	**2.032**	**2.070**	**.2490**
Stddev	.118	.123	.004	.008	.011	.019	.011	.003	.0037
%RSD	5.607	5.810	.2132	.3957	.5433	.9894	.5522	.1444	1.487
#1	2.027	2.021	2.008	2.031	2.021	1.937	2.024	2.067	.2464
#2	2.194	2.194	2.014	2.042	2.037	1.964	2.040	2.072	.2516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**2.075**	**1.962**	**2.044**	**2.066**	**1.970**	**1.982**	**40.82**	**41.25**
Stddev	.012	.011	.005	.010	.004	.005	.006	2.24	2.48
%RSD	.6133	.5164	.2606	.4708	.2188	.2484	.3004	5.484	6.003
#1	1.987	2.067	1.959	2.037	2.063	1.974	1.978	39.23	39.50
#2	2.005	2.082	1.966	2.051	2.069	1.967	1.987	42.40	43.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.38**	**41.11**	**39.51**	**40.23**	**2.024**	**2.036**	**1.952**	**4.894**	**2.050**
Stddev	2.45	2.31	2.26	2.25	.007	.001	.009	.016	.009
%RSD	5.772	5.626	5.717	5.599	.3697	.0696	.4728	.3180	.4604
#1	40.65	39.48	37.91	38.64	2.018	2.035	1.946	4.883	2.043
#2	44.11	42.75	41.10	41.83	2.029	2.037	1.959	4.905	2.057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/14/2015 22:27:41 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.081**	**2.034**	**2.013**	**1.998**	**2.010**	**1.996**	**2.020**
Stddev	.102	.012	.002	.014	.005	.002	.108
%RSD	4.917	.5950	.1070	.6782	.2436	.1055	5.334
#1	2.009	2.026	2.014	1.988	2.006	1.994	1.944
#2	2.154	2.043	2.011	2.007	2.013	1.997	2.096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72501.**	**26209.**	**1096.5**	**3538.1**
Stddev	237.	1253.	.1	1.0
%RSD	.32750	4.7817	.01252	.02829
#1	72669.	27095.	1096.6	3537.4
#2	72333.	25323.	1096.4	3538.8

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 22:33:38 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0001**	**-.0004**	**.0001**	**-.0007**	**.0002**	**.0019**	**-.0006**
Stddev	.0003	.0000	.0001	.0000	.0007	.0003	.0000	.0002	.0001
%RSD	363.4	53.88	199.1	4.604	805.3	47.15	24.18	8.556	14.35
#1	-.0001	.0001	.0002	-.0003	.0006	-.0005	.0001	.0020	-.0006
#2	.0003	.0000	.0000	-.0004	-.0004	-.0010	.0002	.0018	-.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0003**	**-.0002**	**.0007**	**-.0005**	**.0004**	**.0005**	**-.0017**	**-.0012**
Stddev	.0002	.0000	.0006	.0003	.0007	.0018	.0001	.0079	.0016
%RSD	28.27	7.402	320.4	38.81	129.5	453.7	13.02	477.8	130.1
#1	.0004	-.0003	.0002	.0005	.0000	-.0009	.0005	-.0072	-.0024
#2	.0007	-.0003	-.0006	.0009	-.0010	.0017	.0004	.0039	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0290**	**.0123**	**.0032**	**-.0007**	**.0003**	**.0004**	**-.0006**	**.0006**
Stddev	.0009	.0002	.0121	.0020	.0009	.0001	.0005	.0003	.0003
%RSD	113.7	.7103	98.32	62.89	122.8	19.84	139.5	51.58	57.28
#1	-.0001	.0289	.0208	.0046	-.0001	.0004	.0008	-.0004	.0008
#2	-.0014	.0291	.0037	.0018	-.0014	.0003	.0000	-.0008	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/14/2015 22:33:38 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0007**	**.0001**	**.0041**	**-.0004**	**.0001**
Stddev	.0000	.000	.0010	.0001	.0016	.0006	.0006
%RSD	19.60	3427.	137.9	90.42	38.18	146.3	586.9
#1	.0000	-.0003	.0014	.0000	.0030	.0000	-.0003
#2	.0000	.0003	.0000	.0001	.0052	-.0009	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74738.**	**27930.**	**1125.9**	**3810.9**
Stddev	259.	4.	3.3	12.0
%RSD	.34593	.01263	.29555	.31367
#1	74555.	27933.	1128.3	3819.4
#2	74921.	27928.	1123.6	3802.5

Zoom In Zoom Out

Sample Name: mp87527-mb1 3 Acquired: 7/14/2015 23:29:35 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0017**	**.0000**	**.0000**	**-.0002**	**-.0001**	**.0011**	**.0028**	**.0033**	**-.0005**
Stddev	.0000	.0000	.000	.0002	.0001	.0002	.0002	.0002	.0000
%RSD	.6227	35.95	272.9	63.74	182.2	21.15	8.306	6.225	1.597
#1	.0017	.0000	.0000	-.0003	.0000	.0012	.0029	.0035	-.0005
#2	.0017	.0000	-.0001	-.0001	-.0001	.0009	.0026	.0032	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0041**	**.0004**	**.0003**	**-.0001**	**.0019**	**.0003**	**.0084**	**.1524**
Stddev	.0003	.0002	.0005	.0015	.0001	.0014	.0011	.0016	.0001
%RSD	297.2	3.816	119.3	608.3	118.4	76.03	315.2	19.54	.0636
#1	.0003	.0040	.0008	-.0008	.0000	.0009	-.0004	.0095	.1523
#2	-.0001	.0043	.0001	.0013	-.0001	.0029	.0011	.0072	.1525

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0193**	**.0430**	**.0097**	**.1039**	**.0001**	**-.0003**	**.0006**	**.2642**	**.0017**
Stddev	.0003	.0102	.0204	.0012	.0000	.0002	.0002	.0013	.0004
%RSD	1.522	23.63	209.3	1.122	72.88	91.02	43.11	.4949	23.85
#1	.0191	.0502	-.0047	.1047	.0001	-.0001	.0007	.2651	.0014
#2	.0195	.0358	.0241	.1031	.0000	-.0004	.0004	.2633	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0025**	**.0000**	**.0006**	**.0002**	**.3921**	**-.0007**	**-.0003**
Stddev	.0000	.000	.0004	.0001	.0016	.0003	.0010
%RSD	1.830	291.0	68.03	56.17	.4206	44.93	306.3
#1	.0025	.0000	.0003	.0003	.3909	-.0010	-.0010
#2	.0026	-.0001	.0008	.0001	.3933	-.0005	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73713.**	**27704.**	**1122.2**	**3808.5**
Stddev	5853.	2.	2.5	2.2
%RSD	7.9399	.00667	.22195	.05736
#1	69574.	27703.	1120.4	3806.9
#2	77851.	27706.	1123.9	3810.0

Zoom In Zoom Out

Sample Name: mp87527-s1 Acquired: 7/14/2015 23:35:37 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.220**	**1.951**	**2.154**	**2.018**	**2.000**	**2.064**	**2.006**	**2.054**	**.2572**
Stddev	.005	.002	.000	.001	.005	.001	.001	.001	.0000
%RSD	.2052	.1000	.0083	.0621	.2580	.0241	.0618	.0477	.0088
#1	2.223	1.950	2.154	2.017	2.004	2.063	2.007	2.054	.2571
#2	2.217	1.953	2.154	2.019	1.997	2.064	2.005	2.055	.2572

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.000**	**2.006**	**2.128**	**1.894**	**2.049**	**2.263**	**2.099**	**25.07**	F **1366.**
Stddev	.000	.010	.001	.007	.001	.001	.009	.05	13.
%RSD	.0036	.5043	.0550	.3718	.0604	.0613	.4507	.1844	.9168
#1	2.000	1.999	2.127	1.899	2.050	2.264	2.106	25.10	1357.
#2	2.000	2.014	2.129	1.889	2.048	2.262	2.092	25.03	1375.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.70**	**24.65**	**26.03**	**28.40**	**2.233**	**2.124**	**1.845**	**.5255**	**1.971**
Stddev	.01	.06	.04	.09	.009	.002	.002	.0006	.003
%RSD	.0394	.2454	.1680	.3060	.3877	.1001	.1108	.1068	.1397
#1	23.70	24.60	26.06	28.47	2.239	2.123	1.847	.5259	1.973
#2	23.71	24.69	26.00	28.34	2.227	2.126	1.844	.5251	1.969

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.273**	**2.006**	**2.021**	**1.935**	F **557.3**	**.0160**	**.0927**
Stddev	.038	.000	.006	.002	1.2	.0011	.0009
%RSD	.8893	.0151	.2903	.1050	.2174	6.870	.9587
#1	4.246	2.006	2.016	1.934	556.4	.0167	.0921
#2	4.300	2.007	2.025	1.937	558.1	.0152	.0933

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63717.**	**25829.**	**964.38**	**2996.9**
Stddev	140.	87.	3.61	11.6
%RSD	.22045	.33776	.37466	.38752
#1	63816.	25891.	961.82	2988.7
#2	63617.	25768.	966.93	3005.1

Zoom In Zoom Out

Sample Name: mp87527-s2 Acquired: 7/14/2015 23:41:35 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.250**	**1.978**	**2.168**	**2.065**	**2.041**	**2.071**	**2.020**	**2.106**	**.2604**
Stddev	.001	.006	.002	.004	.006	.007	.004	.000	.0003
%RSD	.0581	.2915	.0872	.1871	.2984	.3420	.2082	.0055	.1152
#1	2.251	1.974	2.167	2.062	2.037	2.076	2.017	2.106	.2602
#2	2.249	1.982	2.170	2.068	2.046	2.066	2.023	2.106	.2606

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.010**	**2.059**	**2.137**	**1.911**	**2.089**	**2.258**	**2.095**	**25.31**	F **1395.**
Stddev	.000	.004	.003	.015	.001	.005	.007	.00	8.
%RSD	.0134	.1978	.1321	.7587	.0457	.2085	.3437	.0119	.5805
#1	2.010	2.057	2.135	1.901	2.090	2.261	2.089	25.31	1401.
#2	2.010	2.062	2.139	1.922	2.089	2.254	2.100	25.31	1389.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.55**	**25.43**	**25.81**	**28.11**	**2.231**	**2.146**	**1.878**	**.3423**	**2.000**
Stddev	.04	.05	.11	.01	.007	.001	.009	.0018	.004
%RSD	.1604	.2118	.4223	.0407	.2950	.0346	.4901	.5119	.1809
#1	24.53	25.46	25.73	28.10	2.227	2.147	1.885	.3411	1.998
#2	24.58	25.39	25.89	28.11	2.236	2.146	1.872	.3435	2.003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.324**	**2.035**	**2.046**	**1.957**	F **557.8**	**.0154**	**.0902**
Stddev	.031	.000	.005	.002	1.3	.0006	.0018
%RSD	.7092	.0208	.2515	.0774	.2300	3.590	1.971
#1	4.345	2.035	2.043	1.958	556.9	.0150	.0915
#2	4.302	2.036	2.050	1.956	558.7	.0158	.0890

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**64313.**	**25502.**	**982.65**	**3014.0**
Stddev	133.	158.	1.40	1.5
%RSD	.20727	.61933	.14210	.04915
#1	64218.	25390.	983.64	3015.1
#2	64407.	25614.	981.66	3013.0

Zoom In Zoom Out

Sample Name: jb98455-1 Acquired: 7/14/2015 23:47:33 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.2074**	**.0000**	**-.0001**	**-.0018**	**.0086**	**.0017**	**.0018**	**.0055**
Stddev	.0002	.000	.0005	.0002	.0004	.0001	.0000	.0005
%RSD	.0744	64.63	428.5	13.57	5.127	4.996	2.344	8.626
#1	.2076	.0000	.0002	-.0016	.0083	.0017	.0018	.0058
#2	.2073	.0000	-.0004	-.0019	.0089	.0016	.0019	.0052

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0005**	**.0006**	**.0017**	**.0041**	**.0125**	**-.0023**	**.0027**	**.0157**
Stddev	.0002	.0002	.0004	.0012	.0021	.0018	.0006	.0022
%RSD	36.66	37.53	21.96	29.09	16.43	79.09	20.79	13.98
#1	-.0007	.0008	.0020	.0032	.0111	-.0036	.0023	.0173
#2	-.0004	.0005	.0015	.0049	.0140	-.0010	.0032	.0142

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	F **-.3191**	F **1394.**	W **-.0270**	**.0360**	**.8792**	**3.145**	**.1899**	**.1293**
Stddev	.0002	18.	.0006	.0270	.0266	.008	.0006	.0010
%RSD	.0764	1.323	2.206	75.09	3.028	.2579	.3148	.7932
#1	-.3190	1407.	-.0274	.0551	.8981	3.150	.1895	.1286
#2	-.3193	1381.	-.0266	.0169	.8604	3.139	.1903	.1300

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0364**	**.0377**	**-.0079**	**2.384**	**-.0023**	**.0064**	F **-.0209**	F **568.6**
Stddev	.0004	.0026	.0013	.005	.0001	.0004	.0003	2.1
%RSD	1.016	6.999	15.88	.2100	3.437	6.441	1.587	.3672
#1	.0366	.0358	-.0088	2.380	-.0024	.0061	-.0207	567.1
#2	.0361	.0395	-.0070	2.387	-.0023	.0067	-.0211	570.1

Elem	Bi2230	Li6707
Avg	**.0011**	**.0910**
Stddev	.0004	.0013
%RSD	33.11	1.418
#1	.0014	.0919
#2	.0009	.0901

Zoom In Zoom Out

Sample Name: jb98455-1 Acquired: 7/14/2015 23:47:33 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**64498.**	**25769.**	**985.73**	**3018.2**
Stddev	85.	88.	.30	4.2
%RSD	.13155	.34315	.03073	.14015
#1	64438.	25706.	985.51	3015.2
#2	64558.	25831.	985.94	3021.2

Zoom In Zoom Out

Sample Name: mp87527-sd1 Acquired: 7/14/2015 23:53:46 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2074**	**-.0002**	**-.0006**	**-.0034**	**.0063**	**-.0015**	**.0020**	**.0105**	**-.0047**
Stddev	.0007	.0002	.0000	.0002	.0003	.0002	.0006	.0008	.0009
%RSD	.3284	103.8	6.124	6.954	4.424	10.58	28.97	7.893	18.65
#1	.2069	.0000	-.0006	-.0032	.0061	-.0016	.0024	.0111	-.0040
#2	.2079	-.0003	-.0005	-.0035	.0065	-.0014	.0016	.0099	-.0053

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0020**	**.0057**	**.0062**	**.0171**	**.0018**	**.0052**	**.0158**	**.2474**	**1449.**
Stddev	.0014	.0005	.0075	.0038	.0079	.0029	.0087	.0583	10.
%RSD	67.89	8.302	122.6	22.28	443.6	56.50	55.09	23.55	.6680
#1	.0011	.0053	.0008	.0198	.0074	.0031	.0220	.2886	1456.
#2	.0030	.0060	.0115	.0144	-.0038	.0073	.0097	.2062	1442.

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0241**	**.1468**	**.7515**	**3.023**	**.1880**	**.1258**	**.0385**	**.0695**	**-.0139**
Stddev	.0123	.0698	.0780	.000	.0039	.0003	.0028	.0040	.0014
%RSD	50.96	47.53	10.37	.0046	2.063	.2740	7.336	5.811	9.986
#1	-.0328	.1961	.8066	3.023	.1908	.1255	.0365	.0724	-.0149
#2	-.0154	.0975	.6964	3.023	.1853	.1260	.0405	.0666	-.0130

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.365**	**-.0024**	**.0052**	**-.0223**	F **575.4**	**.0034**	**.0516**
Stddev	.002	.0013	.0035	.0002	.1	.0038	.0027
%RSD	.1012	53.28	67.41	.7664	.0229	112.4	5.259
#1	2.364	-.0033	.0076	-.0222	575.5	.0007	.0535
#2	2.367	-.0015	.0027	-.0225	575.4	.0061	.0496

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69937.**	**26516.**	**1058.0**	**3411.0**
Stddev	83.	56.	2.0	3.3
%RSD	.11900	.21008	.19225	.09697
#1	69878.	26476.	1056.5	3408.7
#2	69996.	26555.	1059.4	3413.4

Zoom In Zoom Out

Sample Name: jb98455-2 Acquired: 7/14/2015 23:59:53 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.9193**	**-.0001**	**-.0004**	**-.0006**	**.0469**	**.0027**	**-.0006**	**.0044**
Stddev	.0013	.0000	.0001	.0003	.0003	.0001	.0000	.0004
%RSD	.1447	23.70	29.09	53.11	.5507	3.043	6.262	8.924
#1	.9203	-.0001	-.0005	-.0004	.0471	.0028	-.0006	.0042
#2	.9184	.0000	-.0004	-.0009	.0467	.0026	-.0006	.0047

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0005**	**.0025**	**.0020**	**.0041**	**.0167**	**.0019**	**.0656**	**.0172**
Stddev	.0003	.0001	.0000	.0004	.0021	.0007	.0005	.0003
%RSD	60.94	4.487	.8160	9.708	12.39	35.17	.7671	2.002
#1	-.0007	.0024	.0020	.0038	.0182	.0023	.0660	.0175
#2	-.0003	.0026	.0020	.0044	.0153	.0014	.0653	.0170

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	F **-.3797**	F **1529.**	W **-.0274**	**.0456**	**7.713**	**56.74**	**.0934**	**.2557**
Stddev	.0030	.	.0021	.0020	.024	.19	.0017	.0006
%RSD	.8023	.0277	7.696	4.291	.3149	.3382	1.797	.2415
#1	-.3819	1528.	-.0289	.0470	7.730	56.88	.0946	.2561
#2	-.3776	1529.	-.0259	.0442	7.695	56.61	.0922	.2553

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0384**	**.2021**	**-.0074**	**3.576**	**-.0022**	**.0045**	F **-.0127**	F **587.4**
Stddev	.0003	.0021	.0001	.007	.0002	.0020	.0001	.0
%RSD	.7120	1.015	1.459	.1955	10.67	44.31	.4304	.0018
#1	.0386	.2036	-.0074	3.581	-.0020	.0031	-.0127	587.4
#2	.0382	.2007	-.0075	3.571	-.0023	.0059	-.0126	587.3

Elem	Bi2230	Li6707
Avg	**.0022**	**.1198**
Stddev	.0004	.0001
%RSD	17.08	.0990
#1	.0025	.1197
#2	.0019	.1199

Zoom In Zoom Out

Sample Name: jb98455-2 Acquired: 7/14/2015 23:59:53 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63669.**	**25811.**	**1006.0**	**3029.5**
Stddev	23.	82.	8.6	17.8
%RSD	.03536	.31585	.85877	.58722
#1	63684.	25869.	999.89	3016.9
#2	63653.	25753.	1012.1	3042.0

Zoom In Zoom Out

Sample Name: jb98455-3 Acquired: 7/15/2015 0:06:06 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0994**	**-.0001**	**.0002**	**-.0002**	**.0467**	**.0014**	**-.0004**	**.0032**
Stddev	.0004	.0000	.0000	.0002	.0034	.0002	.0000	.0001
%RSD	.3526	55.10	24.34	132.9	7.223	13.20	1.095	3.714
#1	.0997	-.0001	.0002	-.0003	.0443	.0012	-.0004	.0031
#2	.0992	-.0001	.0002	.0000	.0491	.0015	-.0004	.0032

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0004**	**.0592**	**-.0007**	**.0057**	F **-.0025**	F **-.0059**	**.1222**	**.0087**
Stddev	.0002	.0036	.0003	.0018	.0002	.0004	.0014	.0001
%RSD	51.68	6.137	45.00	30.92	8.785	6.327	1.166	1.675
#1	.0006	.0567	-.0010	.0070	-.0027	-.0062	.1212	.0086
#2	.0003	.0618	-.0005	.0045	-.0024	-.0057	.1232	.0088

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.5912**	**373.2**	**.0396**	**.0901**	**165.0**	F **609.5**	**.3137**	**.3316**
Stddev	.0005	2.6	.0028	.0093	.6	7.6	.0005	.0019
%RSD	.0783	.6862	7.061	10.37	.3621	1.245	.1622	.5685
#1	.5915	371.4	.0377	.0835	165.4	604.1	.3133	.3303
#2	.5908	375.0	.0416	.0967	164.6	614.8	.3140	.3330

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0153**	**9.244**	**-.0049**	**1.193**	**-.0007**	**.0024**	F **-.0219**	F **543.2**
Stddev	.0007	.021	.0003	.001	.0001	.0003	.0002	.6
%RSD	4.563	.2245	5.644	.0806	10.63	11.78	.9965	.1098
#1	.0148	9.230	-.0051	1.193	-.0008	.0022	-.0217	542.7
#2	.0158	9.259	-.0047	1.194	-.0007	.0026	-.0220	543.6

Elem	Bi2230	Li6707
Avg	**-.0001**	**.2204**
Stddev	.0012	.0015
%RSD	1317.	.6901
#1	-.0009	.2214
#2	.0007	.2193

Zoom In Zoom Out

Sample Name: jb98455-3 Acquired: 7/15/2015 0:06:06 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63445.**	**26019.**	**1056.0**	**3081.3**
Stddev	3432.	74.	.7	2.5
%RSD	5.4089	.28466	.06303	.08162
#1	65872.	26071.	1056.5	3079.5
#2	61019.	25967.	1055.5	3083.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 0:12:19 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.025**	**2.041**	**1.976**	**2.020**	**2.045**	**1.943**	**2.039**	**2.079**	**.2514**
Stddev	.001	.000	.020	.019	.002	.002	.003	.022	.0011
%RSD	.0412	.0128	1.022	.9541	.0737	.0773	.1542	1.052	.4505
#1	2.026	2.041	1.961	2.007	2.046	1.944	2.041	2.063	.2522
#2	2.025	2.041	1.990	2.034	2.044	1.942	2.036	2.094	.2506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.996**	**2.059**	**1.936**	**1.997**	**2.071**	**1.945**	**1.939**	**39.14**	**40.27**
Stddev	.001	.026	.021	.021	.019	.018	.024	.03	.01
%RSD	.0290	1.265	1.099	1.067	.9030	.9382	1.236	.0688	.0193
#1	1.996	2.040	1.921	1.982	2.058	1.932	1.922	39.12	40.27
#2	1.995	2.077	1.951	2.012	2.085	1.958	1.955	39.16	40.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.92**	**40.30**	**37.28**	**37.86**	**1.985**	**2.007**	**1.950**	**4.776**	**2.032**
Stddev	.02	.03	.09	.09	.028	.022	.001	.046	.020
%RSD	.0515	.0686	.2357	.2356	1.428	1.097	.0661	.9562	.9584
#1	41.90	40.28	37.22	37.80	1.965	1.991	1.951	4.743	2.018
#2	41.93	40.32	37.34	37.92	2.005	2.022	1.949	4.808	2.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 0:12:19 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.042**	**1.993**	**1.997**	**2.061**	**1.955**	**1.897**
Stddev	.013	.003	.016	.000	.025	.016	.005
%RSD	.6293	.1302	.8149	.0069	1.204	.8145	.2655
#1	2.010	2.044	1.982	1.997	2.043	1.944	1.893
#2	2.028	2.040	2.005	1.997	2.078	1.966	1.901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72386.**	**26610.**	**1123.9**	**3570.8**
Stddev	106.	48.	9.1	24.4
%RSD	.14664	.18127	.81066	.68367
#1	72311.	26576.	1130.3	3588.1
#2	72461.	26644.	1117.4	3553.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 0:18:16 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**-.0001**	**-.0002**	**-.0003**	**-.0009**	**.0000**	**.0000**	**-.0011**
Stddev	.0001	.000	.0000	.0002	.0002	.0001	.000	.0001	.0003
%RSD	74.94	3.576	22.33	97.07	69.43	6.598	23.71	184.9	31.03
#1	.0000	-.0001	-.0001	-.0001	-.0004	-.0010	.0000	.0000	-.0009
#2	.0002	.0000	-.0001	-.0003	-.0001	-.0009	.0000	.0001	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**-.0003**	**.0003**	**-.0006**	**.0006**	**.0019**	**.0054**	**-.0030**
Stddev	.0001	.0000	.0004	.0003	.0004	.0014	.0004	.0045	.0011
%RSD	65.38	58.45	153.3	101.0	61.14	244.8	21.24	84.37	35.67
#1	.0002	.0000	-.0006	.0005	-.0003	.0015	.0022	.0022	-.0037
#2	.0001	.0001	.0000	.0001	-.0009	-.0004	.0016	.0086	-.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0019**	**.0223**	**-.0129**	**.0169**	**-.0012**	**.0005**	**.0009**	**.0006**	**.0014**
Stddev	.0016	.0099	.0111	.0001	.0010	.0001	.0003	.0025	.0016
%RSD	85.46	44.44	86.29	.5638	82.31	21.89	36.24	429.1	110.3
#1	-.0007	.0153	-.0207	.0170	-.0005	.0004	.0012	.0023	.0003
#2	-.0030	.0294	-.0050	.0169	-.0020	.0006	.0007	-.0012	.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 0:18:16 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**-.0005**	**.0001**	**.0058**	**-.0003**	**-.0003**
Stddev	.0000	.000	.0003	.0002	.0007	.0001	.0002
%RSD	299.7	441.0	70.85	151.5	12.81	17.89	69.78
#1	.0000	.0000	-.0007	.0000	.0063	-.0003	-.0004
#2	.0000	-.0001	-.0002	.0003	.0053	-.0004	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**75036.**	**27262.**	**1145.2**	**3815.9**
Stddev	135.	29.	.1	4.0
%RSD	.17939	.10662	.00595	.10500
#1	74940.	27283.	1145.2	3818.8
#2	75131.	27242.	1145.1	3813.1

Zoom In Zoom Out

Sample Name: mp87627-mb1 2 Acquired: 7/15/2015 0:24:22 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**.0001**	**-.0002**	**.0001**	**-.0008**	**.0001**	**.0000**	**-.0008**
Stddev	.0001	.0000	.0001	.0000	.0002	.0000	.0000	.0001	.0003
%RSD	537.2	15.91	175.8	6.897	144.6	4.762	4.320	354.8	36.28
#1	-.0001	-.0001	.0000	-.0002	.0000	-.0008	.0001	-.0001	-.0010
#2	.0001	-.0001	.0001	-.0002	.0002	-.0009	.0002	.0001	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0008**	**.0003**	**.0017**	**-.0012**	**.0003**	**.0015**	**.0095**	**.0176**
Stddev	.0000	.0002	.0009	.0006	.0006	.0012	.0000	.0080	.0037
%RSD	17.49	19.98	285.9	37.31	46.82	363.4	2.903	83.53	20.78
#1	.0001	.0007	-.0003	.0021	-.0016	.0012	.0015	.0152	.0202
#2	.0001	.0009	.0009	.0012	-.0008	-.0005	.0015	.0039	.0150

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0024**	**.0063**	**.0008**	**.0118**	**.0044**	**-.0001**	**-.0003**	**.0296**	**.0000**
Stddev	.0026	.0075	.0098	.0006	.0001	.0000	.0006	.0005	.001
%RSD	108.6	117.8	1169.	4.908	2.216	19.35	188.5	1.577	8039.
#1	.0042	.0116	.0078	.0122	.0044	-.0001	-.0008	.0293	.0007
#2	.0006	.0011	-.0061	.0114	.0045	.0000	.0001	.0299	-.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0000**	**.0003**	**.0003**	**.0063**	**-.0021**	**-.0006**
Stddev	.0000	.0005	.0003	.0001	.0052	.0007	.0008
%RSD	12.03	2490.	83.63	45.19	83.02	32.78	125.3
#1	.0001	-.0003	.0005	.0004	.0100	-.0026	-.0001
#2	.0001	.0004	.0001	.0002	.0026	-.0016	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74704.**	**27201.**	**1137.0**	**3805.0**
Stddev	361.	78.	3.5	5.8
%RSD	.48302	.28734	.30432	.15357
#1	74449.	27257.	1134.6	3800.9
#2	74959.	27146.	1139.4	3809.2

Zoom In Zoom Out

Sample Name: mp87627-b1 2 Acquired: 7/15/2015 0:30:26 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**1.901**	**1.904**	**1.872**	**1.902**	**1.923**	**1.824**	**1.915**	**1.964**
Stddev	.007	.001	.024	.023	.002	.003	.005	.021
%RSD	.3461	.0739	1.296	1.206	.1109	.1676	.2699	1.082
#1	1.905	1.903	1.889	1.918	1.921	1.822	1.918	1.979
#2	1.896	1.905	1.855	1.886	1.924	1.826	1.911	1.949

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.2158**	**1.871**	**1.963**	**1.815**	**1.890**	**1.952**	**1.837**	**1.836**
Stddev	.0005	.005	.027	.020	.023	.022	.018	.025
%RSD	.2097	.2804	1.354	1.075	1.219	1.109	.9525	1.382
#1	.2155	1.875	1.981	1.829	1.906	1.967	1.850	1.854
#2	.2161	1.867	1.944	1.802	1.874	1.937	1.825	1.818

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**22.99**	**23.53**	**23.49**	**23.65**	**22.24**	**22.56**	**1.893**	**1.918**
Stddev	.07	.08	.03	.00	.12	.19	.025	.026
%RSD	.2858	.3238	.1473	.0119	.5428	.8569	1.335	1.348
#1	23.04	23.48	23.46	23.65	22.33	22.69	1.911	1.936
#2	22.94	23.59	23.51	23.65	22.16	22.42	1.875	1.899

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**1.701**	**.2063**	**1.925**	**1.899**	**1.904**	**1.811**	**1.849**	F **-.0613**
Stddev	.003	.0032	.026	.007	.005	.020	.003	.0055
%RSD	.1628	1.564	1.357	.3706	.2424	1.127	.1519	8.993
#1	1.703	.2086	1.944	1.904	1.907	1.825	1.851	-.0652
#2	1.699	.2040	1.907	1.894	1.900	1.796	1.847	-.0574

Elem	Bi2230	Li6707
Avg	**.0146**	**.0003**
Stddev	.0012	.0010
%RSD	8.403	330.2
#1	.0154	.0010
#2	.0137	-.0004

Zoom In Zoom Out

Sample Name: mp87627-b1 2 Acquired: 7/15/2015 0:30:26 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72913.**	**26703.**	**1109.7**	**3601.4**
Stddev	261.	49.	10.5	33.9
%RSD	.35837	.18427	.94861	.94144
#1	72728.	26668.	1102.2	3577.5
#2	73098.	26737.	1117.1	3625.4

Zoom In Zoom Out

Sample Name: mp87627-s1 Acquired: 7/15/2015 0:36:21 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.447**	**1.508**	**1.448**	**1.224**	**1.483**	**1.447**	**2.164**	**1.244**	**.1702**
Stddev	.004	.002	.001	.001	.001	.002	.006	.001	.0014
%RSD	.3134	.1047	.0475	.0848	.0441	.1341	.2920	.0535	.7937
#1	1.450	1.509	1.448	1.223	1.482	1.446	2.168	1.244	.1711
#2	1.444	1.507	1.447	1.225	1.483	1.449	2.159	1.245	.1692

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.450**	**1.836**	**1.934**	**.8859**	**1.006**	**.2501**	**1.520**	**15.78**	**38.37**
Stddev	.002	.002	.002	.0071	.002	.0007	.001	.04	.07
%RSD	.1200	.1108	.0969	.8022	.1676	.2885	.0376	.2762	.1887
#1	1.451	1.835	1.933	.8909	1.007	.2496	1.520	15.82	38.42
#2	1.449	1.838	1.936	.8808	1.004	.2506	1.521	15.75	38.32

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.32**	**22.65**	F **672.4**	**138.9**	F **64.67**	**1.657**	**.3771**	**3.927**	**1.295**
Stddev	.05	.04	4.6	.8	.02	.002	.0003	.009	.002
%RSD	.2916	.1935	.6911	.5926	.0346	.0966	.0699	.2432	.1876
#1	18.36	22.68	669.1	138.3	64.68	1.659	.3769	3.934	1.297
#2	18.29	22.62	675.7	139.5	64.65	1.656	.3773	3.920	1.294

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.485**	**1.520**	**1.557**	**.5180**	**5.901**	**.0166**	**.0045**
Stddev	.004	.002	.001	.0013	.009	.0007	.0010
%RSD	.2367	.1316	.0928	.2458	.1534	4.039	21.44
#1	1.488	1.521	1.555	.5189	5.894	.0171	.0038
#2	1.483	1.518	1.558	.5171	5.907	.0161	.0052

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63273.**	**26325.**	**909.76**	**3380.8**
Stddev	20.	69.	.80	3.1
%RSD	.03108	.26130	.08833	.09145
#1	63260.	26277.	909.19	3378.6
#2	63287.	26374.	910.32	3383.0

Zoom In Zoom Out

Sample Name: mp87627-s2 Acquired: 7/15/2015 0:42:22 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.507**	**1.559**	**1.498**	**1.268**	**1.537**	**1.499**	**2.220**	**1.292**	**.1683**
Stddev	.003	.001	.003	.002	.005	.002	.009	.000	.0009
%RSD	.1655	.0726	.1805	.1573	.3520	.1444	.3813	.0160	.5352
#1	1.505	1.560	1.500	1.269	1.533	1.497	2.214	1.292	.1677
#2	1.509	1.558	1.496	1.267	1.541	1.500	2.226	1.292	.1689

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.499**	**1.891**	**1.917**	**.9227**	**1.037**	**.2485**	**1.506**	**16.02**	**38.54**
Stddev	.006	.002	.004	.0051	.001	.0009	.001	.03	.19
%RSD	.4215	.1260	.2323	.5494	.1193	.3806	.0341	.1776	.4909
#1	1.495	1.892	1.920	.9263	1.036	.2478	1.506	16.00	38.67
#2	1.504	1.889	1.913	.9191	1.038	.2492	1.505	16.04	38.40

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.54**	**22.81**	F **677.0**	**142.6**	F **65.30**	**1.643**	**.3742**	**3.887**	**1.275**
Stddev	.03	.15	3.7	.1	.07	.002	.0006	.002	.001
%RSD	.1387	.6449	.5440	.0818	.1008	.0905	.1693	.0394	.0723
#1	18.56	22.91	674.4	142.7	65.34	1.644	.3737	3.888	1.275
#2	18.53	22.70	679.6	142.5	65.25	1.642	.3746	3.886	1.274

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.543**	**1.506**	**1.541**	**.5040**	**5.948**	**.0162**	**.0048**
Stddev	.002	.006	.000	.0019	.021	.0004	.0001
%RSD	.1254	.4294	.0257	.3832	.3536	2.658	2.487
#1	1.542	1.502	1.541	.5026	5.934	.0159	.0049
#2	1.545	1.511	1.541	.5054	5.963	.0165	.0047

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**63198.**	**26356.**	**909.92**	**3377.1**
Stddev	100.	67.	.35	3.6
%RSD	.15771	.25500	.03811	.10669
#1	63269.	26403.	910.17	3379.6
#2	63128.	26308.	909.68	3374.5

Zoom In Zoom Out

Sample Name: jb98772-1 Acquired: 7/15/2015 0:48:23 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0205**	**.0001**	**.0034**	**.0043**	**.0230**	**.1084**	**.9376**	**.0053**
Stddev	.0000	.0001	.0002	.0000	.0005	.0002	.0010	.0001
%RSD	.2178	68.49	6.744	.0759	1.957	.1456	.1050	1.909
#1	.0205	.0000	.0035	.0043	.0233	.1085	.9369	.0054
#2	.0206	.0001	.0032	.0043	.0227	.1082	.9383	.0052

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0002**	**.0027**	**.2563**	F **-.0054**	F **-.1994**	F **-.0045**	**.2884**	**.0463**
Stddev	.0002	.0001	.0013	.0024	.0006	.0018	.0018	.0019
%RSD	77.56	4.083	.5090	45.30	.3140	40.24	.6295	4.084
#1	.0003	.0027	.2553	-.0037	-.1989	-.0032	.2897	.0450
#2	.0001	.0026	.2572	-.0071	-.1998	-.0057	.2871	.0476

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2373**	**26.30**	**1.198**	**9.275**	F **791.4**	**147.5**	F **81.19**	**.0238**
Stddev	.0103	.00	.003	.038	1.6	.9	.05	.0002
%RSD	4.343	.0010	.2102	.4145	.2054	.6117	.0648	.8585
#1	.2446	26.30	1.200	9.248	792.5	146.9	81.15	.0237
#2	.2300	26.30	1.196	9.302	790.2	148.1	81.23	.0240

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0034**	**4.678**	**.1471**	**.0405**	**.0038**	F **-.0681**	**.0003**	**7.552**
Stddev	.0013	.002	.0024	.0001	.0002	.0009	.0003	.027
%RSD	39.63	.0347	1.658	.2743	5.015	1.293	78.90	.3524
#1	-.0024	4.680	.1488	.0405	.0039	-.0674	.0005	7.533
#2	-.0043	4.677	.1454	.0406	.0037	-.0687	.0002	7.571

Elem	Bi2230	Li6707
Avg	**.0049**	**.0062**
Stddev	.0002	.0001
%RSD	4.604	1.437
#1	.0047	.0061
#2	.0050	.0062

Zoom In Zoom Out

Sample Name: jb98772-1 Acquired: 7/15/2015 0:48:23 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**60256.**	**25874.**	**870.14**	**3299.0**
Stddev	98.	33.	.06	2.7
%RSD	.16224	.12825	.00651	.08252
#1	60187.	25897.	870.10	3300.9
#2	60325.	25850.	870.18	3297.1

Zoom In Zoom Out

Sample Name: mp87627-sd1 Acquired: 7/15/2015 0:54:35 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0225**	**-.0002**	**.0027**	**.0036**	**.0218**	**.1033**	**.9486**	**.0204**
Stddev	.0002	.0001	.0007	.0000	.0003	.0009	.0001	.0006
%RSD	.9075	33.30	27.56	1.308	1.161	.9041	.0155	2.883
#1	.0223	-.0002	.0032	.0036	.0220	.1027	.9487	.0208
#2	.0226	-.0003	.0021	.0036	.0216	.1040	.9485	.0200

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0038**	**.0037**	**.2352**	**.0083**	F **-.1559**	**-.0023**	**.2179**	**.0958**
Stddev	.0022	.0003	.0006	.0049	.0013	.0065	.0002	.0036
%RSD	57.22	7.867	.2468	59.59	.8176	285.5	.1071	3.765
#1	-.0054	.0035	.2356	.0117	-.1550	.0023	.2180	.0983
#2	-.0023	.0039	.2348	.0048	-.1568	-.0069	.2177	.0932

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2483**	**27.54**	**1.259**	**11.33**	**917.1**	**167.8**	**83.00**	**.0203**
Stddev	.0238	.06	.001	.14	.5	.1	.97	.0008
%RSD	9.594	.2090	.0619	1.228	.0491	.0699	1.164	4.120
#1	.2651	27.58	1.260	11.43	916.8	167.9	83.68	.0209
#2	.2314	27.50	1.258	11.23	917.5	167.8	82.32	.0197

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0024**	**4.869**	**.1024**	**.0395**	**.0048**	**-.0498**	**-.0003**	**7.996**
Stddev	.0011	.073	.0000	.0004	.0007	.0019	.0002	.056
%RSD	48.71	1.510	.0355	.9512	13.83	3.802	53.94	.6986
#1	-.0032	4.921	.1025	.0397	.0043	-.0485	-.0005	8.036
#2	-.0015	4.817	.1024	.0392	.0052	-.0512	-.0002	7.957

Elem	Bi2230	Li6707
Avg	**-.0003**	**.0066**
Stddev	.0053	.0011
%RSD	2073.	17.17
#1	-.0040	.0074
#2	.0035	.0058

Zoom In Zoom Out

Sample Name: mp87627-sd1 Acquired: 7/15/2015 0:54:35 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70775.**	**26850.**	**1054.0**	**3636.9**
Stddev	230.	57.	11.4	45.3
%RSD	.32523	.21259	1.0833	1.2461
#1	70612.	26809.	1045.9	3604.8
#2	70937.	26890.	1062.1	3668.9

Zoom In Zoom Out

Sample Name: jb98589-1 Acquired: 7/15/2015 1:00:37 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0365**	**.0018**	**.0017**	**.0020**	**.0051**	**.0047**	**1.542**	**.0098**	**.0004**
Stddev	.0000	.0001	.0002	.0000	.0002	.0002	.005	.0001	.0000
%RSD	.0836	3.094	8.948	1.824	3.238	4.029	.3354	1.274	2.650
#1	.0365	.0017	.0018	.0020	.0052	.0049	1.546	.0099	.0004
#2	.0364	.0018	.0016	.0020	.0049	.0046	1.538	.0098	.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0109**	**.0079**	**.0576**	**.0040**	**.0014**	**.0019**	**.0189**	**1.376**	**157.8**
Stddev	.0004	.0000	.0001	.0029	.0003	.0008	.0028	.005	.2
%RSD	3.790	.3864	.1711	71.90	25.32	40.88	14.91	.3909	.1111
#1	.0112	.0079	.0575	.0020	.0011	.0025	.0209	1.373	157.9
#2	.0106	.0079	.0577	.0061	.0016	.0014	.0170	1.380	157.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**9.831**	**35.81**	**6.056**	**10.01**	**.1583**	**.0165**	**.0124**	**6.542**	**.0015**
Stddev	.002	.05	.014	.04	.0028	.0001	.0003	.006	.0011
%RSD	.0173	.1420	.2278	.4314	1.766	.5207	2.426	.0890	76.93
#1	9.830	35.78	6.066	10.04	.1603	.0164	.0126	6.538	.0022
#2	9.832	35.85	6.046	9.975	.1563	.0165	.0122	6.546	.0007

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3835**	**.0243**	**.0031**	**-.0023**	F **167.7**	**-.0014**	**.0118**
Stddev	.0001	.0003	.0009	.0000	.1	.0008	.0012
%RSD	.0163	1.352	28.51	.2317	.0518	58.02	10.04
#1	.3836	.0245	.0025	-.0023	167.7	-.0008	.0126
#2	.3835	.0241	.0038	-.0023	167.8	-.0020	.0109

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71996.**	**26609.**	**1078.5**	**3491.3**
Stddev	201.	38.	.8	5.3
%RSD	.27971	.14250	.07479	.15136
#1	71853.	26583.	1077.9	3487.6
#2	72138.	26636.	1079.1	3495.1

Zoom In Zoom Out

Sample Name: jb98589-2 Acquired: 7/15/2015 1:06:41 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0477**	**.0001**	**-.0002**	**.0006**	**.0031**	**.0028**	**.7718**	**.0108**	**.0001**
Stddev	.0002	.0000	.0002	.0002	.0001	.0001	.0009	.0002	.0002
%RSD	.5210	42.93	94.58	39.56	2.336	4.097	.1190	1.477	339.5
#1	.0478	.0001	-.0001	.0004	.0031	.0028	.7724	.0109	.0002
#2	.0475	.0001	-.0003	.0007	.0032	.0027	.7711	.0107	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0056**	**.0061**	**.3338**	**.0034**	**-.0011**	**.0035**	**.0096**	**.9290**	**310.9**
Stddev	.0001	.0001	.0000	.0003	.0008	.0025	.0003	.0031	3.1
%RSD	1.116	1.287	.0146	8.094	74.30	71.44	3.524	.3364	.9991
#1	.0057	.0061	.3337	.0035	-.0016	.0053	.0094	.9268	313.1
#2	.0056	.0060	.3338	.0032	-.0005	.0018	.0099	.9312	308.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**4.133**	**36.00**	**5.132**	**22.00**	**.0880**	**.0014**	**.0099**	**6.619**	**-.0032**
Stddev	.001	.04	.019	.14	.0021	.0002	.0006	.013	.0011
%RSD	.0301	.1206	.3621	.6258	2.435	11.68	6.395	.2002	33.49
#1	4.133	35.97	5.119	22.10	.0895	.0013	.0095	6.629	-.0040
#2	4.132	36.03	5.145	21.91	.0865	.0015	.0104	6.610	-.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6367**	**.0191**	**.0014**	**-.0070**	F **216.7**	**-.0012**	**.0137**
Stddev	.0013	.0006	.0010	.0001	.0	.0013	.0003
%RSD	.2016	3.166	73.79	1.445	.0101	107.0	2.506
#1	.6376	.0186	.0021	-.0070	216.7	-.0003	.0135
#2	.6358	.0195	.0007	-.0071	216.7	-.0022	.0140

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69377.**	**26405.**	**1047.9**	**3341.4**
Stddev	209.	80.	.8	1.1
%RSD	.30157	.30358	.07909	.03439
#1	69525.	26348.	1047.4	3340.6
#2	69229.	26462.	1048.5	3342.3

Zoom In Zoom Out

Sample Name: jb98589-3 Acquired: 7/15/2015 1:12:47 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0307**	**.0000**	**.0003**	**-.0004**	**.0611**	**.0112**	**.4054**	**.0070**
Stddev	.0000	.000	.0001	.0003	.0003	.0002	.0010	.0000
%RSD	.0226	687.3	20.16	67.73	.4576	1.745	.2519	.5944
#1	.0307	.0000	.0003	-.0002	.0613	.0114	.4062	.0070
#2	.0307	.0000	.0004	-.0006	.0609	.0111	.4047	.0070

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0030**	**.0068**	**.1101**	**.0221**	**.0002**	**.0040**	**.0017**	**.0058**
Stddev	.0001	.0001	.0008	.0004	.0001	.0003	.0006	.0001
%RSD	2.547	.8801	.6950	1.651	68.81	8.300	36.96	1.738
#1	.0029	.0068	.1095	.0218	.0002	.0038	.0021	.0058
#2	.0030	.0069	.1106	.0223	.0001	.0043	.0012	.0059

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**1.846**	**251.8**	**2.889**	**12.82**	**4.011**	**15.75**	**.0484**	**-.0006**
Stddev	.008	.3	.006	.00	.040	.00	.0001	.0003
%RSD	.4531	.1352	.2142	.0179	.9908	.0062	.2311	48.64
#1	1.852	252.0	2.893	12.82	3.983	15.75	.0484	-.0009
#2	1.840	251.6	2.885	12.82	4.040	15.75	.0483	-.0004

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0093**	**30.39**	**-.0059**	**.2894**	**.0555**	**.0045**	F **-.0126**	F **212.5**
Stddev	.0011	.02	.0004	.0001	.0003	.0002	.0002	.2
%RSD	11.32	.0626	6.835	.0446	.4759	4.458	1.655	.1142
#1	.0086	30.38	-.0056	.2893	.0557	.0046	-.0127	212.3
#2	.0101	30.40	-.0062	.2895	.0553	.0043	-.0124	212.7

Elem	Bi2230	Li6707
Avg	**-.0013**	**.0150**
Stddev	.0004	.0006
%RSD	26.84	4.244
#1	-.0016	.0145
#2	-.0011	.0154

Zoom In Zoom Out

Sample Name: jb98589-3 Acquired: 7/15/2015 1:12:47 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71524.**	**26750.**	**1080.8**	**3444.8**
Stddev	208.	22.	1.6	1.1
%RSD	.29070	.08160	.14680	.03280
#1	71377.	26735.	1082.0	3444.0
#2	71671.	26766.	1079.7	3445.6

Zoom In Zoom Out

Sample Name: jb98589-4 Acquired: 7/15/2015 1:18:52 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0431**	**.0000**	**.0002**	**.0022**	**.1215**	**.0299**	**.1436**	**.0229**	**.0021**
Stddev	.0000	.0001	.0002	.0001	.0015	.0000	.0003	.0001	.0001
%RSD	.0230	483.7	83.24	5.156	1.230	.1096	.2347	.3216	3.867
#1	.0431	.0001	.0001	.0023	.1204	.0299	.1433	.0228	.0021
#2	.0431	.0000	.0004	.0021	.1225	.0298	.1438	.0229	.0020

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0200**	**.0126**	**.0290**	**.0000**	**.0001**	**.0009**	**.0055**	**.8057**	**385.2**
Stddev	.0006	.0000	.0007	.0014	.0001	.0004	.0005	.0040	2.3
%RSD	3.112	.3578	2.317	4186.	74.83	50.51	8.293	.4974	.6066
#1	.0204	.0126	.0294	.0010	.0002	.0006	.0052	.8029	383.6
#2	.0196	.0125	.0285	-.0009	.0001	.0012	.0058	.8086	386.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8184**	**14.59**	**4.880**	**11.76**	**.0551**	**.0045**	**.0109**	**21.46**	**-.0049**
Stddev	.0012	.01	.043	.01	.0001	.0003	.0013	.09	.0006
%RSD	.1417	.0940	.8796	.1069	.2210	7.652	11.88	.4027	12.30
#1	.8176	14.58	4.911	11.77	.0552	.0042	.0118	21.52	-.0045
#2	.8192	14.60	4.850	11.76	.0551	.0047	.0100	21.40	-.0054

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3459**	**.0271**	**.0039**	**-.0087**	F **152.0**	**-.0019**	**.0176**
Stddev	.0001	.0015	.0007	.0000	.4	.0001	.0002
%RSD	.0361	5.389	17.10	.2971	.2374	4.289	1.303
#1	.3460	.0281	.0044	-.0087	152.2	-.0019	.0175
#2	.3458	.0261	.0034	-.0087	151.7	-.0020	.0178

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	69669.	26324.	1056.5	3352.4
Stddev	142.	3.	6.9	14.0
%RSD	.20340	.00960	.65431	.41688
#1	69769.	26326.	1051.6	3342.5
#2	69569.	26323.	1061.4	3362.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 1:24:57 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.016**	**2.028**	**1.959**	**2.011**	**2.043**	**1.941**	**2.008**	**2.075**	**.2496**
Stddev	.001	.004	.026	.026	.001	.002	.005	.026	.0006
%RSD	.0380	.1704	1.332	1.299	.0255	.0797	.2738	1.234	.2236
#1	2.017	2.030	1.941	1.992	2.043	1.939	2.012	2.057	.2500
#2	2.016	2.025	1.978	2.029	2.042	1.942	2.004	2.094	.2492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.976**	**2.049**	**1.909**	**1.969**	**2.060**	**1.919**	**1.915**	**39.05**	**40.17**
Stddev	.004	.027	.025	.019	.027	.027	.020	.02	.01
%RSD	.1981	1.336	1.316	.9682	1.306	1.395	1.045	.0524	.0262
#1	1.978	2.029	1.891	1.956	2.041	1.900	1.901	39.03	40.17
#2	1.973	2.068	1.927	1.983	2.079	1.937	1.929	39.06	40.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.98**	**40.50**	**36.95**	**37.46**	**1.976**	**1.994**	**1.934**	**4.720**	**2.020**
Stddev	.07	.15	.02	.08	.020	.028	.001	.062	.025
%RSD	.1553	.3729	.0495	.2099	1.033	1.377	.0414	1.305	1.227
#1	42.03	40.60	36.94	37.40	1.962	1.975	1.934	4.677	2.003
#2	41.94	40.39	36.96	37.51	1.991	2.014	1.935	4.764	2.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 1:24:57 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.009**	**2.025**	**1.978**	**1.979**	**2.062**	**1.933**	**1.884**
Stddev	.006	.002	.027	.001	.031	.024	.003
%RSD	.2795	.0904	1.379	.0305	1.485	1.219	.1570
#1	2.005	2.027	1.958	1.978	2.040	1.916	1.882
#2	2.013	2.024	1.997	1.979	2.083	1.950	1.886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	73270.	26603.	1137.6	3591.3
Stddev	211.	68.	10.4	35.7
%RSD	.28738	.25442	.91602	.99432
#1	73121.	26651.	1145.0	3616.6
#2	73419.	26555.	1130.3	3566.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 1:30:53 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**-.0001**	**-.0001**	**.0003**	**-.0014**	**.0001**	**.0030**
Stddev	.0000	.000	.0000	.0002	.0004	.0003	.0000	.0002
%RSD	16.09	117.6	39.09	146.4	138.6	18.25	12.46	7.024
#1	.0002	-.0001	-.0001	-.0002	.0000	-.0013	.0001	.0032
#2	.0001	.0000	-.0002	.0000	.0005	-.0016	.0001	.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**.0004**	**-.0001**	**.0002**	**.0004**	**-.0001**	**.0012**	**.0015**
Stddev	.0003	.0003	.0002	.0006	.0021	.0006	.0001	.0001
%RSD	36.02	65.19	177.8	357.0	513.8	586.4	12.52	7.452
#1	-.0010	.0002	-.0003	-.0003	.0019	.0003	.0011	.0015
#2	-.0006	.0006	.0000	.0006	-.0011	-.0005	.0013	.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0058**	**-.0005**	**.0244**	**-.0070**	**.0123**	W **.0124**	**.0006**
Stddev	.0046	.0021	.0022	.0057	.0063	.0012	.0005	.0002
%RSD	3090.	36.80	413.1	23.57	90.01	9.365	4.421	41.94
#1	-.0034	-.0073	.0010	.0284	-.0026	.0115	.0128	.0007
#2	.0031	-.0043	-.0020	.0203	-.0115	.0131	.0120	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0100	
Low Limit							-.0100	

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 1:30:53 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0013**	**-.0004**	**.0000**	**-.0002**	**.0004**	**.0000**	**.0020**
Stddev	.0004	.0002	.0013	.0000	.0001	.0003	.0001	.0015
%RSD	170.5	12.27	296.1	173.7	67.33	68.77	2638.	73.88
#1	.0000	-.0012	.0005	.0001	-.0003	.0006	.0001	.0031
#2	-.0005	-.0015	-.0014	.0000	-.0001	.0002	-.0001	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0011**	**-.0009**
Stddev	.0006	.0011
%RSD	54.84	115.1
#1	-.0016	-.0002
#2	-.0007	-.0017
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**75644.**	**27424.**	**1155.6**	**3829.0**
Stddev	76.	21.	3.8	10.0
%RSD	.10036	.07684	.33283	.26245
#1	75697.	27439.	1152.9	3821.9
#2	75590.	27409.	1158.4	3836.1

Zoom In Zoom Out

Sample Name: jb98589-5 Acquired: 7/15/2015 1:36:59 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0801**	**.0003**	**.0006**	**.0007**	**.0098**	**.0777**	**.2165**	**.0088**	**.0004**
Stddev	.0003	.0000	.0001	.0002	.0007	.0037	.0099	.0003	.0001
%RSD	.3469	6.203	15.53	30.37	7.682	4.698	4.583	3.885	31.22
#1	.0803	.0003	.0007	.0009	.0103	.0803	.2235	.0086	.0003
#2	.0799	.0002	.0006	.0006	.0092	.0751	.2095	.0091	.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0051**	**.0956**	**.0062**	**.0025**	**-.0027**	**.0037**	**.0044**	**.2940**	**180.4**
Stddev	.0000	.0000	.0005	.0005	.0000	.0007	.0008	.0083	.5
%RSD	.0720	.0299	7.872	18.29	.8875	19.13	17.61	2.816	.2585
#1	.0051	.0956	.0065	.0028	-.0027	.0042	.0050	.2882	180.0
#2	.0051	.0956	.0058	.0021	-.0026	.0032	.0039	.2999	180.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2477**	**42.10**	**13.02**	**34.23**	**.0753**	**.0054**	**.0075**	**10.79**	**-.0033**
Stddev	.0009	.04	.03	.02	.0003	.0003	.0015	.01	.0006
%RSD	.3479	.0891	.2534	.0663	.3887	5.106	20.18	.0578	16.92
#1	.2471	42.12	13.04	34.25	.0751	.0052	.0064	10.78	-.0037
#2	.2483	42.07	13.00	34.22	.0755	.0056	.0086	10.79	-.0029

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3972**	**.0056**	**.0027**	**-.0069**	F **189.3**	**-.0016**	**.0240**
Stddev	.0005	.0004	.0001	.0002	.0	.0001	.0005
%RSD	.1256	7.066	3.193	3.523	.0001	6.586	2.261
#1	.3975	.0059	.0028	-.0068	189.3	-.0017	.0244
#2	.3968	.0053	.0027	-.0071	189.3	-.0015	.0237

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70401.**	**26622.**	**1074.3**	**3429.8**
Stddev	2672.	92.	1.4	5.8
%RSD	3.7946	.34610	.12613	.16972
#1	68512.	26557.	1073.4	3425.7
#2	72290.	26687.	1075.3	3434.0

Zoom In Zoom Out

Sample Name: jb98589-6 Acquired: 7/15/2015 1:43:05 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0351**	**.0003**	**.0003**	**.0001**	**.0079**	**.0065**	**.0269**	**.0079**	**.0004**
Stddev	.0001	.0000	.0002	.0001	.0002	.0002	.0000	.0004	.0002
%RSD	.2724	3.600	63.96	37.22	3.134	2.447	.1272	4.948	56.91
#1	.0352	.0003	.0004	.0001	.0081	.0066	.0269	.0082	.0005
#2	.0351	.0003	.0002	.0002	.0077	.0064	.0269	.0077	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0038**	**.0508**	**.0514**	**.0005**	**.0009**	**.0000**	**.0051**	**.8097**	**101.8**
Stddev	.0001	.0002	.0012	.0004	.0001	.0009	.0015	.0043	.4
%RSD	2.043	.4379	2.327	85.93	8.142	4533.	28.96	.5341	.3606
#1	.0038	.0507	.0522	.0008	.0010	-.0006	.0062	.8127	102.1
#2	.0039	.0510	.0505	.0002	.0009	.0007	.0041	.8066	101.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.8980**	**10.58**	**4.486**	**13.04**	**.0530**	**.0028**	**.0037**	**10.06**	**-.0020**
Stddev	.0034	.03	.011	.03	.0009	.0001	.0001	.01	.0024
%RSD	.3822	.2642	.2487	.2092	1.661	5.308	2.723	.1100	122.9
#1	.9004	10.60	4.494	13.02	.0536	.0029	.0038	10.05	-.0037
#2	.8955	10.57	4.478	13.05	.0524	.0027	.0037	10.07	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2810**	**.0133**	**.0017**	**-.0014**	**35.46**	**-.0010**	**.0117**
Stddev	.0006	.0008	.0008	.0000	.07	.0012	.0003
%RSD	.1976	5.911	48.47	1.936	.2074	117.5	2.464
#1	.2814	.0139	.0011	-.0013	35.40	-.0019	.0119
#2	.2806	.0128	.0023	-.0014	35.51	-.0002	.0115

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72527.**	**26753.**	**1098.0**	**3562.6**
Stddev	33.	51.	1.2	4.7
%RSD	.04553	.19144	.10856	.13158
#1	72550.	26717.	1098.8	3559.3
#2	72503.	26790.	1097.1	3565.9

Zoom In Zoom Out

Sample Name: jb98589-1f Acquired: 7/15/2015 1:49:05 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0272**	**.0001**	**.0001**	**-.0002**	**.0011**	**.0004**	**1.512**	**.0057**	**-.0005**
Stddev	.0001	.0000	.0002	.0002	.0001	.0001	.007	.0000	.0004
%RSD	.2403	3.450	219.1	112.3	5.424	17.92	.4514	.7704	74.96
#1	.0272	.0001	.0000	-.0004	.0010	.0004	1.507	.0058	-.0002
#2	.0271	.0001	.0002	.0000	.0011	.0005	1.517	.0057	-.0008

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0010**	**.0071**	**.0043**	**-.0015**	**.0010**	**.0074**	**.0626**	**151.8**
Stddev	.0000	.0002	.0005	.0018	.0007	.0021	.0003	.0077	.7
%RSD	1.735	18.54	6.461	42.36	50.39	204.1	3.519	12.35	.4551
#1	.0007	.0011	.0074	.0056	-.0020	-.0005	.0072	.0571	151.3
#2	.0006	.0008	.0068	.0030	-.0009	.0025	.0075	.0681	152.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1.040**	**34.16**	**4.718**	**9.730**	**.0348**	**.0122**	**.0072**	**4.232**	**-.0034**
Stddev	.007	.09	.018	.055	.0001	.0003	.0008	.001	.0006
%RSD	.6374	.2680	.3710	.5688	.1551	2.724	10.56	.0325	19.29
#1	1.045	34.22	4.705	9.691	.0347	.0124	.0077	4.231	-.0029
#2	1.035	34.09	4.730	9.770	.0348	.0120	.0066	4.233	-.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3757**	**-.0002**	**.0004**	**-.0061**	F **166.6**	**-.0008**	**.0088**
Stddev	.0004	.0001	.0006	.0000	.3	.0001	.0001
%RSD	.0936	34.83	147.0	.7132	.1631	11.69	1.200
#1	.3754	-.0002	.0000	-.0062	166.4	-.0007	.0087
#2	.3759	-.0003	.0008	-.0061	166.8	-.0009	.0088

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71416.**	**26444.**	**1082.1**	**3491.8**
Stddev	114.	31.	.2	7.4
%RSD	.16030	.11779	.01906	.21145
#1	71497.	26466.	1082.3	3486.5
#2	71335.	26422.	1082.0	3497.0

Zoom In Zoom Out

Sample Name: jb98589-2f Acquired: 7/15/2015 1:55:11 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0376**	**.0000**	**-.0001**	**-.0001**	**.0011**	**-.0004**	**.7072**	**.0071**	**-.0003**
Stddev	.0000	.000	.0002	.0003	.0002	.0002	.0003	.0002	.0003
%RSD	.0041	69.98	163.0	498.8	16.70	47.31	.0378	2.974	82.87
#1	.0376	.0000	.0000	-.0002	.0013	-.0005	.7070	.0073	-.0005
#2	.0376	.0000	-.0003	.0001	.0010	-.0002	.7074	.0070	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.0000**	**.1844**	**.0037**	**-.0028**	**.0005**	**.0056**	**.0227**	**294.3**
Stddev	.0004	.000	.0002	.0023	.0014	.0019	.0001	.0046	2.0
%RSD	40.20	72.25	.1307	60.62	51.80	382.2	1.935	20.32	.6709
#1	.0007	-.0001	.1842	.0021	-.0018	-.0009	.0057	.0259	292.9
#2	.0013	.0000	.1845	.0053	-.0038	.0019	.0056	.0194	295.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1258**	**35.40**	**4.795**	**21.36**	**.0571**	**.0012**	**.0086**	**5.015**	**-.0033**
Stddev	.0235	.01	.005	.11	.0003	.0001	.0002	.006	.0008
%RSD	18.66	.0314	.1096	.4990	.5133	8.125	2.128	.1203	25.06
#1	.1424	35.40	4.799	21.44	.0569	.0013	.0085	5.019	-.0027
#2	.1092	35.39	4.791	21.29	.0573	.0011	.0088	5.010	-.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6166**	**-.0002**	**.0015**	**-.0076**	F **213.9**	**-.0011**	**.0124**
Stddev	.0024	.0003	.0011	.0001	.3	.0001	.0001
%RSD	.3860	131.0	74.80	.8896	.1334	12.83	.5401
#1	.6183	.0000	.0007	-.0075	214.1	-.0010	.0123
#2	.6149	-.0004	.0023	-.0076	213.7	-.0012	.0124

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69981.**	**26208.**	**1064.6**	**3371.7**
Stddev	19.	57.	2.0	7.7
%RSD	.02775	.21921	.18529	.22735
#1	69967.	26168.	1063.2	3366.3
#2	69995.	26249.	1066.0	3377.2

Zoom In Zoom Out

Sample Name: jb98589-3f Acquired: 7/15/2015 2:01:17 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0217**	**.0000**	**.0004**	**-.0006**	**.0435**	**-.0002**	**.4820**	**.0038**
Stddev	.0001	.0000	.0002	.0003	.0001	.0001	.0011	.0003
%RSD	.6452	6372.	52.15	51.07	.3394	80.67	.2365	6.757
#1	.0218	.0000	.0005	-.0004	.0436	-.0003	.4828	.0040
#2	.0216	.0000	.0002	-.0008	.0434	-.0001	.4812	.0037

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0031**	**.0025**	**.0010**	**.0168**	**.0012**	**-.0028**	**.0012**	**.0059**
Stddev	.0003	.0002	.0002	.0001	.0020	.0007	.0005	.0004
%RSD	9.693	8.195	20.05	.7548	162.8	25.43	41.11	5.964
#1	.0028	.0023	.0009	.0167	.0026	-.0033	.0016	.0062
#2	.0033	.0026	.0012	.0169	-.0002	-.0023	.0009	.0057

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0402**	**273.4**	**.4884**	**14.68**	**4.401**	**17.76**	**.0355**	**-.0009**
Stddev	.0152	1.2	.0016	.07	.016	.11	.0004	.0004
%RSD	37.88	.4472	.3218	.4871	.3520	.6443	1.174	43.06
#1	.0294	274.3	.4873	14.63	4.412	17.84	.0358	-.0012
#2	.0510	272.6	.4895	14.73	4.390	17.68	.0352	-.0006

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0097**	**32.60**	**-.0088**	**.3221**	**.0021**	**.0034**	F **-.0149**	F **229.7**
Stddev	.0002	.06	.0019	.0001	.0000	.0002	.0000	.1
%RSD	1.760	.1716	21.79	.0280	.4097	5.053	.0088	.0467
#1	.0098	32.64	-.0101	.3220	.0021	.0033	-.0149	229.8
#2	.0096	32.56	-.0074	.3222	.0020	.0035	-.0149	229.7

Elem	Bi2230	Li6707
Avg	**-.0034**	**.0158**
Stddev	.0001	.0005
%RSD	2.669	3.330
#1	-.0034	.0162
#2	-.0035	.0155

Zoom In Zoom Out

Sample Name: jb98589-3f Acquired: 7/15/2015 2:01:17 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70493.**	**26464.**	**1055.0**	**3387.6**
Stddev	2.	79.	3.2	9.2
%RSD	.00244	.29809	.30777	.27095
#1	70492.	26520.	1052.7	3381.1
#2	70494.	26408.	1057.3	3394.1

Zoom In Zoom Out

Sample Name: jb98589-4f Acquired: 7/15/2015 2:07:24 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0312**	**-.0001**	**.0001**	**.0022**	**.1069**	**.0354**	**-.0001**	**.0209**	**-.0003**
Stddev	.0001	.0001	.0001	.0004	.0024	.0014	.0000	.0003	.0002
%RSD	.2266	72.11	67.74	17.77	2.287	3.945	26.31	1.511	60.52
#1	.0311	-.0001	.0002	.0020	.1052	.0344	-.0001	.0207	-.0005
#2	.0312	.0000	.0001	.0025	.1086	.0364	-.0001	.0211	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0099**	**-.0001**	**.0126**	**.0017**	**-.0021**	**.0008**	**.0040**	**.0310**	**275.4**
Stddev	.0005	.0003	.0003	.0001	.0017	.0034	.0005	.0115	1.3
%RSD	4.722	254.7	2.085	4.857	83.18	425.1	13.08	37.13	.4746
#1	.0096	.0001	.0124	.0017	-.0009	.0032	.0036	.0391	274.4
#2	.0103	-.0004	.0128	.0018	-.0033	-.0016	.0043	.0228	276.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0068**	**.1115**	**4.348**	**10.37**	**.0268**	**.0079**	**.0090**	**7.200**	**-.0033**
Stddev	.0000	.0004	.026	.02	.0001	.0003	.0013	.003	.0016
%RSD	.2226	.3458	.5882	.1944	.4830	4.218	13.97	.0344	48.64
#1	.0068	.1117	4.366	10.36	.0268	.0077	.0081	7.202	-.0044
#2	.0069	.1112	4.330	10.39	.0267	.0081	.0098	7.198	-.0022

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3408**	**-.0004**	**.0016**	**-.0066**	F **132.3**	**-.0017**	**.0113**
Stddev	.0017	.0001	.0004	.0000	.1	.0006	.0001
%RSD	.5101	30.94	22.06	.3504	.0489	34.00	1.225
#1	.3396	-.0003	.0013	-.0066	132.2	-.0021	.0112
#2	.3420	-.0005	.0018	-.0066	132.3	-.0013	.0114

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70429.**	**26644.**	**1057.9**	**3407.0**
Stddev	1829.	93.	.9	.7
%RSD	2.5962	.34836	.08653	.01985
#1	71722.	26709.	1057.3	3407.5
#2	69136.	26578.	1058.6	3406.5

Zoom In Zoom Out

Sample Name: jb98589-5f Acquired: 7/15/2015 2:13:32 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0761**	**.0000**	**.0003**	**.0003**	**.0056**	**.0604**	**.2017**	**.0057**	**.0004**
Stddev	.0002	.000	.0002	.0002	.0003	.0003	.0002	.0004	.0001
%RSD	.2286	431.1	59.83	74.35	5.983	.4311	.1183	7.378	38.81
#1	.0762	.0000	.0002	.0004	.0054	.0602	.2015	.0054	.0005
#2	.0759	-.0001	.0004	.0001	.0059	.0606	.2019	.0060	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0039**	**.0878**	**.0057**	**.0027**	**-.0024**	**.0029**	**.0048**	**.0823**	**177.2**
Stddev	.0002	.0002	.0002	.0012	.0011	.0007	.0001	.0108	1.4
%RSD	4.604	.2465	3.878	44.48	46.31	25.57	2.929	13.15	.7829
#1	.0038	.0877	.0055	.0018	-.0032	.0024	.0049	.0747	178.2
#2	.0040	.0880	.0058	.0035	-.0016	.0034	.0047	.0900	176.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0562**	**41.20**	**12.85**	**32.54**	**.0561**	**.0049**	**.0069**	**10.55**	**-.0041**
Stddev	.0012	.14	.04	.20	.0003	.0004	.0007	.02	.0015
%RSD	2.141	.3498	.3443	.6241	.6034	9.051	10.41	.2130	37.40
#1	.0554	41.09	12.89	32.68	.0563	.0052	.0074	10.57	-.0030
#2	.0571	41.30	12.82	32.40	.0559	.0046	.0064	10.54	-.0052

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3949**	**.0002**	**.0018**	**-.0090**	F **186.5**	**-.0013**	**.0234**
Stddev	.0007	.0001	.0003	.0001	.2	.0003	.0004
%RSD	.1747	42.35	18.30	.6006	.1108	23.91	1.757
#1	.3954	.0003	.0015	-.0090	186.3	-.0016	.0231
#2	.3944	.0001	.0020	-.0089	186.6	-.0011	.0236

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71008.**	**26609.**	**1064.8**	**3416.3**
Stddev	143.	101.	.1	4.4
%RSD	.20189	.38066	.00544	.12944
#1	71110.	26538.	1064.8	3419.4
#2	70907.	26681.	1064.9	3413.2

Zoom In Zoom Out

Sample Name: jb98589-6f Acquired: 7/15/2015 2:19:40 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0312**	**.0000**	**.0001**	**-.0006**	**.0036**	**.0026**	**.0140**	**.0046**
Stddev	.0001	.000	.0001	.0000	.0002	.0001	.0001	.0001
%RSD	.2355	162.2	105.7	4.989	6.063	4.755	.9328	1.923
#1	.0312	.0000	.0000	-.0006	.0037	.0027	.0139	.0047
#2	.0311	.0000	.0002	-.0006	.0034	.0025	.0141	.0046

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0002**	**.0026**	**.0251**	**.0457**	F **-.0022**	**-.0008**	**.0012**	**.0062**
Stddev	.0003	.0000	.0001	.0004	.0011	.0003	.0014	.0011
%RSD	204.1	1.019	.3771	.8308	48.71	36.53	120.6	18.48
#1	.0004	.0026	.0250	.0454	-.0014	-.0006	.0022	.0054
#2	-.0001	.0026	.0251	.0460	-.0029	-.0010	.0002	.0070

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0895**	**99.64**	**.0413**	**10.11**	**4.179**	**13.23**	**.0368**	**.0024**
Stddev	.0085	.06	.0014	.01	.002	.07	.0000	.0001
%RSD	9.502	.0640	3.483	.0682	.0451	.5567	.0585	4.480
#1	.0835	99.59	.0403	10.11	4.180	13.29	.0368	.0023
#2	.0956	99.68	.0423	10.10	4.178	13.18	.0368	.0025

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0031**	**9.136**	**-.0030**	**.2828**	**.0002**	**.0017**	**-.0027**	**35.98**
Stddev	.0009	.040	.0004	.0001	.0003	.0013	.0000	.14
%RSD	30.32	.4397	12.71	.0382	138.2	76.56	1.778	.3806
#1	.0037	9.107	-.0027	.2829	.0004	.0027	-.0027	35.89
#2	.0024	9.164	-.0033	.2827	.0000	.0008	-.0028	36.08

Elem	Bi2230	Li6707
Avg	**-.0021**	**.0095**
Stddev	.0004	.0009
%RSD	21.00	8.974
#1	-.0018	.0101
#2	-.0024	.0089

Zoom In Zoom Out

Sample Name: jb98589-6f Acquired: 7/15/2015 2:19:40 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72363.**	**26648.**	**1084.2**	**3532.6**
Stddev	9.	23.	3.6	15.5
%RSD	.01197	.08790	.33263	.43808
#1	72357.	26665.	1086.7	3543.5
#2	72369.	26632.	1081.6	3521.6

Zoom In Zoom Out

Sample Name: jb98727-1a Acquired: 7/15/2015 2:25:41 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3426**	**-.0001**	**.0002**	**-.0005**	**.0000**	**.0001**	**.2707**	**.0003**	**-.0004**
Stddev	.0007	.0000	.0001	.0004	.000	.0000	.0002	.0003	.0003
%RSD	.1928	4.639	40.14	71.57	256.5	5.736	.0728	89.79	85.33
#1	.3421	-.0001	.0002	-.0003	-.0001	.0001	.2706	.0005	-.0002
#2	.3430	-.0001	.0003	-.0008	.0000	.0001	.2708	.0001	-.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.0045**	**.0001**	**-.0007**	**-.0005**	**-.0015**	**.0011**	**.0671**	**98.23**
Stddev	.0002	.0002	.0009	.0004	.0009	.0022	.0007	.0035	.73
%RSD	326.0	5.435	1406.	53.62	183.5	145.6	60.47	5.288	.7396
#1	.0002	.0047	-.0006	-.0004	-.0011	.0000	.0015	.0696	98.75
#2	-.0001	.0044	.0007	-.0009	.0001	-.0031	.0006	.0646	97.72

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.711**	**49.56**	**3.904**	**54.14**	**.1397**	**-.0012**	**.0016**	**6.291**	**-.0027**
Stddev	.001	.21	.003	.04	.0006	.0003	.0005	.006	.0005
%RSD	.0290	.4298	.0635	.0686	.4325	22.09	33.55	.0945	19.30
#1	2.710	49.71	3.903	54.12	.1392	-.0010	.0012	6.295	-.0024
#2	2.711	49.41	3.906	54.17	.1401	-.0014	.0020	6.286	-.0031

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3498**	**-.0006**	**.0007**	**-.0017**	**1.393**	**-.0021**	**.0060**
Stddev	.0004	.0006	.0020	.0000	.004	.0002	.0007
%RSD	.1148	103.6	285.9	1.601	.3123	8.013	11.28
#1	.3496	-.0010	.0021	-.0017	1.390	-.0022	.0065
#2	.3501	-.0002	-.0007	-.0017	1.397	-.0020	.0055

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71671.**	**26668.**	**1074.7**	**3454.8**
Stddev	43.	130.	1.8	2.8
%RSD	.06034	.48835	.16839	.08013
#1	71702.	26576.	1073.4	3452.9
#2	71641.	26760.	1076.0	3456.8

Zoom In Zoom Out

Sample Name: jb98772-2 Acquired: 7/15/2015 2:31:42 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0210**	**.0001**	**.0043**	**.0046**	**.0247**	**.1204**	**.9837**	**.0057**
Stddev	.0001	.0000	.0001	.0005	.0002	.0001	.0010	.0001
%RSD	.5414	70.94	2.105	11.15	.8967	.0769	.1055	2.301
#1	.0210	.0000	.0042	.0042	.0248	.1204	.9829	.0056
#2	.0211	.0001	.0043	.0049	.0245	.1203	.9844	.0058

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0002**	**.0027**	**.2691**	F **-.0142**	F **-.2444**	F **-.0072**	**.3483**	**.0377**
Stddev	.0000	.0001	.0008	.0002	.0001	.0002	.0032	.0013
%RSD	14.14	5.153	.3108	1.589	.0485	2.702	.9286	3.552
#1	.0002	.0026	.2685	-.0140	-.2443	-.0071	.3460	.0367
#2	.0001	.0028	.2697	-.0143	-.2445	-.0074	.3505	.0386

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2474**	**27.09**	**1.205**	**9.678**	F **838.4**	**162.1**	F **89.07**	**.0262**
Stddev	.0127	.06	.004	.015	.0	.2	.12	.0003
%RSD	5.149	.2298	.3695	.1571	.0040	.1047	.1324	1.047
#1	.2564	27.05	1.201	9.689	838.4	162.0	88.99	.0260
#2	.2384	27.13	1.208	9.668	838.4	162.2	89.16	.0264

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0040**	**5.135**	**.1753**	**.0436**	**.0042**	F **-.0797**	**.0013**	**8.441**
Stddev	.0012	.010	.0004	.0001	.0004	.0006	.0000	.027
%RSD	29.80	.2030	.2195	.3329	9.372	.7796	3.458	.3160
#1	-.0031	5.127	.1750	.0437	.0045	-.0793	.0013	8.422
#2	-.0048	5.142	.1755	.0435	.0040	-.0802	.0012	8.460

Elem	Bi2230	Li6707
Avg	**.0038**	**.0047**
Stddev	.0003	.0003
%RSD	8.900	6.757
#1	.0040	.0049
#2	.0035	.0044

Zoom In Zoom Out

Sample Name: jb98772-2 Acquired: 7/15/2015 2:31:42 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**59319.**	**25581.**	**843.00**	**3207.4**
Stddev	67.	56.	1.89	3.0
%RSD	.11224	.21734	.22409	.09444
#1	59366.	25621.	844.34	3209.6
#2	59272.	25542.	841.67	3205.3

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 2:37:54 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**2.012**	**1.980**	**2.021**	**2.034**	**1.949**	**1.978**	**2.090**	**.2500**
Stddev	.004	.001	.000	.001	.001	.004	.001	.003	.0002
%RSD	.1943	.0466	.0037	.0305	.0309	.1812	.0607	.1425	.0617
#1	2.049	2.011	1.980	2.020	2.033	1.952	1.977	2.088	.2499
#2	2.044	2.013	1.980	2.021	2.034	1.947	1.979	2.092	.2501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.950**	**2.046**	**1.926**	**1.945**	**2.073**	**1.948**	**1.944**	**39.57**	**39.42**
Stddev	.001	.001	.004	.003	.003	.004	.002	.09	.13
%RSD	.0474	.0348	.2031	.1706	.1442	.2214	.1156	.2287	.3178
#1	1.951	2.047	1.929	1.943	2.076	1.951	1.943	39.64	39.33
#2	1.949	2.046	1.923	1.948	2.071	1.945	1.946	39.51	39.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.36**	**40.66**	**37.13**	**37.87**	**2.043**	**2.023**	**1.948**	**4.780**	**2.039**
Stddev	.05	.04	.07	.09	.007	.003	.005	.001	.000
%RSD	.1204	.0981	.1790	.2377	.3259	.1649	.2656	.0234	.0094
#1	42.33	40.69	37.18	37.94	2.048	2.026	1.952	4.781	2.039
#2	42.40	40.63	37.08	37.81	2.038	2.021	1.944	4.780	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 2:37:54 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.026**	**2.025**	**1.998**	**1.973**	**2.115**	**1.966**	**1.920**
Stddev	.008	.001	.005	.000	.010	.002	.006
%RSD	.3973	.0276	.2344	.0019	.4919	.1086	.3392
#1	2.032	2.025	2.001	1.973	2.123	1.967	1.925
#2	2.021	2.026	1.994	1.973	2.108	1.964	1.916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**72975.**	**26520.**	**1120.9**	**3535.5**
Stddev	198.	49.	2.4	2.7
%RSD	.27102	.18562	.21317	.07607
#1	72835.	26555.	1119.2	3533.6
#2	73115.	26485.	1122.6	3537.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 2:43:51 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0001**	**.0001**	**.0000**	**.0001**	**-.0013**	**.0002**	**.0010**
Stddev	.0000	.0000	.0000	.0000	.0005	.0002	.0000	.0000
%RSD	6.507	29.39	7.038	75.13	475.9	17.95	19.11	2.583
#1	.0002	-.0001	.0001	.0000	-.0002	-.0012	.0001	.0011
#2	.0002	-.0001	.0001	.0001	.0004	-.0015	.0002	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0018**	**.0004**	**.0000**	**-.0005**	**.0002**	**.0004**	**-.0003**	**.0020**
Stddev	.0005	.0004	.0000	.0006	.0002	.0002	.0005	.0000
%RSD	29.51	92.43	97.36	107.0	94.90	50.66	161.8	1.728
#1	-.0014	.0007	.0000	-.0009	.0001	.0003	.0000	.0020
#2	-.0021	.0001	.0001	-.0001	.0003	.0005	-.0006	.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**-.0073**	**-.0002**	**.0220**	**.0120**	**.0120**	W **.0270**	**.0006**
Stddev	.0015	.0004	.0009	.0054	.0094	.0082	.0019	.0004
%RSD	56.96	5.308	380.2	24.36	78.55	68.03	6.996	64.23
#1	.0036	-.0070	-.0009	.0258	.0186	.0062	.0283	.0009
#2	.0015	-.0075	.0004	.0182	.0053	.0178	.0257	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0100	
Low Limit							-.0100	

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 2:43:51 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0030**	**.0005**	**.0001**	**.0000**	**.0006**	**.0001**	**.0059**
Stddev	.0001	.0043	.0001	.0000	.000	.0010	.0002	.0008
%RSD	42.62	143.9	18.31	34.83	712.3	176.1	117.6	14.08
#1	.0003	-.0001	.0006	.0001	-.0003	.0013	.0003	.0053
#2	.0002	.0060	.0004	.0001	.0002	-.0001	.0000	.0065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0005**	**-.0004**
Stddev	.0014	.0006
%RSD	285.1	150.6
#1	-.0015	-.0009
#2	.0005	.0000
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**75832.**	**27467.**	**1150.3**	**3798.8**
Stddev	108.	324.	1.9	10.6
%RSD	.14286	1.1791	.16928	.27877
#1	75755.	27696.	1151.6	3806.3
#2	75909.	27238.	1148.9	3791.3

Zoom In Zoom Out

Sample Name: jb98811-1 Acquired: 7/15/2015 2:49:56 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0010**	**.0000**	**.0003**	**.0005**	**.0174**	**.0867**	**.2332**	**.0454**	**-.0014**
Stddev	.0000	.0000	.0000	.0003	.0005	.0009	.0003	.0002	.0002
%RSD	1.193	719.1	13.53	68.53	2.678	.9978	.1324	.3441	12.31
#1	.0010	.0000	.0003	.0007	.0177	.0861	.2334	.0455	-.0013
#2	.0010	.0000	.0002	.0002	.0170	.0873	.2330	.0453	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0008**	**.0488**	**.0006**	**.0003**	**.0001**	**.0006**	**.0025**	**.1109**	**.2218**
Stddev	.0002	.0002	.0000	.0016	.0003	.0005	.0008	.0013	.0028
%RSD	19.62	.3323	2.295	503.4	460.3	75.77	31.87	1.175	1.262
#1	.0009	.0487	.0006	-.0008	-.0002	.0010	.0030	.1119	.2198
#2	.0007	.0489	.0006	.0014	.0003	.0003	.0019	.1100	.2238

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3677**	**.0256**	**.0184**	**.1319**	**.0264**	**.0001**	**-.0005**	**.5587**	**.0011**
Stddev	.0003	.0137	.0232	.0022	.0002	.0002	.0002	.0008	.0009
%RSD	.0724	53.31	125.7	1.664	.8785	209.8	53.24	.1406	81.17
#1	.3679	.0353	.0021	.1335	.0266	.0003	-.0006	.5582	.0018
#2	.3675	.0160	.0348	.1304	.0263	-.0001	-.0003	.5593	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0028**	**.0002**	**.0109**	**.0002**	**.0176**	**-.0010**	**-.0004**
Stddev	.0001	.0003	.0003	.0001	.0013	.0002	.0011
%RSD	2.964	109.0	2.844	47.27	7.221	21.12	301.0
#1	.0027	.0001	.0111	.0001	.0185	-.0008	-.0011
#2	.0028	.0004	.0106	.0003	.0167	-.0011	.0004

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75543.**	**27154.**	**1138.6**	**3780.7**
Stddev	75.	38.	.5	4.0
%RSD	.09968	.14062	.04495	.10665
#1	75596.	27181.	1138.9	3777.8
#2	75490.	27127.	1138.2	3783.5

Zoom In Zoom Out

Sample Name: jb98811-13 Acquired: 7/15/2015 2:55:57 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**-.0001**	**.0001**	**.0008**	**.2531**	**.1128**	**.0842**	**.0324**	**-.0014**
Stddev	.0000	.0001	.0000	.0001	.0022	.0004	.0004	.0002	.0002
%RSD	6.089	87.01	5.114	6.587	.8587	.3240	.4882	.7645	14.55
#1	.0006	.0000	.0001	.0008	.2547	.1131	.0845	.0325	-.0015
#2	.0005	-.0001	.0001	.0008	.2516	.1125	.0839	.0322	-.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0028**	**.1496**	**-.0014**	**-.0018**	**.0009**	**.0009**	**.0023**	**.0421**	**.3769**
Stddev	.0004	.0002	.0017	.0000	.0005	.0005	.0001	.0061	.0029
%RSD	13.08	.1330	122.9	.7799	51.85	61.75	4.224	14.38	.7663
#1	.0031	.1495	-.0002	-.0017	.0013	.0005	.0022	.0464	.3789
#2	.0026	.1498	-.0026	-.0018	.0006	.0013	.0023	.0379	.3749

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2899**	**.1171**	**.0626**	**.3345**	**.0281**	**.0005**	**.0003**	**.7958**	**.0002**
Stddev	.0019	.0056	.0336	.0008	.0013	.0002	.0002	.0007	.0017
%RSD	.6724	4.781	53.64	.2510	4.637	48.18	82.84	.0934	853.1
#1	.2913	.1210	.0863	.3351	.0291	.0006	.0001	.7953	-.0010
#2	.2885	.1131	.0388	.3339	.0272	.0003	.0005	.7964	.0014

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0062**	**.0017**	**.0009**	**.0000**	**.0221**	**-.0024**	**-.0003**
Stddev	.0000	.0010	.0002	.0001	.0013	.0003	.0005
%RSD	.5567	57.65	27.02	716.9	6.053	13.78	148.0
#1	.0062	.0010	.0010	.0001	.0230	-.0026	.0000
#2	.0062	.0024	.0007	-.0001	.0211	-.0022	-.0007

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75854.**	**27303.**	**1135.8**	**3781.7**
Stddev	423.	84.	.7	1.7
%RSD	.55769	.30592	.05966	.04406
#1	75555.	27244.	1136.3	3782.9
#2	76153.	27362.	1135.3	3780.5

Zoom In Zoom Out

Sample Name: jb98907-3 Acquired: 7/15/2015 3:01:57 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0007**	**.0000**	**.0000**	**.0005**	**.0336**	**.0665**	**.1323**	**.0350**	**-.0013**
Stddev	.0001	.0000	.0001	.0002	.0002	.0007	.0005	.0000	.0001
%RSD	10.70	215.8	212.3	41.02	.4672	1.025	.3516	.0599	10.72
#1	.0007	.0000	.0001	.0004	.0335	.0670	.1326	.0350	-.0012
#2	.0008	.0000	.0000	.0007	.0338	.0660	.1319	.0350	-.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0010**	**.1661**	**-.0005**	**-.0019**	**.0003**	**.0008**	**.0018**	**.2101**	**.1636**
Stddev	.0003	.0013	.0008	.0011	.0003	.0013	.0009	.0012	.0021
%RSD	29.93	.7819	154.6	57.25	99.20	159.5	51.06	.5584	1.274
#1	.0012	.1652	.0001	-.0012	.0001	.0017	.0025	.2109	.1621
#2	.0008	.1670	-.0011	-.0027	.0004	-.0001	.0012	.2093	.1650

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6177**	**.0164**	**.0351**	**.0957**	**.0160**	**-.0001**	**.0007**	**.2533**	**-.0003**
Stddev	.0000	.0054	.0111	.0067	.0005	.0002	.0003	.0013	.0011
%RSD	.0046	33.13	31.73	6.997	2.940	187.4	50.23	.5235	411.5
#1	.6177	.0202	.0430	.1004	.0163	.0000	.0004	.2524	-.0011
#2	.6178	.0126	.0272	.0910	.0156	-.0002	.0009	.2542	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0012**	**.0002**	**.0062**	**.0001**	**.0214**	**-.0021**	**-.0012**
Stddev	.0000	.0005	.0003	.0000	.0027	.0004	.0004
%RSD	1.134	215.3	5.132	55.25	12.63	18.03	34.22
#1	.0012	.0006	.0064	.0001	.0195	-.0024	-.0014
#2	.0012	-.0001	.0060	.0000	.0233	-.0018	-.0009

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**75258.**	**27034.**	**1129.3**	**3748.3**
Stddev	160.	32.	1.4	5.8
%RSD	.21207	.11720	.12426	.15466
#1	75146.	27012.	1128.3	3744.2
#2	75371.	27057.	1130.3	3752.4

Zoom In Zoom Out

Sample Name: jb98699-6a Acquired: 7/15/2015 3:07:59 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0021**	**-.0001**	**.0000**	**-.0001**	**.0006**	**.0045**	**.0222**	**.0044**	**-.0015**
Stddev	.0002	.0000	.0000	.0001	.0001	.0001	.0001	.0003	.0004
%RSD	11.10	4.273	124.4	41.47	11.67	3.280	.2788	8.003	23.83
#1	.0020	-.0001	.0001	-.0002	.0007	.0046	.0222	.0041	-.0017
#2	.0023	-.0001	.0000	-.0001	.0006	.0044	.0223	.0046	-.0012

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0001**	**.2467**	**-.0002**	**-.0006**	**.0005**	**-.0001**	**.0020**	**.0404**	**.1079**
Stddev	.0001	.0001	.0004	.0005	.0013	.0010	.0007	.0010	.0007
%RSD	44.67	.0250	177.9	77.66	252.7	1236.	34.20	2.411	.6750
#1	.0002	.2467	-.0005	-.0003	.0015	.0007	.0025	.0411	.1084
#2	.0001	.2467	.0001	-.0010	-.0004	-.0008	.0015	.0397	.1074

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0358**	**.0154**	**-.0035**	**.0675**	**.0145**	**-.0003**	**-.0002**	**.2510**	**.0010**
Stddev	.0007	.0284	.0015	.0026	.0000	.0002	.0001	.0006	.0002
%RSD	1.999	184.3	42.71	3.895	.2041	52.57	48.73	.2199	18.94
#1	.0363	-.0047	-.0046	.0656	.0145	-.0004	-.0003	.2514	.0008
#2	.0353	.0355	-.0025	.0693	.0145	-.0002	-.0001	.2506	.0011

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0031**	**.0035**	**.0006**	**-.0002**	**.0183**	**-.0021**	**-.0007**
Stddev	.0000	.0001	.0005	.0002	.0034	.0007	.0012
%RSD	1.187	3.046	83.44	99.37	18.66	35.12	184.9
#1	.0032	.0036	.0003	-.0003	.0207	-.0016	-.0016
#2	.0031	.0034	.0010	-.0001	.0158	-.0026	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76069.**	**27171.**	**1139.6**	**3781.3**
Stddev	276.	46.	2.8	6.2
%RSD	.36262	.16846	.24167	.16468
#1	75874.	27204.	1141.5	3785.7
#2	76264.	27139.	1137.6	3776.9

Zoom In Zoom Out

Sample Name: MP87632-B1 2 Acquired: 7/15/2015 3:14:01 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**1.969**	**1.954**	**1.929**	**1.944**	**1.972**	**1.892**	**1.919**	**2.017**
Stddev	.000	.002	.005	.001	.005	.002	.005	.000
%RSD	.0131	.0746	.2529	.0608	.2593	.1161	.2508	.0054
#1	1.969	1.955	1.925	1.943	1.968	1.893	1.916	2.017
#2	1.969	1.953	1.932	1.945	1.975	1.890	1.923	2.017

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.2263**	**1.890**	**2.004**	**1.872**	**1.919**	**2.009**	**1.898**	**1.900**
Stddev	.0006	.007	.004	.004	.003	.000	.000	.001
%RSD	.2591	.3894	.1967	.2119	.1414	.0139	.0060	.0275
#1	.2267	1.885	2.001	1.869	1.917	2.009	1.898	1.900
#2	.2259	1.896	2.007	1.874	1.921	2.010	1.898	1.900

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**24.60**	**24.41**	**24.96**	**25.27**	**22.95**	**23.73**	**1.933**	**1.976**
Stddev	.01	.02	.02	.11	.06	.02	.001	.002
%RSD	.0541	.0747	.0712	.4157	.2578	.0762	.0734	.0876
#1	24.61	24.42	24.97	25.34	22.99	23.72	1.932	1.977
#2	24.59	24.40	24.94	25.19	22.91	23.75	1.934	1.975

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**1.844**	**.2579**	**2.007**	**1.954**	**1.961**	**1.944**	**1.906**	F **-.0695**
Stddev	.004	.0004	.004	.021	.000	.000	.003	.0006
%RSD	.2406	.1548	.2205	1.052	.0053	.0045	.1608	.7980
#1	1.847	.2576	2.003	1.969	1.961	1.944	1.903	-.0691
#2	1.841	.2582	2.010	1.939	1.961	1.944	1.908	-.0699

Elem	Bi2230	Li6707
Avg	**.0136**	**-.0001**
Stddev	.0006	.0002
%RSD	4.328	145.6
#1	.0141	-.0003
#2	.0132	.0000

Zoom In Zoom Out

Sample Name: MP87632-B1 2 Acquired: 7/15/2015 3:14:01 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: water

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74170.**	**26824.**	**1123.7**	**3621.6**
Stddev	48.	32.	.6	2.4
%RSD	.06538	.11845	.05065	.06500
#1	74204.	26846.	1123.3	3619.9
#2	74136.	26801.	1124.2	3623.3

Zoom In Zoom Out

Sample Name: MP87632-MB1 2 Acquired: 7/15/2015 3:19:57 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**-.0001**	**-.0001**	**.0000**	**-.0014**	**.0002**	**.0011**	**-.0016**
Stddev	.0000	.0000	.0001	.0000	.0006	.0002	.0000	.0003	.0001
%RSD	18.00	62.22	173.7	4.998	21580.	13.87	9.584	31.42	4.391
#1	.0003	.0000	.0000	-.0001	.0004	-.0015	.0002	.0014	-.0016
#2	.0002	-.0001	-.0001	-.0001	-.0004	-.0012	.0002	.0009	-.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0001**	**.0004**	**.0002**	**-.0003**	**-.0012**	**.0006**	**.0566**	**.1141**
Stddev	.0000	.0003	.0009	.0010	.0004	.0029	.0003	.0041	.0016
%RSD	4.008	320.9	239.0	630.9	165.1	235.4	43.02	7.193	1.444
#1	.0002	-.0001	-.0003	-.0005	-.0006	-.0032	.0004	.0595	.1153
#2	.0002	.0003	.0010	.0008	.0000	.0008	.0008	.0537	.1129

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0117**	**.0253**	**-.0048**	**.0099**	**.0147**	**.0008**	**.0002**	**.0259**	**.0007**
Stddev	.0008	.0050	.0165	.0018	.0000	.0003	.0007	.0032	.0010
%RSD	6.461	19.94	345.2	18.31	.0957	36.21	294.0	12.50	149.8
#1	.0112	.0217	-.0165	.0111	.0147	.0010	.0007	.0282	.0013
#2	.0123	.0288	.0069	.0086	.0147	.0006	-.0002	.0236	.0000

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0008**	**.0004**	**.0009**	**.0020**	**.0060**	**-.0014**	**-.0010**
Stddev	.0000	.0000	.0007	.0001	.0018	.0005	.0003
%RSD	3.201	2.497	77.47	7.384	30.37	36.75	25.87
#1	.0008	.0005	.0004	.0021	.0073	-.0010	-.0008
#2	.0008	.0004	.0014	.0019	.0047	-.0017	-.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	76961.	27150.	1136.8	3777.5
Stddev	1764.	67.	.0	2.5
%RSD	2.2917	.24717	.00266	.06657
#1	78208.	27197.	1136.8	3779.3
#2	75713.	27102.	1136.9	3775.7

Zoom In Zoom Out

Sample Name: MP87632-S1 Acquired: 7/15/2015 3:26:00 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.107**	**2.007**	**2.003**	**1.999**	**1.991**	**1.981**	**2.090**	**2.079**	**.2357**
Stddev	.007	.001	.002	.001	.000	.001	.000	.001	.0002
%RSD	.3110	.0483	.1072	.0431	.0096	.0551	.0058	.0654	.0905
#1	2.112	2.008	2.001	1.999	1.991	1.980	2.090	2.079	.2359
#2	2.102	2.006	2.004	2.000	1.991	1.982	2.090	2.080	.2356

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.929**	**2.081**	**1.942**	**1.930**	**2.072**	**1.977**	**1.962**	**25.87**	**139.7**
Stddev	.000	.009	.000	.001	.007	.003	.002	.05	1.3
%RSD	.0048	.4332	.0045	.0439	.3601	.1363	.1180	.1905	.9652
#1	1.929	2.075	1.942	1.930	2.067	1.979	1.963	25.91	140.7
#2	1.930	2.088	1.942	1.929	2.078	1.975	1.960	25.84	138.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**25.66**	**74.50**	**24.93**	**66.90**	**2.142**	**2.003**	**1.981**	**6.214**	**2.016**
Stddev	.07	.04	.13	.10	.001	.003	.001	.000	.000
%RSD	.2694	.0588	.5380	.1540	.0576	.1262	.0483	.0052	.0042
#1	25.71	74.53	24.84	66.82	2.141	2.001	1.980	6.215	2.016
#2	25.62	74.47	25.03	66.97	2.143	2.004	1.981	6.214	2.016

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.197**	**1.991**	**1.985**	**1.944**	**19.62**	**.0143**	**.0059**
Stddev	.002	.001	.000	.002	.03	.0002	.0001
%RSD	.1104	.0490	.0213	.0757	.1711	1.626	1.145
#1	2.196	1.991	1.984	1.943	19.59	.0145	.0058
#2	2.199	1.990	1.985	1.945	19.64	.0141	.0059

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	71591.	26267.	1077.8	3394.1
Stddev	121.	71.	.9	3.3
%RSD	.16946	.27068	.08653	.09665
#1	71677.	26217.	1077.1	3391.8
#2	71506.	26317.	1078.5	3396.4

Zoom In Zoom Out

Sample Name: MP87632-S2 Acquired: 7/15/2015 3:31:58 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.053**	**1.958**	**1.956**	**1.947**	**1.941**	**1.928**	**2.048**	**2.023**	**.2314**
Stddev	.003	.005	.007	.006	.002	.003	.003	.010	.0000
%RSD	.1554	.2578	.3594	.3258	.1045	.1566	.1204	.4889	.0208
#1	2.051	1.955	1.951	1.943	1.943	1.930	2.046	2.016	.2314
#2	2.055	1.962	1.961	1.952	1.940	1.926	2.050	2.030	.2314

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.885**	**2.034**	**1.890**	**1.886**	**2.016**	**1.919**	**1.915**	**25.20**	**139.0**
Stddev	.000	.004	.002	.001	.007	.004	.007	.09	.0
%RSD	.0008	.1956	.0787	.0461	.3577	.1973	.3841	.3586	.0151
#1	1.885	2.031	1.889	1.885	2.011	1.917	1.910	25.13	138.9
#2	1.885	2.037	1.891	1.887	2.021	1.922	1.921	25.26	139.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**25.02**	**73.42**	**24.32**	**66.01**	**2.092**	**1.953**	**1.927**	**6.125**	**1.969**
Stddev	.03	.30	.11	.29	.011	.005	.000	.017	.007
%RSD	.1396	.4133	.4333	.4396	.5344	.2799	.0125	.2813	.3563
#1	25.00	73.21	24.24	65.81	2.084	1.949	1.927	6.113	1.964
#2	25.05	73.63	24.39	66.22	2.100	1.957	1.926	6.137	1.974

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.118**	**1.951**	**1.928**	**1.903**	**19.43**	**.0135**	**.0063**
Stddev	.006	.003	.006	.001	.11	.0002	.0001
%RSD	.2841	.1707	.3171	.0315	.5715	1.136	2.354
#1	2.114	1.948	1.924	1.902	19.36	.0134	.0064
#2	2.123	1.953	1.932	1.903	19.51	.0136	.0062

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71836.**	**26364.**	**1082.3**	**3413.1**
Stddev	213.	35.	2.8	8.9
%RSD	.29647	.13302	.26229	.26042
#1	71987.	26339.	1084.4	3419.3
#2	71686.	26389.	1080.3	3406.8

Zoom In Zoom Out

Sample Name: JB98495-1AB Acquired: 7/15/2015 3:37:56 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0629**	**.0000**	**.0001**	**.0000**	**.0037**	**.0070**	**.1604**	**.0102**	**-.0002**
Stddev	.0003	.000	.0003	.0005	.0003	.0000	.0001	.0004	.0001
%RSD	.4242	1884.	347.3	5364.	7.059	.4679	.0495	3.878	29.16
#1	.0631	.0000	-.0001	.0004	.0039	.0071	.1605	.0099	-.0002
#2	.0627	.0000	.0003	-.0003	.0035	.0070	.1604	.0105	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0900**	**.0009**	**.0009**	**.0019**	**.0001**	**.0019**	**.1849**	**114.1**
Stddev	.0001	.0001	.0011	.0001	.0013	.0007	.0005	.0106	.2
%RSD	13.01	.1021	121.3	7.454	65.43	1174.	25.05	5.757	.1734
#1	.0005	.0900	.0001	.0009	.0010	-.0005	.0022	.1774	114.2
#2	.0006	.0899	.0017	.0008	.0028	.0006	.0016	.1924	114.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2897**	**46.51**	**.4399**	**41.25**	**.1638**	**.0008**	**.0041**	**6.021**	**-.0006**
Stddev	.0020	.09	.0084	.09	.0001	.0001	.0001	.018	.0009
%RSD	.6731	.2040	1.907	.2087	.0775	19.08	2.489	.3003	154.9
#1	.2911	46.58	.4458	41.31	.1637	.0009	.0042	6.008	-.0012
#2	.2883	46.44	.4339	41.19	.1639	.0007	.0040	6.033	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1603**	**.0031**	**.0029**	**.0009**	**19.79**	**-.0010**	**.0047**
Stddev	.0004	.0002	.0005	.0002	.06	.0013	.0002
%RSD	.2492	5.521	16.48	22.17	.2928	133.2	5.150
#1	.1606	.0030	.0026	.0011	19.75	-.0001	.0048
#2	.1600	.0032	.0033	.0008	19.83	-.0019	.0045

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72135.**	**26662.**	**1078.6**	**3465.5**
Stddev	72.	12.	2.5	5.3
%RSD	.09943	.04674	.23302	.15414
#1	72186.	26653.	1080.4	3469.3
#2	72085.	26671.	1076.9	3461.7

Zoom In Zoom Out

Sample Name: MP87632-SD1 Acquired: 7/15/2015 3:43:57 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0624**	**-.0003**	**.0001**	**-.0012**	**.0034**	**.0023**	**.1641**	**.0115**	**-.0049**
Stddev	.0008	.0002	.0006	.0003	.0008	.0004	.0002	.0019	.0002
%RSD	1.284	50.50	482.5	26.38	24.45	18.63	.1125	16.73	4.878
#1	.0630	-.0005	-.0003	-.0014	.0028	.0020	.1642	.0101	-.0047
#2	.0619	-.0002	.0005	-.0010	.0040	.0026	.1639	.0128	-.0050

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0015**	**.1126**	**.0046**	**.0042**	**.0066**	**-.0017**	**-.0002**	**.2758**	**112.0**
Stddev	.0005	.0005	.0047	.0036	.0045	.0057	.0051	.0089	.4
%RSD	32.63	.4007	102.5	86.77	68.21	336.3	2116.	3.235	.3899
#1	.0012	.1123	.0080	.0016	.0097	-.0057	.0034	.2821	111.7
#2	.0018	.1129	.0013	.0068	.0034	.0023	-.0038	.2695	112.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.3224**	**44.83**	**.4072**	**38.95**	**.1811**	**.0007**	**.0037**	**5.861**	**-.0048**
Stddev	.0063	.10	.0247	.18	.0045	.0012	.0089	.019	.0017
%RSD	1.970	.2334	6.076	.4718	2.479	171.9	239.9	.3273	36.50
#1	.3179	44.76	.4247	39.08	.1779	.0015	.0101	5.848	-.0060
#2	.3269	44.91	.3897	38.82	.1843	-.0001	-.0026	5.875	-.0035

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1578**	**.0025**	**.0080**	**.0010**	**18.89**	**-.0060**	**.0038**
Stddev	.0009	.0007	.0012	.0006	.06	.0015	.0047
%RSD	.5719	27.67	14.77	57.44	.3004	25.64	123.5
#1	.1585	.0030	.0072	.0014	18.85	-.0049	.0071
#2	.1572	.0020	.0088	.0006	18.93	-.0071	.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**74891.**	**27202.**	**1131.3**	**3710.4**
Stddev	38.	33.	1.1	4.3
%RSD	.05096	.11960	.09354	.11703
#1	74918.	27225.	1132.0	3713.5
#2	74864.	27179.	1130.5	3707.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 3:50:00 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.010**	**1.979**	**2.014**	**2.024**	**1.944**	**1.964**	**2.083**	**.2493**
Stddev	.002	.006	.001	.002	.004	.001	.001	.002	.0016
%RSD	.0917	.3196	.0475	.1164	.2247	.0295	.0637	.1135	.6246
#1	2.032	2.014	1.980	2.012	2.021	1.945	1.965	2.085	.2504
#2	2.030	2.005	1.978	2.016	2.028	1.944	1.963	2.082	.2482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.942**	**2.041**	**1.920**	**1.941**	**2.069**	**1.932**	**1.935**	**39.45**	**39.36**
Stddev	.005	.002	.002	.002	.000	.002	.000	.03	.04
%RSD	.2806	.0737	.0931	.1123	.0193	.1049	.0164	.0720	.1058
#1	1.946	2.040	1.921	1.942	2.068	1.934	1.935	39.47	39.39
#2	1.938	2.042	1.919	1.939	2.069	1.931	1.935	39.43	39.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.16**	**40.52**	**37.02**	**37.81**	**1.990**	**2.018**	**1.937**	**4.769**	**2.036**
Stddev	.17	.07	.09	.17	.003	.002	.004	.002	.003
%RSD	.3954	.1693	.2302	.4601	.1604	.0891	.1844	.0502	.1271
#1	42.28	40.57	36.96	37.69	1.992	2.019	1.940	4.771	2.038
#2	42.05	40.47	37.08	37.94	1.988	2.017	1.935	4.768	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 3:50:00 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.010**	**2.013**	**1.990**	**1.968**	**2.130**	**1.964**	**1.919**
Stddev	.009	.004	.007	.001	.001	.007	.005
%RSD	.4687	.1802	.3641	.0300	.0512	.3742	.2495
#1	2.017	2.015	1.995	1.968	2.130	1.970	1.916
#2	2.003	2.010	1.985	1.968	2.131	1.959	1.923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73615.**	**26701.**	**1122.1**	**3544.7**
Stddev	30.	58.	1.2	3.4
%RSD	.04043	.21543	.10461	.09543
#1	73594.	26742.	1121.3	3542.3
#2	73636.	26660.	1123.0	3547.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 3:55:57 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0001**	**-.0003**	**.0005**	**-.0016**	**.0001**	**.0002**	**-.0016**
Stddev	.0001	.0000	.0000	.0000	.0004	.0003	.0000	.0002	.0002
%RSD	131.1	4.551	31.27	4.606	72.68	21.22	8.204	80.53	9.502
#1	.0002	-.0001	.0002	-.0003	.0007	-.0014	.0001	.0001	-.0017
#2	.0000	-.0001	.0001	-.0003	.0002	-.0019	.0001	.0004	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0002**	**.0011**	**-.0009**	**-.0010**	**.0003**	**.0007**	**.0011**	**-.0048**
Stddev	.0003	.0002	.0004	.0003	.0009	.0001	.0007	.0041	.0004
%RSD	97.86	125.3	34.01	28.73	90.19	48.52	104.2	390.6	7.385
#1	.0001	.0000	.0013	-.0011	-.0004	.0004	.0012	-.0019	-.0046
#2	.0005	-.0004	.0008	-.0007	-.0016	.0002	.0002	.0040	-.0051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0008**	**.0217**	**-.0208**	**.0034**	**.0046**	**.0007**	**.0003**	**-.0013**	**-.0017**
Stddev	.0012	.0029	.0272	.0009	.0004	.0000	.0007	.0010	.0001
%RSD	155.8	13.37	130.8	27.28	8.261	2.578	203.8	78.27	4.747
#1	-.0001	.0238	-.0400	.0041	.0048	.0008	-.0001	-.0006	-.0018
#2	.0017	.0197	-.0016	.0027	.0043	.0007	.0008	-.0020	-.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 3:55:57 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0012**	**.0002**	**.0014**	**-.0009**	**-.0009**
Stddev	.0000	.0000	.0005	.0002	.0008	.0005	.0002
%RSD	32.94	40.79	41.72	133.5	57.61	55.70	18.62
#1	.0000	.0001	.0008	.0004	.0008	-.0005	-.0010
#2	.0000	.0000	.0015	.0000	.0020	-.0012	-.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**76138.**	**27454.**	**1160.8**	**3834.6**
Stddev	377.	5.	3.8	11.9
%RSD	.49500	.01776	.32475	.31116
#1	75871.	27457.	1158.1	3826.2
#2	76404.	27450.	1163.5	3843.1

Zoom In Zoom Out

Sample Name: JB98495-4A Acquired: 7/15/2015 4:02:02 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0841**	**-.0001**	**.0003**	**-.0006**	**.0038**	**.0025**	**.0443**	**.0060**	**-.0002**
Stddev	.0000	.0000	.0000	.0003	.0002	.0001	.0003	.0003	.0005
%RSD	.0153	41.83	17.32	41.72	4.771	5.803	.6332	5.437	257.9
#1	.0841	.0000	.0003	-.0004	.0039	.0026	.0445	.0058	-.0006
#2	.0841	-.0001	.0003	-.0008	.0037	.0024	.0441	.0062	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0007**	**.0046**	**.0016**	**.0001**	**.0011**	**.0001**	**.0012**	**.2128**	**176.9**
Stddev	.0001	.0001	.0017	.0002	.0008	.0003	.0001	.0076	.8
%RSD	21.54	1.112	104.3	159.4	68.77	297.6	4.648	3.577	.4270
#1	.0008	.0046	.0004	.0000	.0006	.0003	.0013	.2074	177.4
#2	.0006	.0045	.0028	.0002	.0016	-.0001	.0012	.2182	176.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6589**	**72.81**	**.9541**	**32.45**	**.1164**	**.0016**	**.0054**	**9.240**	**-.0041**
Stddev	.0045	.07	.0063	.18	.0004	.0003	.0005	.017	.0003
%RSD	.6880	.0954	.6559	.5575	.3384	16.72	8.760	.1837	7.673
#1	.6557	72.86	.9497	32.32	.1166	.0014	.0058	9.228	-.0043
#2	.6621	72.76	.9585	32.57	.1161	.0018	.0051	9.252	-.0039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2365**	**.0029**	**.0017**	**-.0031**	**62.08**	**-.0019**	**.0121**
Stddev	.0003	.0002	.0001	.0001	.23	.0010	.0006
%RSD	.1063	5.993	5.992	3.247	.3669	51.31	4.968
#1	.2363	.0028	.0018	-.0032	61.92	-.0012	.0125
#2	.2366	.0031	.0017	-.0030	62.24	-.0025	.0116

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71141.**	**26689.**	**1066.3**	**3423.1**
Stddev	350.	100.	2.4	11.2
%RSD	.49189	.37527	.22152	.32859
#1	70894.	26618.	1068.0	3431.1
#2	71388.	26760.	1064.6	3415.1

Zoom In Zoom Out

Sample Name: JB98495-7A Acquired: 7/15/2015 4:08:07 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0907**	**.0001**	**.0005**	**.0010**	**.0044**	**.0060**	**2.084**	**.0110**	**.0001**
Stddev	.0001	.0000	.0004	.0000	.0003	.0004	.007	.0001	.0001
%RSD	.1221	7.961	77.23	.7358	6.052	6.725	.3553	.6335	171.2
#1	.0908	.0001	.0002	.0010	.0043	.0057	2.078	.0109	.0002
#2	.0906	.0001	.0008	.0010	.0046	.0063	2.089	.0110	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0026**	**.0052**	**.0048**	**.0010**	**.0034**	**-.0033**	**.0014**	**1.590**	**64.82**
Stddev	.0001	.0006	.0004	.0008	.0008	.0022	.0004	.018	.36
%RSD	3.549	12.49	8.768	74.53	22.07	65.62	26.72	1.110	.5586
#1	.0025	.0047	.0045	.0005	.0039	-.0048	.0017	1.577	65.08
#2	.0027	.0056	.0050	.0016	.0029	-.0018	.0011	1.602	64.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.019**	**22.46**	**1.091**	**42.31**	**.1433**	**.0023**	**.0019**	**8.459**	**-.0017**
Stddev	.002	.10	.005	.10	.0006	.0001	.0005	.001	.0001
%RSD	.0866	.4626	.5014	.2440	.3874	3.537	28.06	.0163	5.229
#1	2.020	22.53	1.095	42.24	.1429	.0023	.0023	8.460	-.0017
#2	2.018	22.39	1.087	42.38	.1437	.0024	.0015	8.458	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2011**	**.0266**	**.0012**	**.0005**	**1.953**	**-.0009**	**.0039**
Stddev	.0001	.0001	.0000	.0001	.005	.0002	.0002
%RSD	.0267	.3336	2.852	27.19	.2549	19.36	5.680
#1	.2012	.0265	.0012	.0004	1.949	-.0010	.0038
#2	.2011	.0266	.0012	.0006	1.956	-.0007	.0041

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73223.**	**26861.**	**1104.3**	**3547.8**
Stddev	309.	78.	.5	2.2
%RSD	.42195	.29049	.04630	.06160
#1	73441.	26806.	1104.6	3546.2
#2	73004.	26916.	1103.9	3549.3

Zoom In Zoom Out

Sample Name: JB98495-2AB Acquired: 7/15/2015 4:14:07 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0410**	**-.0001**	**.0001**	**-.0008**	**.0005**	**.0011**	**.0009**	**.0023**	**-.0005**
Stddev	.0000	.0001	.0001	.0000	.0001	.0000	.0000	.0000	.0002
%RSD	.0160	103.8	147.2	5.595	23.31	2.979	1.264	1.694	38.77
#1	.0410	-.0001	.0001	-.0008	.0004	.0011	.0009	.0023	-.0006
#2	.0410	.0000	.0000	-.0007	.0006	.0011	.0009	.0023	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0149**	**-.0009**	**-.0009**	**-.0002**	**.0006**	**.0007**	**.0862**	**79.72**
Stddev	.0001	.0001	.0011	.0011	.0001	.0008	.0013	.0054	.07
%RSD	24.32	.8449	123.2	124.5	26.64	142.5	181.2	6.301	.0881
#1	.0004	.0148	-.0001	-.0001	-.0003	.0012	-.0002	.0901	79.67
#2	.0003	.0150	-.0016	-.0017	-.0002	.0000	.0016	.0824	79.77

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0621**	**30.84**	**.7267**	**22.59**	**.0872**	**.0009**	**.0027**	**6.362**	**-.0028**
Stddev	.0008	.08	.0100	.10	.0001	.0000	.0002	.022	.0002
%RSD	1.357	.2537	1.380	.4308	.0710	.3704	8.874	.3442	6.343
#1	.0626	30.89	.7196	22.66	.0871	.0009	.0025	6.346	-.0029
#2	.0615	30.78	.7338	22.52	.0872	.0009	.0029	6.377	-.0027

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3116**	**.0004**	**.0012**	**-.0015**	**17.30**	**-.0019**	**.0044**
Stddev	.0000	.0001	.0009	.0000	.03	.0006	.0015
%RSD	.0028	28.80	70.51	1.808	.1913	32.95	33.03
#1	.3116	.0004	.0006	-.0016	17.28	-.0014	.0055
#2	.3116	.0003	.0018	-.0015	17.33	-.0023	.0034

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**73120.**	**26855.**	**1094.0**	**3546.0**
Stddev	49.	3.	3.9	7.7
%RSD	.06756	.01240	.35662	.21624
#1	73085.	26857.	1096.7	3551.4
#2	73155.	26852.	1091.2	3540.5

Zoom In Zoom Out

Sample Name: JB98495-3AB Acquired: 7/15/2015 4:20:08 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0693**	**-.0001**	**.0002**	**.0006**	**-.0001**	**.0185**	**1.226**	**.0092**	**.0002**
Stddev	.0001	.0000	.0001	.0004	.0002	.0001	.004	.0003	.0002
%RSD	.1052	21.06	29.16	62.72	346.0	.2841	.3314	2.833	85.58
#1	.0693	-.0001	.0002	.0008	-.0002	.0184	1.224	.0090	.0003
#2	.0694	-.0001	.0003	.0003	.0001	.0185	1.229	.0094	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0979**	**.0020**	**.0009**	**.0002**	**-.0008**	**.0017**	**.0857**	**114.6**
Stddev	.0001	.0003	.0001	.0018	.0008	.0008	.0005	.0092	.2
%RSD	24.68	.2848	5.740	186.8	345.3	95.98	29.18	10.76	.1831
#1	.0002	.0977	.0021	.0022	-.0003	-.0014	.0014	.0792	114.7
#2	.0002	.0981	.0019	-.0003	.0008	-.0003	.0021	.0922	114.4

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.2953**	**56.72**	**.2604**	**11.46**	**.0359**	**.0002**	**.0027**	**8.577**	**-.0024**
Stddev	.0005	.00	.0016	.06	.0003	.0002	.0003	.007	.0001
%RSD	.1631	.0028	.6040	.5530	.8053	87.10	10.34	.0816	4.348
#1	.2950	56.72	.2615	11.42	.0361	.0003	.0025	8.582	-.0024
#2	.2957	56.72	.2593	11.51	.0357	.0001	.0029	8.572	-.0025

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1776**	**-.0003**	**.0021**	**-.0019**	**13.58**	**-.0019**	**.0055**
Stddev	.0004	.0000	.0008	.0001	.00	.0003	.0008
%RSD	.2056	.0875	38.10	6.783	.0343	14.25	14.00
#1	.1773	-.0003	.0026	-.0019	13.58	-.0021	.0049
#2	.1779	-.0003	.0015	-.0018	13.58	-.0018	.0060

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**72315.**	**26600.**	**1079.6**	**3496.5**
Stddev	312.	21.	1.6	2.5
%RSD	.43206	.07941	.14868	.07157
#1	72536.	26615.	1078.4	3494.7
#2	72094.	26585.	1080.7	3498.3

Zoom In Zoom Out

Sample Name: JB98495-4AF Acquired: 7/15/2015 4:26:07 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0767**	**.0000**	**.0002**	**-.0007**	**.0004**	**.0337**	**.0517**	**.0036**	**.0001**
Stddev	.0000	.000	.0002	.0005	.0009	.0003	.0003	.0001	.0002
%RSD	.0536	52.73	97.60	65.81	252.4	.8219	.5836	2.456	272.0
#1	.0768	.0000	.0000	-.0010	.0010	.0339	.0515	.0035	.0002
#2	.0767	.0000	.0003	-.0004	-.0003	.0335	.0519	.0037	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0216**	**.0001**	**.0016**	**-.0001**	**-.0012**	**.0008**	**.0528**	**172.1**
Stddev	.0002	.0010	.0016	.0008	.0006	.0044	.0002	.0115	2.0
%RSD	47.79	4.460	1348.	53.41	655.6	366.6	24.10	21.85	1.180
#1	.0005	.0209	-.0010	.0021	-.0005	.0019	.0007	.0610	170.6
#2	.0003	.0223	.0013	.0010	.0003	-.0044	.0010	.0447	173.5

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0062**	**71.38**	**.8733**	**45.24**	**.1907**	**.0011**	**.0048**	**8.852**	**-.0035**
Stddev	.0011	.04	.0077	.05	.0001	.0000	.0011	.013	.0009
%RSD	18.06	.0602	.8801	.1176	.0560	2.790	21.85	.1482	26.64
#1	.0070	71.35	.8787	45.20	.1907	.0011	.0056	8.843	-.0041
#2	.0054	71.41	.8678	45.28	.1908	.0011	.0041	8.861	-.0028

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2336**	**-.0008**	**.0016**	**-.0042**	**66.00**	**-.0011**	**.0119**
Stddev	.0003	.0004	.0013	.0000	.19	.0013	.0004
%RSD	.1251	43.98	84.24	.9394	.2817	113.9	3.713
#1	.2334	-.0011	.0025	-.0042	65.87	-.0002	.0115
#2	.2338	-.0006	.0006	-.0042	66.14	-.0020	.0122

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**70934.**	**26619.**	**1060.2**	**3406.1**
Stddev	110.	2.	1.6	1.1
%RSD	.15460	.00668	.15289	.03345
#1	71012.	26620.	1061.3	3405.3
#2	70857.	26618.	1059.0	3406.9

Zoom In Zoom Out

Sample Name: JB98495-5AB Acquired: 7/15/2015 4:32:14 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3175**	**.0001**	**.0002**	**.0003**	**.0003**	**.0006**	**2.557**	**.0022**	**.0002**
Stddev	.0001	.0000	.0002	.0002	.0004	.0003	.011	.0003	.0002
%RSD	.0273	1.898	87.62	61.78	122.7	51.82	.4264	12.03	121.0
#1	.3174	.0001	.0001	.0002	.0006	.0004	2.550	.0024	.0003
#2	.3176	.0001	.0003	.0005	.0000	.0008	2.565	.0020	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0012**	**-.0006**	**.0365**	**.0014**	**-.0004**	**-.0059**	**.0016**	**.0611**	**222.4**
Stddev	.0001	.0002	.0002	.0020	.0007	.0015	.0009	.0156	1.0
%RSD	6.104	31.40	.5815	137.2	175.5	25.03	52.29	25.52	.4622
#1	.0011	-.0005	.0363	.0028	.0001	-.0049	.0010	.0501	221.7
#2	.0012	-.0007	.0366	.0000	-.0009	-.0069	.0022	.0722	223.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**21.66**	**66.98**	**.9003**	**79.99**	**.5690**	**.0088**	**.0054**	**9.223**	**-.0038**
Stddev	.05	.16	.0153	.29	.0016	.0001	.0013	.015	.0001
%RSD	.2339	.2449	1.698	.3649	.2727	.6177	23.75	.1636	3.900
#1	21.63	66.86	.9111	80.19	.5701	.0089	.0063	9.234	-.0037
#2	21.70	67.09	.8894	79.78	.5679	.0088	.0045	9.213	-.0039

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.4937**	**-.0006**	**.0019**	**-.0054**	**83.87**	**-.0004**	**.0069**
Stddev	.0004	.0002	.0006	.0001	.05	.0002	.0003
%RSD	.0784	26.45	32.06	1.785	.0598	42.94	4.420
#1	.4940	-.0007	.0024	-.0055	83.84	-.0005	.0067
#2	.4934	-.0005	.0015	-.0053	83.91	-.0003	.0071

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**69542.**	**26258.**	**1045.8**	**3330.3**
Stddev	176.	24.	2.6	2.7
%RSD	.25320	.08972	.24892	.08142
#1	69667.	26241.	1043.9	3332.2
#2	69418.	26274.	1047.6	3328.4

Zoom In Zoom Out

Sample Name: JB98495-6AB Acquired: 7/15/2015 4:38:22 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1005**	**.0001**	**.0004**	**.0012**	**.0140**	**.0990**	**.7260**	**.1193**	**.0004**
Stddev	.0002	.0000	.0001	.0005	.0006	.0004	.0003	.0014	.0003
%RSD	.2305	.1440	24.96	36.40	4.064	.3748	.0461	1.156	88.63
#1	.1007	.0001	.0004	.0009	.0136	.0988	.7263	.1183	.0006
#2	.1003	.0001	.0005	.0016	.0144	.0993	.7258	.1203	.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0018**	**.0302**	**.0044**	**.0000**	**.0036**	**.0013**	**.0028**	**.5563**	**159.0**
Stddev	.0001	.0009	.0003	.0014	.0015	.0009	.0017	.0016	.3
%RSD	4.468	2.860	6.439	5140.	42.31	72.91	60.31	.2860	.1738
#1	.0018	.0296	.0042	-.0010	.0025	.0006	.0016	.5551	159.2
#2	.0019	.0308	.0046	.0010	.0046	.0019	.0040	.5574	158.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**2.830**	**66.87**	**.6377**	**20.33**	**.1020**	**.0026**	**.0036**	**9.471**	**-.0008**
Stddev	.012	.06	.0095	.06	.0015	.0002	.0002	.155	.0033
%RSD	.4183	.0919	1.490	.3008	1.445	7.356	4.718	1.641	430.1
#1	2.822	66.83	.6444	20.37	.1010	.0028	.0037	9.362	-.0031
#2	2.838	66.92	.6310	20.28	.1031	.0025	.0035	9.581	.0015

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2371**	**.0109**	**.0044**	**-.0016**	**45.57**	**-.0005**	**.0099**
Stddev	.0001	.0002	.0002	.0001	.73	.0005	.0006
%RSD	.0283	2.235	4.012	8.023	1.600	103.0	5.713
#1	.2372	.0111	.0046	-.0015	45.06	-.0001	.0095
#2	.2371	.0108	.0043	-.0017	46.09	-.0009	.0103

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**71346.**	**26565.**	**1054.0**	**3415.9**
Stddev	84.	3.	14.2	36.3
%RSD	.11838	.01102	1.3515	1.0633
#1	71286.	26567.	1064.1	3441.6
#2	71405.	26563.	1044.0	3390.2

Zoom In Zoom Out

Sample Name: JB98495-6AF Acquired: 7/15/2015 4:44:28 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0741**	**.0000**	**.0000**	**-.0004**	**.0006**	**-.0010**	**.4757**	**.0052**	**.0001**
Stddev	.0000	.000	.0002	.0000	.0003	.0002	.0006	.0001	.0002
%RSD	.0343	23.53	339.1	10.46	54.41	22.68	.1325	2.529	251.6
#1	.0741	-.0001	-.0001	-.0004	.0008	-.0012	.4762	.0053	-.0001
#2	.0741	.0000	.0002	-.0003	.0004	-.0009	.4753	.0051	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0002**	**.0009**	**.0015**	**.0004**	**-.0008**	**.0014**	**.0011**	**.0570**	**142.2**
Stddev	.0002	.0001	.0001	.0017	.0003	.0040	.0029	.0069	.9
%RSD	110.0	13.29	3.929	466.8	35.89	283.9	254.9	12.18	.6151
#1	.0000	.0010	.0015	-.0009	-.0006	-.0014	-.0009	.0619	141.6
#2	.0003	.0009	.0014	.0016	-.0010	.0042	.0032	.0521	142.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.6956**	**63.79**	**.4902**	**19.56**	**.0908**	**.0011**	**.0039**	**8.481**	**-.0034**
Stddev	.0028	.12	.0237	.12	.0006	.0003	.0008	.035	.0005
%RSD	.3978	.1947	4.826	.6280	.6159	25.07	19.86	.4160	15.06
#1	.6937	63.70	.4735	19.47	.0904	.0009	.0045	8.456	-.0031
#2	.6976	63.88	.5070	19.64	.0912	.0014	.0034	8.506	-.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2186**	**-.0004**	**.0004**	**-.0031**	**41.95**	**-.0007**	**.0087**
Stddev	.0001	.0003	.0006	.0001	.10	.0004	.0003
%RSD	.0315	88.97	152.3	2.957	.2488	53.41	3.724
#1	.2186	-.0001	.0000	-.0031	41.88	-.0005	.0085
#2	.2185	-.0006	.0008	-.0032	42.02	-.0010	.0089

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	71252.	26546.	**1068.9**	**3457.1**
Stddev	108.	83.	3.8	4.7
%RSD	.15188	.31394	.35709	.13514
#1	71328.	26605.	1071.6	3460.4
#2	71175.	26487.	1066.2	3453.8

Zoom In Zoom Out

Sample Name: JB98495-7AF Acquired: 7/15/2015 4:50:34 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0504**	**.0000**	**.0002**	**.0001**	**-.0001**	**-.0002**	**1.508**	**.0059**	**-.0001**
Stddev	.0001	.000	.0001	.0001	.0001	.0002	.001	.0000	.0002
%RSD	.0997	167.5	55.19	61.65	54.47	84.57	.0412	.6452	153.5
#1	.0504	-.0001	.0002	.0002	-.0001	-.0001	1.507	.0060	-.0002
#2	.0504	.0000	.0001	.0001	-.0002	-.0003	1.508	.0059	.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**-.0004**	**.0052**	**-.0004**	**.0001**	**-.0006**	**.0013**	**.0677**	**54.27**
Stddev	.0000	.0002	.0010	.0007	.0009	.0002	.0008	.0086	.17
%RSD	.6779	65.58	18.48	169.4	733.9	36.22	60.57	12.70	.3103
#1	.0006	-.0002	.0058	-.0010	-.0005	-.0004	.0007	.0738	54.39
#2	.0006	-.0005	.0045	.0001	.0007	-.0008	.0018	.0616	54.15

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.1281**	**19.26**	**.8656**	**28.75**	**.1208**	**.0020**	**.0007**	**5.336**	**-.0016**
Stddev	.0022	.06	.0018	.18	.0005	.0001	.0007	.004	.0002
%RSD	1.756	.3348	.2060	.6406	.4539	3.597	96.65	.0704	11.61
#1	.1297	19.30	.8668	28.62	.1204	.0020	.0011	5.334	-.0015
#2	.1265	19.21	.8643	28.88	.1212	.0019	.0002	5.339	-.0018

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1532**	**.0003**	**-.0001**	**-.0008**	**2.013**	**-.0012**	**.0027**
Stddev	.0001	.0005	.0015	.0000	.006	.0009	.0001
%RSD	.0707	163.9	1769.	1.812	.3061	74.19	3.985
#1	.1531	.0000	-.0012	-.0008	2.008	-.0006	.0026
#2	.1533	.0007	.0010	-.0008	2.017	-.0018	.0028

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	73699.	26979.	**1108.0**	**3593.9**
Stddev	53.	8.	1.0	.3
%RSD	.07232	.03074	.09310	.00779
#1	73736.	26984.	1107.3	3593.7
#2	73661.	26973.	1108.7	3594.1

Zoom In Zoom Out

Sample Name: JB98495-9AB Acquired: 7/15/2015 4:56:36 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0000**	**-.0001**	**.0000**	**-.0001**	**-.0011**	**.0001**	**.0010**	**-.0011**
Stddev	.0001	.000	.0001	.0003	.0001	.0000	.0000	.0002	.0002
%RSD	17.45	87.38	257.7	1100.	96.03	3.820	18.52	19.82	21.07
#1	.0005	-.0001	.0000	.0002	-.0002	-.0011	.0001	.0008	-.0012
#2	.0004	.0000	-.0002	-.0002	.0000	-.0012	.0001	.0011	-.0009

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0000**	**.0009**	**.0013**	**-.0002**	**-.0011**	**.0006**	**.0403**	**.0135**
Stddev	.0003	.000	.0012	.0005	.0015	.0008	.0007	.0063	.0005
%RSD	97.37	646.1	139.4	35.38	687.4	77.23	120.3	15.63	3.966
#1	.0006	.0000	.0017	.0010	-.0013	-.0017	.0010	.0358	.0139
#2	.0001	.0000	.0000	.0017	.0008	-.0005	.0001	.0447	.0131

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**-.0004**	**.0364**	**-.0252**	**.0115**	**.0016**	**-.0002**	**.0003**	**.0796**	**.0004**
Stddev	.0006	.0013	.0035	.0015	.0000	.0000	.0010	.0034	.0011
%RSD	155.0	3.704	13.96	12.65	.6535	18.55	361.5	4.249	308.8
#1	-.0008	.0373	-.0277	.0105	.0016	-.0002	.0010	.0772	.0011
#2	.0000	.0354	-.0227	.0125	.0016	-.0003	-.0004	.0820	-.0004

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0004**	**.0001**	**.0000**	**-.0001**	**.0047**	**-.0007**	**-.0009**
Stddev	.0000	.0001	.0002	.0001	.0027	.0002	.0002
%RSD	1.238	81.04	374.0	100.4	56.93	37.40	28.47
#1	.0004	.0001	-.0001	.0000	.0028	-.0005	-.0007
#2	.0004	.0002	.0001	-.0002	.0066	-.0008	-.0010

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**76480.**	**27613.**	**1145.5**	**3817.3**
Stddev	48.	172.	2.9	9.0
%RSD	.06266	.62155	.25216	.23569
#1	76446.	27734.	1147.6	3823.7
#2	76514.	27492.	1143.5	3810.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 5:02:42 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.020**	**1.971**	**2.004**	**2.017**	**1.942**	**1.966**	**2.065**	**.2489**
Stddev	.002	.002	.016	.011	.005	.008	.006	.013	.0002
%RSD	.1064	.1063	.7917	.5438	.2429	.4251	.3021	.6199	.0874
#1	2.017	2.018	1.960	1.996	2.021	1.936	1.970	2.056	.2491
#2	2.020	2.022	1.982	2.012	2.014	1.948	1.961	2.074	.2488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.942**	**2.031**	**1.916**	**1.944**	**2.052**	**1.931**	**1.932**	**39.36**	**39.56**
Stddev	.006	.011	.014	.009	.009	.014	.018	.08	.08
%RSD	.3183	.5392	.7485	.4500	.4652	.7483	.9447	.1994	.2103
#1	1.946	2.023	1.906	1.938	2.045	1.920	1.919	39.30	39.50
#2	1.938	2.038	1.926	1.951	2.059	1.941	1.945	39.41	39.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.04**	**40.54**	**37.03**	**37.71**	**1.986**	**2.004**	**1.929**	**4.754**	**2.026**
Stddev	.03	.03	.19	.12	.018	.016	.003	.034	.018
%RSD	.0683	.0691	.4995	.3287	.8891	.7967	.1575	.7042	.8948
#1	42.02	40.52	36.90	37.62	1.974	1.993	1.927	4.731	2.013
#2	42.06	40.56	37.17	37.80	1.999	2.015	1.932	4.778	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 5:02:42 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.999**	**2.008**	**1.974**	**1.965**	**2.113**	**1.953**	**1.913**
Stddev	.009	.004	.015	.003	.014	.014	.005
%RSD	.4403	.1730	.7468	.1318	.6443	.7163	.2470
#1	2.005	2.010	1.963	1.966	2.103	1.943	1.909
#2	1.993	2.005	1.984	1.963	2.122	1.963	1.916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**73932.**	**26796.**	**1123.3**	**3559.0**
Stddev	254.	65.	8.9	20.5
%RSD	.34335	.24232	.79564	.57700
#1	73753.	26842.	1129.6	3573.5
#2	74112.	26750.	1117.0	3544.4

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 5:08:40 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0000**	**-.0002**	**.0002**	**-.0019**	**.0001**	**.0004**	**-.0013**
Stddev	.0001	.0000	.0000	.0003	.0001	.0001	.0001	.0001	.0002
%RSD	87.77	23.48	79.91	173.9	24.42	3.307	105.4	21.74	15.42
#1	.0002	-.0001	.0001	-.0004	.0003	-.0019	.0000	.0004	-.0012
#2	.0000	-.0001	.0000	.0000	.0002	-.0019	.0002	.0005	-.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**-.0004**	**.0008**	**-.0005**	**-.0017**	**.0002**	**-.0026**	**-.0079**
Stddev	.0003	.000	.0004	.0002	.0006	.0003	.0002	.0060	.0009
%RSD	136.0	3829.	107.3	30.48	106.1	15.17	63.39	231.3	11.50
#1	.0005	.0000	-.0007	.0010	-.0009	-.0019	.0001	-.0069	-.0085
#2	.0000	.0000	-.0001	.0006	-.0001	-.0015	.0003	.0017	-.0073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0017**	**-.0249**	**.0012**	**.0015**	**.0005**	**.0010**	**-.0007**	**.0005**
Stddev	.0002	.0120	.0185	.0008	.0005	.0001	.0006	.0011	.0003
%RSD	39.02	714.5	74.12	67.98	29.66	25.59	63.15	145.0	52.80
#1	-.0004	-.0068	-.0380	.0017	.0019	.0006	.0015	-.0015	.0007
#2	-.0008	.0102	-.0119	.0006	.0012	.0004	.0006	.0000	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 5:08:40 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0003**	**.0008**	**.0001**	**.0034**	**-.0005**	**-.0008**
Stddev	.0000	.0001	.0001	.0000	.0006	.0002	.0001
%RSD	9.882	44.56	14.43	21.00	16.83	29.02	14.87
#1	.0000	-.0003	.0007	.0001	.0038	-.0006	-.0009
#2	.0000	-.0002	.0009	.0001	.0030	-.0004	-.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**76908.**	**27454.**	**1152.0**	**3808.8**
Stddev	501.	67.	1.4	9.4
%RSD	.65080	.24512	.12585	.24578
#1	76554.	27502.	1153.1	3815.4
#2	77261.	27406.	1151.0	3802.2

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 5:14:45 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1977**	**.0019**	**.0030**	**.0516**	**.0107**	**.0094**	**.0159**	**.0113**
Stddev	.0001	.0000	.0001	.0004	.0002	.0002	.0001	.0003
%RSD	.0659	.5928	4.350	.8506	2.226	2.626	.6840	2.650
#1	.1978	.0019	.0029	.0513	.0105	.0096	.0160	.0111
#2	.1976	.0019	.0031	.0519	.0109	.0093	.0158	.0115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0514**	**.0232**	W **.0097**	**.0104**	**.0035**	**.0096**	**.0061**
Stddev	.0005	.0000	.0002	.0005	.0005	.0007	.0007	.0001
%RSD	11.65	.0644	.9662	4.991	4.789	19.58	7.039	1.259
#1	.0041	.0514	.0231	.0093	.0101	.0030	.0101	.0061
#2	.0049	.0514	.0234	.0100	.0108	.0040	.0091	.0060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.0080				
Range				20.00%				

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1994**	**4.779**	**.1012**	**4.751**	**4.279**	**4.463**	**.1009**	**.0204**
Stddev	.0070	.012	.0016	.001	.006	.008	.0003	.0002
%RSD	3.498	.2555	1.559	.0168	.1443	.1788	.2669	.8765
#1	.2044	4.788	.1001	4.750	4.275	4.469	.1007	.0203
#2	.1945	4.770	.1023	4.751	4.284	4.457	.1011	.0205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 5:14:45 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0481**	**.1870**	**.0108**	**.0103**	**.0101**	**.0527**	**.0098**	W **.0603**
Stddev	.0007	.0018	.0013	.0001	.0001	.0009	.0001	.0001
%RSD	1.428	.9690	12.21	.5052	1.288	1.624	1.154	.2268
#1	.0476	.1857	.0099	.0104	.0102	.0521	.0099	.0602
#2	.0486	.1883	.0118	.0103	.0100	.0533	.0097	.0603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value								.0500
Range								20.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0197**	**.0203**
Stddev	.0003	.0001
%RSD	1.700	.2584
#1	.0195	.0202
#2	.0200	.0203
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**75574.**	**27426.**	**1147.2**	**3768.1**
Stddev	239.	165.	3.6	5.2
%RSD	.31653	.60240	.30956	.13834
#1	75743.	27309.	1149.7	3771.8
#2	75405.	27543.	1144.7	3764.4

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 5:20:48 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0039**	**.0009**	**.0012**	**.0029**	**.0022**	F **.0001**	**.0031**	F **.0067**
Stddev	.0002	.0000	.0001	.0005	.0004	.0000	.0001	.0000
%RSD	5.909	3.990	11.47	15.46	15.96	80.05	1.764	.2924
#1	.0041	.0009	.0012	.0026	.0025	.0001	.0030	.0067
#2	.0038	.0009	.0011	.0033	.0020	.0000	.0031	.0068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value						.0020		.0040
Range						-30.00%		30.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0007**	**.0020**	**.0117**	**.0028**	**.0022**	F **.0012**	**.0054**	**.0032**
Stddev	.0002	.0000	.0003	.0004	.0004	.0011	.0013	.0006
%RSD	26.79	1.254	2.837	13.36	17.77	90.26	23.99	18.64
#1	.0008	.0020	.0119	.0031	.0025	.0019	.0063	.0028
#2	.0005	.0020	.0114	.0026	.0019	.0004	.0045	.0037
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value	.0020					.0025		
Range	-30.00%					-30.00%		

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0950**	**.9424**	**-.0009**	**.1005**	**1.677**	**.8708**	**.0099**	**-.0003**
Stddev	.0049	.0056	.0005	.0163	.003	.0138	.0002	.0001
%RSD	5.182	.5979	49.16	16.24	.1511	1.582	1.788	28.50
#1	.0985	.9464	-.0006	.1120	1.679	.8805	.0098	-.0002
#2	.0915	.9384	-.0013	.0890	1.675	.8610	.0101	-.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 5:20:48 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0005**	**.0030**	**.0001**	**.0004**	F **-.0006**	F **.0000**	F **.0017**
Stddev	.0007	.0008	.0004	.0000	.0001	.0009	.0000	.0005
%RSD	699.4	147.3	12.55	17.87	33.19	151.8	114.4	27.47
#1	.0004	.0000	.0028	.0001	.0005	.0000	.0001	.0021
#2	-.0006	.0011	.0033	.0001	.0003	-.0013	.0000	.0014
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0013**	F **-.0005**
Stddev	.0007	.0001
%RSD	52.38	19.79
#1	-.0018	-.0005
#2	-.0008	-.0004
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**76535.**	**27701.**	**1155.3**	**3813.1**
Stddev	150.	154.	1.8	1.9
%RSD	.19614	.55607	.15305	.05014
#1	76641.	27592.	1156.5	3814.4
#2	76429.	27810.	1154.0	3811.7

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 5:26:53 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0001**	**.0000**	**-.0002**	**-.0018**	**.0000**	**.0027**	**-.0011**
Stddev	.0001	.0000	.0002	.000	.0003	.0002	.0000	.0003	.0001
%RSD	82.39	41.01	191.0	747.8	140.9	13.45	245.3	9.400	8.284
#1	.0000	-.0001	.0000	-.0002	.0000	-.0019	.0000	.0025	-.0012
#2	.0001	-.0001	-.0002	.0002	-.0004	-.0016	.0000	.0029	-.0011
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0003**	**.0207**	**.0001**	**.0195**	**.0211**	**.0230**	**.4842**	**1.993**
Stddev	.0003	.0003	.0006	.0026	.0006	.0018	.0012	.0104	.015
%RSD	121.5	96.20	2.900	2502.	3.291	8.556	5.012	2.156	.7312
#1	.0004	.0006	.0203	-.0017	.0191	.0198	.0238	.4916	1.983
#2	.0000	.0001	.0211	.0020	.0200	.0223	.0222	.4768	2.003
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5124**	**1.984**	**-.0293**	**.0037**	**-.0002**	**-.0003**	**.0002**	**-.0016**	**.0009**
Stddev	.0020	.022	.0236	.0067	.0004	.0004	.0004	.0003	.0010
%RSD	.3821	1.098	80.45	179.3	228.6	113.9	215.1	20.80	110.1
#1	.5138	1.968	-.0126	-.0010	.0001	-.0001	-.0001	-.0018	.0002
#2	.5110	1.999	-.0459	.0085	-.0004	-.0006	.0005	-.0013	.0015
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 5:26:53 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0000**	**-.0001**	**-.0002**	**.0007**	**-.0004**	**-.0006**
Stddev	.0000	.000	.0009	.0001	.0024	.0003	.0005
%RSD	82.69	934.6	660.7	64.48	332.5	76.56	82.86
#1	-.0001	.0003	-.0008	-.0001	-.0010	-.0006	-.0010
#2	.0000	-.0004	.0005	-.0002	.0024	-.0002	-.0002
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**76417.**	**27531.**	**1153.8**	**3817.6**
Stddev	68.	66.	2.2	4.3
%RSD	.08855	.23917	.19224	.11197
#1	76369.	27578.	1155.4	3820.7
#2	76465.	27485.	1152.2	3814.6

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 5:32:59 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**-.0006**	**-.0004**	**.0014**	**.0025**	**.0024**	**.0018**	**.0030**
Stddev	.0001	.000	.0001	.0003	.0002	.0004	.0002	.0004	.0000
%RSD	34.33	22340.	9.930	64.24	16.09	16.75	9.695	21.88	.9168
#1	.0003	.0000	-.0006	-.0006	.0015	.0028	.0025	.0015	.0030
#2	.0002	.0000	-.0005	-.0002	.0012	.0022	.0022	.0021	.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0120**	**.0000**	**.0010**	**.0011**	**-.0015**	**-.0040**	**.0000**	**536.1**	**405.3**
Stddev	.0003	.0004	.0002	.0000	.0008	.0025	.0022	1.6	1.1
%RSD	2.112	1601.	23.49	2.071	55.39	62.67	13850.	.3017	.2725
#1	.0118	-.0003	.0008	.0011	-.0009	-.0022	-.0015	534.9	404.5
#2	.0121	.0003	.0012	.0010	-.0020	-.0057	.0015	537.2	406.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**200.5**	**579.9**	**-.1544**	**.0044**	**-.0026**	**-.0086**	**.0051**	**-.0470**	**-.0085**
Stddev	.8	.5	.0273	.0031	.0007	.0001	.0002	.0004	.0011
%RSD	.3913	.0843	17.67	70.56	25.42	1.293	4.880	.7591	12.62
#1	201.0	579.6	-.1352	.0022	-.0021	-.0087	.0049	-.0467	-.0092
#2	199.9	580.3	-.1737	.0066	-.0031	-.0085	.0053	-.0472	-.0077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 5:32:59 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0092**	**-.0007**	**-.0027**	**-.0064**	**-.0921**	**-.0012**	**.0110**
Stddev	.0000	.0003	.0027	.0004	.0040	.0008	.0003
%RSD	.4170	42.78	98.01	6.239	4.356	65.33	2.678
#1	.0093	-.0005	-.0008	-.0061	-.0949	-.0006	.0112
#2	.0092	-.0009	-.0046	-.0067	-.0892	-.0018	.0108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**67671.**	**24733.**	**1040.3**	**3136.5**
Stddev	164.	9.	3.0	4.2
%RSD	.24250	.03729	.28662	.13326
#1	67555.	24727.	1042.5	3139.4
#2	67787.	24740.	1038.2	3133.5

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/15/2015 5:39:18 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5373**	**.5330**	**1.051**	**.5150**	**.5040**	**.5195**	**.4924**	**1.030**	**1.115**
Stddev	.0011	.0007	.001	.0015	.0007	.0009	.0025	.002	.002
%RSD	.2076	.1386	.0593	.2954	.1399	.1661	.4978	.1646	.1899
#1	.5365	.5325	1.051	.5140	.5035	.5202	.4907	1.029	1.114
#2	.5381	.5336	1.050	.5161	.5045	.5189	.4942	1.031	1.117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4978**	**.9949**	**.9828**	**.9017**	**.9885**	**.9956**	**1.041**	**520.2**	**406.7**
Stddev	.0015	.0025	.0004	.0033	.0011	.0045	.001	5.9	2.5
%RSD	.3097	.2471	.0400	.3702	.1083	.4562	.0811	1.129	.6180
#1	.4967	.9932	.9825	.9041	.9892	.9988	1.042	524.4	408.4
#2	.4988	.9967	.9831	.8994	.9877	.9924	1.041	516.1	404.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**210.1**	**579.2**	**-.1251**	**.0129**	**-.0027**	**.4718**	**.5451**	**-.0545**	**-.0057**
Stddev	.2	.2	.0216	.0016	.0002	.0003	.0011	.0017	.0015
%RSD	.1133	.0347	17.25	12.02	8.070	.0573	.1931	3.207	26.10
#1	210.2	579.4	-.1404	.0118	-.0028	.4716	.5443	-.0557	-.0067
#2	209.9	579.1	-.1099	.0140	-.0025	.4720	.5458	-.0533	-.0046
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/15/2015 5:39:18 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0091**	**-.0006**	**.5013**	**.4526**	**.4740**	**.4977**	**.5246**
Stddev	.0001	.0004	.0009	.0028	.0021	.0010	.0029
%RSD	.7600	72.88	.1846	.6123	.4474	.2086	.5547
#1	.0090	-.0009	.5006	.4507	.4755	.4970	.5225
#2	.0091	-.0003	.5019	.4546	.4726	.4985	.5266
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**68598.**	**25118.**	**1042.8**	**3163.7**
Stddev	125.	28.	.2	3.4
%RSD	.18294	.11285	.02306	.10824
#1	68686.	25098.	1042.9	3166.1
#2	68509.	25138.	1042.6	3161.3

Zoom In Zoom Out

Sample Name: siconf Acquired: 7/15/2015 5:45:28 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**-.0001**	**.0001**	**-.0005**	**-.0002**	**-.0017**	**-.0002**	**.0029**	**.0004**
Stddev	.0000	.0001	.0001	.0004	.0000	.0003	.0001	.0003	.0003
%RSD	14.19	80.39	81.69	71.13	16.02	19.14	28.96	9.758	92.60
#1	.0003	-.0001	.0002	-.0008	-.0003	-.0019	-.0002	.0032	.0001
#2	.0002	.0000	.0001	-.0003	-.0002	-.0014	-.0002	.0027	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0047**	**.0009**	**-.0015**	**.0001**	**-.0013**	**.0009**	**.0626**	**.0395**
Stddev	.0001	.0003	.0005	.0022	.0013	.0001	.0008	.0025	.0001
%RSD	31.45	7.335	61.39	147.5	2290.	9.145	98.36	4.016	.3692
#1	.0003	.0050	.0012	.0001	-.0008	-.0012	.0014	.0609	.0396
#2	.0004	.0045	.0005	-.0031	.0010	-.0013	.0003	.0644	.0394

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0291**	**.0474**	**.0062**	**.0050**	**.0014**	**.0000**	**.0007**	**9.294**	**-.0013**
Stddev	.0006	.0171	.0148	.0034	.0000	.000	.0003	.018	.0001
%RSD	2.009	36.17	239.9	68.06	1.775	539.6	39.25	.1986	4.736
#1	.0295	.0353	-.0043	.0026	.0014	-.0001	.0009	9.281	-.0014
#2	.0286	.0595	.0166	.0075	.0015	.0001	.0005	9.307	-.0013

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0003**	**.0015**	**.0048**	**.0048**	**-.0010**	**-.0004**
Stddev	.0000	.0001	.0001	.0010	.0009	.0010	.0002
%RSD	230.5	39.36	5.669	21.26	19.46	97.05	56.61
#1	.0000	.0002	.0014	.0055	.0042	-.0017	-.0002
#2	.0000	.0003	.0016	.0041	.0055	-.0003	-.0005

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77458.**	**28011.**	**1174.5**	**3868.8**
Stddev	51.	106.	2.5	9.2
%RSD	.06627	.37670	.21612	.23717
#1	77494.	27936.	1176.3	3875.3
#2	77422.	28086.	1172.7	3862.4

Zoom In Zoom Out

Sample Name: ticonf Acquired: 7/15/2015 5:51:33 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0004**	**.0002**	**.0015**	**-.0003**	**-.0004**	**.0002**	**.0038**	**.0020**
Stddev	.0000	.0000	.0001	.0002	.0008	.0000	.0001	.0003	.0001
%RSD	13.91	5.894	68.69	12.62	253.1	9.758	46.52	9.076	5.834
#1	.0002	.0004	.0003	.0017	-.0009	-.0004	.0001	.0036	.0020
#2	.0002	.0004	.0001	.0014	.0002	-.0004	.0002	.0041	.0021

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0012**	**-.0007**	**.0012**	**-.0008**	**-.0002**	**.0006**	**-.0004**	**.0185**	**.0110**
Stddev	.0000	.0002	.0016	.0030	.0002	.0016	.0001	.0029	.0011
%RSD	2.591	31.84	136.1	385.7	104.7	272.6	29.96	15.66	10.20
#1	-.0012	-.0008	.0000	.0013	-.0001	-.0006	-.0005	.0164	.0118
#2	-.0013	-.0005	.0023	-.0029	-.0004	.0018	-.0003	.0205	.0102

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0135**	**-.0063**	**-.0060**	**-.0031**	**.0009**	**.0000**	**.0093**	**.0128**	**.0429**
Stddev	.0020	.0082	.0210	.0007	.0007	.0002	.0005	.0019	.0004
%RSD	14.78	130.5	349.6	22.55	79.96	403.5	5.817	14.47	.9781
#1	.0149	-.0121	-.0208	-.0036	.0014	.0002	.0089	.0141	.0426
#2	.0121	-.0005	.0088	-.0026	.0004	-.0001	.0096	.0115	.0432

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**10.06**	**.0001**	**.0000**	**.0026**	**.0884**	**-.0006**
Stddev	.000	.00	.0002	.000	.0030	.0005	.0001
%RSD	93.59	.0189	193.0	188.1	115.1	.5178	14.18
#1	.0000	10.06	.0002	.0000	.0047	.0887	-.0005
#2	.0000	10.06	.0000	.0000	.0005	.0881	-.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77216.**	**27796.**	**1167.4**	**3859.2**
Stddev	166.	146.	.7	8.3
%RSD	.21489	.52543	.05779	.21438
#1	77334.	27692.	1167.0	3865.1
#2	77099.	27899.	1167.9	3853.4

Zoom In Zoom Out

Sample Name: moconf Acquired: 7/15/2015 5:57:38 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**-.0002**	**.0002**	**.0005**	**.0042**	**-.0003**	**.0070**	**.0000**	**.0024**
Stddev	.0000	.0000	.0001	.0001	.0004	.0001	.000	.0001
%RSD	3.652	8.117	29.96	3.404	137.6	1.081	144.5	4.173
#1	-.0002	.0002	.0004	.0041	-.0006	.0070	.0000	.0025
#2	-.0002	.0002	.0006	.0043	.0000	.0069	-.0001	.0023

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**-.0004**	**-.0004**	**.0006**	**-.0006**	F **-.0034**	**.0006**	**.0004**	**.0042**
Stddev	.0002	.0003	.0003	.0005	.0006	.0009	.0017	.0002
%RSD	62.19	78.95	41.24	75.48	16.93	153.4	406.7	5.562
#1	-.0002	-.0006	.0008	-.0009	-.0030	.0012	-.0008	.0044
#2	-.0006	-.0002	.0005	-.0003	-.0038	.0000	.0016	.0040

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0016**	**.0170**	**.0022**	**-.0523**	**-.0210**	**.0172**	**.0245**	**10.15**
Stddev	.0033	.0003	.0016	.0124	.0137	.0032	.0004	.03
%RSD	206.9	1.767	73.74	23.74	65.25	18.56	1.504	.3131
#1	.0040	.0168	.0010	-.0435	-.0307	.0194	.0242	10.12
#2	-.0007	.0172	.0033	-.0611	-.0113	.0149	.0247	10.17

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0025**	**.0464**	**.0000**	**.0000**	**.0063**	**-.0062**	**.0045**	**-.0142**
Stddev	.0005	.0001	.0001	.0000	.0002	.0007	.0001	.0020
%RSD	19.80	.1799	166.1	5.522	2.654	11.24	1.942	14.02
#1	.0022	.0463	.0001	.0000	.0062	-.0057	.0044	-.0156
#2	.0029	.0464	.0000	.0000	.0064	-.0067	.0045	-.0128

Elem	Bi2230	Li6707
Avg	**-.0012**	**-.0003**
Stddev	.0008	.0001
%RSD	69.04	53.92
#1	-.0006	-.0002
#2	-.0017	-.0003

Zoom In Zoom Out

Sample Name: moconf Acquired: 7/15/2015 5:57:38 Type: Unk
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**77038.**	**27899.**	**1167.5**	**3868.6**
Stddev	304.	129.	3.8	5.5
%RSD	.39505	.46397	.32298	.14223
#1	77254.	27807.	1170.2	3872.5
#2	76823.	27990.	1164.8	3864.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 6:03:42 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.010**	**1.974**	**2.018**	**2.024**	**1.930**	**1.977**	**2.079**	**.2479**
Stddev	.004	.003	.006	.002	.011	.000	.007	.001	.0003
%RSD	.2138	.1361	.3134	.1072	.5213	.0211	.3551	.0222	.1389
#1	2.001	2.012	1.970	2.016	2.032	1.930	1.982	2.079	.2477
#2	2.007	2.008	1.978	2.019	2.017	1.930	1.972	2.080	.2482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.949**	**2.045**	**1.919**	**1.965**	**2.060**	**1.929**	**1.932**	**38.93**	**39.58**
Stddev	.003	.005	.005	.002	.001	.003	.008	.07	.11
%RSD	.1494	.2584	.2424	.1177	.0280	.1391	.4341	.1840	.2661
#1	1.951	2.042	1.916	1.963	2.061	1.927	1.926	38.88	39.65
#2	1.947	2.049	1.922	1.967	2.060	1.931	1.938	38.98	39.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.75**	**40.23**	**36.65**	**37.22**	**1.981**	**2.007**	**1.919**	**4.752**	**2.030**
Stddev	.03	.05	.16	.20	.004	.005	.005	.011	.006
%RSD	.0773	.1204	.4447	.5509	.2252	.2679	.2487	.2243	.2845
#1	41.73	40.26	36.54	37.07	1.978	2.004	1.923	4.744	2.026
#2	41.78	40.20	36.77	37.36	1.984	2.011	1.916	4.759	2.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 6:03:42 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.993**	**2.006**	**1.983**	**1.961**	**2.101**	**1.951**	**1.877**
Stddev	.011	.007	.006	.001	.009	.005	.013
%RSD	.5367	.3756	.3188	.0732	.4453	.2453	.6711
#1	2.001	2.011	1.978	1.962	2.094	1.948	1.868
#2	1.986	2.001	1.987	1.960	2.108	1.955	1.886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**74447.**	**27100.**	**1132.1**	**3578.9**
Stddev	212.	10.	2.7	4.0
%RSD	.28480	.03676	.23937	.11059
#1	74297.	27107.	1134.0	3581.7
#2	74597.	27093.	1130.1	3576.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 6:09:38 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**-.0001**	**-.0002**	**-.0001**	**-.0016**	**.0001**	**.0026**	**-.0012**
Stddev	.0000	.0000	.0002	.0002	.0005	.0002	.0000	.0000	.0001
%RSD	16.33	65.05	225.2	90.83	867.5	12.94	30.81	1.425	5.991
#1	.0001	-.0001	-.0002	-.0001	-.0004	-.0017	.0001	.0026	-.0011
#2	.0001	.0000	.0000	-.0004	.0003	-.0014	.0001	.0026	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0004**	**.0017**	**-.0008**	**-.0001**	**.0008**	**-.0016**	**-.0044**
Stddev	.0001	.000	.0008	.0002	.0000	.0023	.0001	.0033	.0004
%RSD	41.48	79.18	213.6	14.84	5.626	2501.	18.47	205.3	8.112
#1	.0002	.0000	.0009	.0019	-.0008	.0015	.0007	-.0039	-.0041
#2	.0001	.0000	-.0002	.0015	-.0008	-.0017	.0009	.0007	-.0046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**.0158**	**-.0317**	**.0000**	**-.0001**	**.0011**	**.0004**	**-.0008**	**.0009**
Stddev	.0004	.0233	.0070	.0010	.0002	.0003	.0003	.0001	.0005
%RSD	92.76	147.7	21.99	2304.	242.2	27.89	76.31	15.62	49.45
#1	.0002	.0323	-.0268	-.0007	.0000	.0014	.0002	-.0007	.0013
#2	.0007	-.0007	-.0367	.0008	-.0002	.0009	.0006	-.0009	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In
Zoom Out

Sample Name: ccb Acquired: 7/15/2015 6:09:38 Type: QC
Method: Accutest1(v195) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0003**	**.0010**	**.0000**	**.0039**	**-.0002**	**-.0010**
Stddev	.0000	.0003	.0002	.0000	.0004	.0005	.0008
%RSD	144.4	119.9	19.55	171.0	10.82	294.2	77.64
#1	.0000	.0000	.0008	.0000	.0041	-.0005	-.0015
#2	.0000	.0005	.0011	.0000	.0036	.0002	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**77434.**	**27834.**	**1169.4**	**3865.5**
Stddev	201.	75.	.3	4.0
%RSD	.25894	.26991	.02527	.10419
#1	77576.	27887.	1169.6	3868.4
#2	77292.	27781.	1169.2	3862.7

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
				Al	0.000000	0.000000	No
				Zr	0.001080	0.000000	No
	Be 313.042 {108}	☒	13	V	0.002530	0.000000	No
				Mo	-0.000039	0.000000	No
				Ti	-0.000080	0.000000	No
				Mn	-0.000027	0.000000	No
				Ba	0.000015	0.000000	No
				Co	-0.000020	0.000000	No
				Ni	0.000004	0.000000	No
				Ca	0.000000	0.000000	No
				Cu	0.000034	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	0.000000	0.000000	No
				Cd	0.000050	0.000000	No
				W	0.000000	0.000000	No
	Cd 228.802 {448}	☒	12	As	0.004330	0.000000	No
				Fe	-0.000008	0.000000	No
				V	0.000050	0.000000	No
				Ba	-0.000047	0.000000	No
				Co	-0.000990	0.000000	No
				Sr	0.000100	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	-0.000021	0.000000	No
				Cr	0.000025	0.000000	No
				Si	-0.000005	0.000000	No
				Cu	-0.000026	0.000000	No
				Ni	-0.000250	0.000000	No
	Co 228.616 {448}	☒	10	Fe	0.000006	0.000000	No
				Cr	-0.000100	0.000000	No
				Mo	-0.000800	0.000000	No
				Ni	0.000256	0.000000	No
				Ti	0.001639	0.000000	No
				Ba	0.000062	0.000000	No
				W	0.000000	0.000000	No
				Cd	-0.000060	0.000000	No
				Si	0.000000	0.000000	No
				Ca	0.000000	0.000000	No
	Cr 267.716 {126}	☒	15	Mn	0.000102	0.000000	No
				V	-0.000120	0.000000	No
				Mo	0.000018	0.000000	No
				Fe	-0.000004	0.000000	No
				Cd	-0.000050	0.000000	No
				Al	0.000001	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	0.000000	0.000000	No
				Ti	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
				Ba	-0.000005	0.000000	No
				Cu	-0.000100	0.000000	No
				Sr	0.000000	0.000000	No
				W	0.004000	0.000000	No
				Zr	0.000280	0.000000	No
	Cu 324.754 {104}2	☒	22	Cr	0.000016	0.000000	No
				V	-0.000283	0.000000	No
				Mo	-0.000394	0.000000	No
				Ti	-0.000100	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Fe	-0.000070	0.000000	No
				Al	-0.000002	0.000000	No
				Sn	-0.000026	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000917	0.000000	No
				Zr	0.000000	0.000000	No
				Si	0.000009	0.000000	No
				Mn	-0.000380	0.000000	No
				Se	0.000050	0.000000	No
				Ba	0.000010	0.000000	No
				Ag	-0.000002	0.000000	No
				Pb	0.000060	0.000000	No
				Sb	0.000000	0.000000	No
				Mg	0.000010	0.000000	No
				Ca	-0.000001	0.000000	No
				Bi	0.000000	0.000000	No
				W	-0.030000	0.000000	No
				K	0.000000	0.000000	No
	Mn 257.610 {131}	☒	8	Fe	-0.000185	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000010	0.000000	No
				As	0.000001	0.000000	No
				Ca	0.000000	0.000000	No
				Mg	-0.000004	0.000000	No
				Al	-0.000001	0.000000	No
				Cr	-0.000100	0.000000	No
	Ni 231.604 {446}	☒	19	Fe	0.000002	0.000000	No
				Zn	0.000079	0.000000	No
				Be	0.000213	0.000000	No
				Co	0.000080	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000001	0.000000	No
				Mo	0.000085	0.000000	No
				V	0.000011	0.000000	No
				Cu	0.000050	0.000000	No
				Se	0.000100	0.000000	No
				Al	0.000003	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	-0.000002	0.000000	No
				Ti	-0.000040	0.000000	No
				Mn	-0.000080	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	☒	14	Mn	0.000057	0.000000	No
				Mo	-0.000098	0.000000	No
				Ti	-0.000740	0.000000	No
				Fe	-0.000320	0.000000	No
				V	-0.001140	0.000000	No
				Zn	-0.000143	0.000000	No
				Ca	-0.000002	0.000000	No
				Sr	-0.000024	0.000000	No
				Mg	-0.000002	0.000000	No
				Zr	0.008000	0.000000	No
				Si	-0.000121	0.000000	No
				Ba	0.000006	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				K	0.000000	0.000000	No
				Al	-0.000004	0.000000	No
	V 292.402 {115}	☒	7	Ti	0.000700	0.000000	No
				Mo	-0.007800	0.000000	No
				Fe	0.000041	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.001700	0.000000	No
				Mn	-0.000700	0.000000	No
				Zr	0.000170	0.000000	No
	Zn 206.200 {464}	☒	20	Cr	-0.001125	0.000000	No
				Mo	-0.000340	0.000000	No
				Fe	-0.000008	0.000000	No
				Si	0.000065	0.000000	No
				Mn	0.000350	0.000000	No
				Ba	-0.000060	0.000000	No
				Na	0.000003	0.000000	No
				Ca	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				Sn	0.000255	0.000000	No
				Cu	-0.000774	0.000000	No
				As	0.000500	0.000000	No
				Be	0.000364	0.000000	No
				Pd	0.000280	0.000000	No
				Ti	-0.000080	0.000000	No
				Al	-0.000005	0.000000	No
				Zr	0.000000	0.000000	No
				Bi	-0.003364	0.000000	No
				W	0.000000	0.000000	No
				K	0.000000	0.000000	No
	As 189.042 {478}	☒	23	Al	0.000005	0.000000	No
				Fe	-0.000008	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000060	0.000000	No
				Mo	0.000650	0.000000	No
				Cr	0.000790	0.000000	No
				V	0.000120	0.000000	No
				Co	-0.000695	0.000000	No
				Ba	-0.000110	0.000000	No
				Sn	-0.000037	0.000000	No
				Cd	-0.000228	0.000000	No
				Tl	0.000030	0.000000	No
				Be	-0.000007	0.000000	No
				Mg	-0.000002	0.000000	No
				Si	-0.000045	0.000000	No
				Zn	0.000115	0.000000	No
				Sr	0.000100	0.000000	No
				Pd	0.026000	0.000000	No
				Zr	0.000091	0.000000	No
				Ti	-0.000070	0.000000	No
				W	-0.010000	0.000000	No
				S	-0.000010	0.000000	No
				K	0.000000	0.000000	No
	Tl 190.856 {477}	☒	29	Cr	0.000360	0.000000	No
				Mo	-0.010026	0.000000	No
				Al	-0.000005	0.000000	No
				Fe	-0.000149	0.000000	No
				V	-0.009400	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mn	0.001233	0.000000	No
				Ca	-0.000003	0.000000	No
				Ti	-0.004600	0.000000	No
				Mg	-0.000001	0.000000	No
				Co	0.005000	0.000000	No
				Sr	-0.001090	0.000000	No
				B	-0.000649	0.000000	No
				Ba	-0.000250	0.000000	No
				Zn	-0.000215	0.000000	No
				As	-0.000020	0.000000	No
				W	-0.020000	0.000000	No
				Ni	-0.000077	0.000000	No
				Cu	0.000154	0.000000	No
				Zr	-0.042000	0.000000	No
				Pd	-0.000115	0.000000	No
				Pb	0.000000	0.000000	No
				S	-0.000015	0.000000	No
				Ag	0.000250	0.000000	No
				Be	0.000000	0.000000	No
				Sn	0.000073	0.000000	No
				K	0.000070	0.000000	No
				Cd	-0.000240	0.000000	No
				Si	0.000061	0.000000	No
				Na	0.000000	0.000000	No
	Pb 220.353 {453}	☒	24	Al	-0.000098	0.000000	No
				Fe	0.000055	0.000000	No
				Ca	-0.000002	0.000000	No
				Mn	0.000113	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.000500	0.000000	No
				Cu	0.000230	0.000000	No
				V	-0.000132	0.000000	No
				Co	0.000073	0.000000	No
				Ti	-0.000100	0.000000	No
				Si	0.000008	0.000000	No
				Ba	-0.000010	0.000000	No
				Sb	0.000150	0.000000	No
				K	0.000000	0.000000	No
				Sr	-0.000060	0.000000	No
				W	0.000000	0.000000	No
				Mg	0.000000	0.000000	No
				Cd	-0.000018	0.000000	No
				Pd	0.000260	0.000000	No
				Zr	-0.041002	0.000000	No
				Ni	0.000390	0.000000	No
				S	0.000010	0.000000	No
				Bi	0.000000	0.000000	No
				Cr	-0.000200	0.000000	No
	Se 196.090 {472}	☒	22	Al	-0.000019	0.000000	No
				Ca	-0.000000	0.000000	No
				Mn	0.000623	0.000000	No
				Mo	0.000181	0.000000	No
				Fe	-0.000185	0.000000	No
				Co	-0.000330	0.000000	No
				V	-0.000130	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000002	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				W	0.020000	0.000000	No
				Si	0.000011	0.000000	No
				Tl	0.000204	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000300	0.000000	No
				B	0.000045	0.000000	No
				Pd	-0.000717	0.000000	No
				Ti	-0.000017	0.000000	No
				Cd	0.000090	0.000000	No
				Zr	-0.000100	0.000000	No
				Ba	-0.000110	0.000000	No
				Mg	-0.000004	0.000000	No
				S	-0.000010	0.000000	No
	Sb 206.833 {463}	☒	16	Fe	-0.000005	0.000000	No
				Al	-0.000009	0.000000	No
				Ca	-0.000009	0.000000	No
				Ni	-0.000289	0.000000	No
				Cr	0.008800	0.000000	No
				V	-0.002200	0.000000	No
				Zn	0.000000	0.000000	No
				Mo	0.000370	0.000000	No
				Ti	0.000200	0.000000	No
				Sn	-0.011970	0.000000	No
				W	0.006000	0.000000	No
				Mg	0.000000	0.000000	No
				Zr	0.006950	0.000000	No
				Sr	0.000031	0.000000	No
				Mn	-0.000150	0.000000	No
				S	-0.000015	0.000000	No
	Al 396.152 { 85}	☒	4	Si	0.000350	0.000000	No
				Ca	0.000390	0.000000	No
				Mo	0.031000	0.000000	No
				Zr	-0.008158	0.000000	No
	Ca 317.933 {106}	☒	18	Fe	0.000120	0.000000	No
				Ti	0.000000	0.000000	No
				W	0.003960	0.000000	No
				Tl	0.004955	0.000000	No
				Be	0.001840	0.000000	No
				Ba	-0.001500	0.000000	No
				Cu	0.004200	0.000000	No
				Cd	0.003700	0.000000	No
				Ni	0.001859	0.000000	No
				Pd	0.004700	0.000000	No
				Mn	0.000000	0.000000	No
				B	-0.000210	0.000000	No
				Se	0.001000	0.000000	No
				Co	-0.000920	0.000000	No
				Cr	0.004000	0.000000	No
				Al	0.000026	0.000000	No
				As	0.010000	0.000000	No
				Pb	0.002000	0.000000	No
	Fe 259.940 {130}	☒	13	Co	0.000200	0.000000	No
				Si	-0.001181	0.000000	No
				Tl	-0.002562	0.000000	No
				Se	0.000000	0.000000	No
				Cr	-0.000360	0.000000	No
				Mn	-0.002000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			V	-0.000064	0.000000	No
			Cu	0.000085	0.000000	No
			K	-0.000200	0.000000	No
			Zn	0.000080	0.000000	No
			Ti	-0.000631	0.000000	No
			Ca	0.000020	0.000000	No
			Ba	0.001000	0.000000	No
Mg 279.079 {121}	☒	3	Mo	-0.016250	0.000000	No
			W	0.000000	0.000000	No
			Mn	-0.005360	0.000000	No
K 766.490 { 44}	☒	12	Fe	-0.000715	0.000000	No
			Al	0.000032	0.000000	No
			Ca	-0.000012	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002360	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Ba	-0.002700	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	-0.000500	0.000000	No
Na 589.592 { 57}	☒	6	K	-0.000560	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	-0.000034	0.000000	No
			Al	0.000040	0.000000	No
			V	0.000000	0.000000	No
			Cr	0.000000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.027950	0.000000	No
Mo 202.030 {467}	☒	6	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	0.000576	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.000684	0.000000	No
			V	-0.000048	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000019	0.000000	No
			Mo	-0.000320	0.000000	No
			Zr	-0.000200	0.000000	No
			Co	-0.005883	0.000000	No
			Ca	-0.000021	0.000000	No
			S	-0.000017	0.000000	No
			Si	-0.000040	0.000000	No
Si 212.412 {459}	☒	19	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.022930	0.000000	No
			V	-0.000190	0.000000	No
			Ti	0.012350	0.000000	No
			Al	0.000049	0.000000	No
			Cd	0.008630	0.000000	No
			Ba	0.000000	0.000000	No
			Fe	0.000004	0.000000	No
			Sn	0.007000	0.000000	No
			Zn	0.000385	0.000000	No
			As	0.002500	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mg	-0.000065	0.000000	No
			W	-0.007198	0.000000	No
			Ca	0.000078	0.000000	No
			Cr	0.000000	0.000000	No
			Mn	0.001000	0.000000	No
			Zr	0.000540	0.000000	No
			B	0.001900	0.000000	No
Sn 189.989 {478}	☒	6	Ti	-0.006033	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000001	0.000000	No
			Si	0.000131	0.000000	No
			Al	-0.000004	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	0.000000	0.000000	No
			Ca	0.000047	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000204	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	27	Al	0.000005	0.000000	No
			Si	-0.000117	0.000000	No
			Ca	-0.000004	0.000000	No
			Fe	-0.000014	0.000000	No
			As	-0.000220	0.000000	No
			Mg	-0.000005	0.000000	No
			Mn	-0.000070	0.000000	No
			Mo	0.000710	0.000000	No
			Ti	0.000000	0.000000	No
			Sr	0.000000	0.000000	No
			V	0.001000	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000001	0.000000	No
			Zn	0.009921	0.000000	No
			Pd	0.000000	0.000000	No
			Sn	-0.000500	0.000000	No
			Zr	-0.001000	0.000000	No
			B	0.000000	0.000000	No
			Sb	0.000000	0.000000	No
			Co	-0.002830	0.000000	No
			Ni	0.000000	0.000000	No
			Be	-0.001000	0.000000	No
			Se	0.000000	0.000000	No
			Cu	-0.002860	0.000000	No
			Ba	0.000000	0.000000	No
			Tl	0.000000	0.000000	No
			Pb	0.000000	0.000000	No
Zr 339.198 { 99}	☒	10	Mo	0.000250	0.000000	No
			Ti	0.000000	0.000000	No
			Fe	-0.000050	0.000000	No
			Si	0.000202	0.000000	No
			S	0.000039	0.000000	No
			Pd	0.000000	0.000000	No
			Be	-0.000500	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Bi	0.000000	0.000000	No
				Ba	-0.000005	0.000000	No
				Ag	0.000000	0.000000	No
	S 182.034 {485}	☒	6	Ca	0.000260	0.000000	No
				Mo	0.002400	0.000000	No
				Al	0.000070	0.000000	No
				Fe	0.000023	0.000000	No
				Mn	0.003160	0.000000	No
				Mg	0.000004	0.000000	No
	Bi 223.061 {451}	☒	4	Fe	0.000035	0.000000	No
				Ti	-0.009400	0.000000	No
				V	-0.000680	0.000000	No
				Cr	0.001100	0.000000	No
	Li 670.784 { 50}	☒	1	Mg	0.000006	0.000000	No

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
Ba 455.403 { 74}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.003103	2.057447	0.000000	1.000000
Be 313.042 {108}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000309	1.813164	0.000000	1.000000
Cd 228.802 {448}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000620	1.223715	0.000000	1.000000
Co 228.616 {448}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000115	0.359156	0.000000	1.000000
Cr 267.716 {126}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000012	0.061775	0.000000	1.000000
Cu 324.754 {104}2	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.005094	0.306759	0.000000	1.000000
Mn 257.610 {131}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000050	0.472934	0.000000	1.000000
Ni 231.604 {446}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000097	0.303267	0.000000	1.000000
Ag 328.068 {103}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000285	0.125495	0.000000	1.000000
V 292.402 {115}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000049	0.121162	0.000000	1.000000
Zn 206.200 {464}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000495	0.575463	0.000000	1.000000
As 189.042 {478}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000372	0.158035	0.000000	1.000000
Tl 190.856 {477}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000270	0.031989	0.000000	1.000000
Pb 220.353 {453}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000053	0.123215	0.000000	1.000000
Se 196.090 {472}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000109	0.094959	0.000000	1.000000
Sb 206.833 {463}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000333	0.222309	0.000000	1.000000
Al 396.152 { 85}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000005	0.031679	0.000000	1.000000
Ca 317.933 {106}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.001690	0.044928	0.000000	1.000000
Fe 259.940 {130}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000095	0.034313	0.000000	1.000000
Mg 279.079 {121}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000104	0.003931	0.000000	1.000000
K 766.490 { 44}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.003137	0.015991	0.000000	1.000000
Na 589.592 { 57}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000307	0.084758	0.000000	1.000000
B 208.959 {462}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000965	0.267531	0.000000	1.000000
Mo 202.030 {467}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000164	0.842642	0.000000	1.000000
Pd 340.458 { 99}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000198	0.068834	0.000000	1.000000
Si 212.412 {459}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.009416	0.325539	0.000000	1.000000
Sn 189.989 {478}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000063	0.128612	0.000000	1.000000
Sr 407.771 { 83}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000021	3.752403	0.000000	1.000000
Ti 334.904 {101}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000198	0.156569	0.000000	1.000000
Y 360.073 { 94}*	7/15/2015 9:08:22	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 371.030 { 91}*	7/15/2015 9:08:22	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
Y 224.306 {451}*	7/15/2015 9:08:22	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
In 230.606 {446}*	7/15/2015 9:08:22	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
W 207.911 {462}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000368	0.452801	0.000000	1.000000
Zr 339.198 { 99}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.000094	0.320632	0.000000	1.000000
S 182.034 {485}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.000221	0.055408	0.000000	1.000000
Bi 223.061 {451}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	-0.003106	0.426793	0.000000	1.000000
Li 670.784 { 50}	7/15/2015 9:08:22	7/14/2015 12:46:17	Linear	1/Conc	0.002018	0.558185	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ba 455.403 { 74}	1.000000	0.000000	0.000158	0.000526	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000064	0.000214	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000248	0.000827	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000386	0.001288	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000550	0.001835	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000267	0.000890	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000074	0.000247	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000428	0.001426	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000440	0.001466	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000384	0.001281	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000440	0.001466	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001462	0.004872	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.002248	0.007495	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001459	0.004863	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.002901	0.009670	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001526	0.005086	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.007847	0.026157	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003365	0.011216	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002005	0.006682	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.021848	0.072827	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.032453	0.108176	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.005543	0.018476	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.000866	0.002888	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000349	0.001164	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.001255	0.004183	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001061	0.003536	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001569	0.005231	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000061	0.000202	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000440	0.001466	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.001356	0.004519	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000192	0.000640	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.004083	0.013609	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001165	0.003883	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.000919	0.003062	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 7/15/2015 14:49:56 Type: Cal
Method: Accutest1(v201) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0049**	**.0005**	**.0005**	**-.0001**	**.0000**	**.0023**	**.0001**	**.0010**	**-.0003**
Stddev	.0004	.0001	.0003	.0001	.0000	.0000	.0000	.0000	.0000
%RSD	8.318	16.70	56.74	56.59	53.11	.4071	11.46	1.487	2.732
#1	.0047	.0004	.0006	-.0001	.0000	.0023	.0001	.0010	-.0003
#2	.0052	.0005	.0003	-.0002	.0000	.0023	.0001	.0010	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**-.0006**	**-.0002**	**-.0003**	**-.0002**	**.0002**	**.0008**	**-.0002**	**.0066**
Stddev	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001
%RSD	28.21	.8154	17.22	4.902	66.34	62.04	17.72	30.88	1.647
#1	-.0001	-.0006	-.0002	-.0003	-.0002	.0003	.0009	-.0002	.0067
#2	-.0001	-.0006	-.0003	-.0003	-.0001	.0001	.0007	-.0003	.0065

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0002**	**-.0037**	**-.0004**	**.0004**	**-.0004**	**-.0003**	**.0091**	**.0002**
Stddev	.0000	.0001	.0004	.0003	.0000	.0001	.0000	.0002	.0001
%RSD	46.14	32.77	10.27	71.26	8.858	14.35	3.100	2.347	37.03
#1	.0001	-.0003	-.0035	-.0002	.0004	-.0003	-.0003	.0093	.0001
#2	.0001	-.0002	-.0040	-.0006	.0004	-.0004	-.0003	.0090	.0002

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**-.0003**	**.0009**	**-.0003**	**.0001**	**-.0027**	**.0002**
Stddev	.0001	.0000	.0001	.0000	.0000	.0002	.0000
%RSD	116.3	17.63	12.28	10.83	64.75	7.273	4.566
#1	-.0002	-.0003	.0010	-.0003	.0000	-.0026	.0002
#2	.0000	-.0002	.0008	-.0002	.0001	-.0029	.0002

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 7/15/2015 14:49:56 Type: Cal
Method: Accutest1(v201) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88943.**	**22296.**	**1246.4**	**3985.7**
Stddev	158.	36.	1.7	3.9
%RSD	.17809	.15972	.13645	.09733
#1	88831.	22270.	1247.6	3988.4
#2	89055.	22321.	1245.2	3982.9

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 7/15/2015 14:55:58 Type: Cal
Method: Accutest1(v201) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.873**	**11.30**	**4.835**	**1.495**	**.2835**	**.8394**	**1.718**	**1.189**	**.0506**
Stddev	.013	.03	.095	.024	.0002	.0013	.000	.021	.0000
%RSD	.1891	.3041	1.954	1.583	.0816	.1533	.0178	1.730	.0775
#1	6.864	11.32	4.902	1.511	.2836	.8385	1.719	1.203	.0506
#2	6.882	11.27	4.768	1.478	.2833	.8403	1.718	1.174	.0507

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3976**	**2.727**	**.5559**	**.1071**	**.4600**	**.2654**	**.8131**	**2.954**	**4.595**
Stddev	.0001	.053	.0105	.0014	.0077	.0051	.0156	.015	.003
%RSD	.0205	1.959	1.886	1.327	1.672	1.924	1.913	.5191	.0644
#1	.3976	2.765	.5633	.1081	.4655	.2691	.8241	2.944	4.597
#2	.3977	2.690	.5485	.1061	.4546	.2618	.8021	2.965	4.593

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.861**	**.5059**	**1.460**	**5.210**	**.9212**	**3.363**	**.1776**	**2.667**	**.5704**
Stddev	.018	.0015	.008	.005	.0170	.067	.0000	.051	.0123
%RSD	.4741	.2920	.5495	.1056	1.848	1.996	.0168	1.926	2.162
#1	3.848	.5048	1.454	5.206	.9332	3.411	.1776	2.704	.5791
#2	3.874	.5069	1.466	5.214	.9092	3.316	.1776	2.631	.5617

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**12.76**	**.4791**	**1.631**	**1.058**	**.2024**	**1.308**	**2.562**
Stddev	.18	.0001	.032	.002	.0032	.024	.011
%RSD	1.425	.0234	1.989	.1746	1.586	1.869	.4403
#1	12.63	.4790	1.653	1.057	.2046	1.325	2.554
#2	12.89	.4792	1.608	1.060	.2001	1.290	2.570

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 7/15/2015 14:55:58 Type: Cal
Method: Accutest1(v201) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85723.**	**21938.**	**1191.2**	**3712.8**
Stddev	37.	45.	19.9	52.0
%RSD	.04285	.20516	1.6716	1.4000
#1	85749.	21970.	1177.1	3676.0
#2	85697.	21906.	1205.3	3749.6

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 7/15/2015 15:01:59 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.970**	**2.017**	**1.957**	**1.952**	**2.008**	**1.936**	**2.007**	**1.983**	**.2466**
Stddev	.001	.004	.002	.005	.000	.001	.006	.003	.0004
%RSD	.0536	.2103	.1177	.2394	.0106	.0587	.2898	.1497	.1807
#1	1.969	2.020	1.955	1.948	2.008	1.935	2.003	1.981	.2462
#2	1.971	2.014	1.958	1.955	2.008	1.936	2.011	1.985	.2469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.975**	**1.994**	**1.943**	**2.004**	**1.986**	**1.944**	**1.958**	**39.16**	**39.68**
Stddev	.009	.002	.004	.000	.002	.002	.003	.08	.10
%RSD	.4643	.1211	.1792	.0098	.0816	.1171	.1367	.2009	.2620
#1	1.968	1.992	1.940	2.004	1.985	1.942	1.956	39.22	39.75
#2	1.981	1.996	1.945	2.004	1.987	1.946	1.960	39.11	39.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.90**	**39.29**	**38.80**	**38.80**	**1.953**	**1.978**	**1.940**	**4.832**	**1.980**
Stddev	.14	.19	.15	.00	.001	.002	.006	.002	.003
%RSD	.3393	.4857	.3822	.0090	.0437	.0738	.3127	.0472	.1307
#1	40.00	39.43	38.90	38.80	1.952	1.977	1.935	4.830	1.978
#2	39.81	39.16	38.69	38.79	1.954	1.979	1.944	4.833	1.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 7/15/2015 15:01:59 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**1.975**	**1.972**	**1.982**	**1.939**	**1.959**	**1.932**
Stddev	.001	.006	.005	.001	.002	.001	.000
%RSD	.0242	.2849	.2505	.0448	.1086	.0362	.0211
#1	1.997	1.971	1.968	1.983	1.938	1.958	1.933
#2	1.997	1.979	1.975	1.982	1.941	1.959	1.932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**87718.**	**22191.**	**1233.5**	**3856.0**
Stddev	275.	35.	.8	4.7
%RSD	.31293	.15794	.06330	.12235
#1	87912.	22166.	1234.0	3859.3
#2	87524.	22216.	1232.9	3852.6

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 7/15/2015 15:07:51 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0002**	**.0001**	**.0000**	**-.0003**	**.0001**	W **-.0035**
Stddev	.000	.000	.0001	.0000	.0000	.0000	.0000	.0005
%RSD	2743.	134.2	33.39	49.60	102.4	7.175	63.02	13.62
#1	-.0002	-.0001	.0003	.0001	.0001	-.0003	.0000	-.0031
#2	.0002	.0000	.0002	.0000	.0000	-.0003	.0001	-.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0031
Low Limit								-.0031

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0002**	**-.0001**	**-.0005**	**.0012**	**.0012**	**-.0019**	**-.0007**
Stddev	.0003	.0003	.0005	.0011	.0006	.0005	.0020	.0009
%RSD	66.90	150.0	405.3	230.3	50.91	41.00	106.7	140.0
#1	.0002	.0000	.0002	-.0012	.0008	.0009	-.0033	.0000
#2	.0007	.0004	-.0004	.0003	.0017	.0016	-.0005	-.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0011**	**-.0023**	**.0009**	**.0045**	**.0428**	**-.0026**	**.0029**	**.0007**
Stddev	.0027	.0008	.0006	.0049	.0192	.0093	.0006	.0001
%RSD	241.9	34.91	67.21	109.7	44.91	362.8	19.53	9.411
#1	-.0008	-.0029	.0005	.0080	.0563	-.0092	.0025	.0008
#2	.0031	-.0017	.0014	.0010	.0292	.0040	.0033	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 7/15/2015 15:07:51 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0004**	**.0021**	**-.0003**	**.0001**	**.0000**	**-.0004**	**.0000**	**.0022**
Stddev	.0011	.0007	.0000	.0001	.000	.0008	.0002	.0017
%RSD	281.2	35.59	10.21	58.59	4682.	220.2	816.5	77.85
#1	.0004	.0026	-.0003	.0001	.0000	.0002	-.0001	.0034
#2	-.0012	.0016	-.0003	.0002	.0000	-.0009	.0001	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0012**	**.0009**
Stddev	.0011	.0000
%RSD	91.08	4.516
#1	.0004	.0008
#2	.0020	.0009
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90231.**	**22391.**	**1258.6**	**4038.3**
Stddev	387.	32.	3.0	8.0
%RSD	.42893	.14301	.24010	.19895
#1	90505.	22368.	1260.7	4044.0
#2	89957.	22413.	1256.4	4032.6

Zoom In Zoom Out

Sample Name: icv Acquired: 7/15/2015 15:14:30 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.964**	**2.009**	**1.949**	**1.942**	**1.999**	**1.926**	**1.998**	**1.975**	**.2449**
Stddev	.002	.001	.005	.003	.011	.006	.007	.004	.0013
%RSD	.1138	.0380	.2627	.1478	.5476	.3197	.3771	.1919	.5142
#1	1.962	2.008	1.949	1.939	2.002	1.925	1.999	1.971	.2461
#2	1.963	2.009	1.944	1.941	2.008	1.933	2.004	1.976	.2450
#3	1.966	2.009	1.955	1.945	1.987	1.921	1.989	1.979	.2436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.967**	**1.985**	**1.935**	**2.001**	**1.976**	**1.940**	**1.955**	**38.98**	**39.45**
Stddev	.006	.003	.002	.005	.003	.010	.006	.02	.00
%RSD	.3020	.1727	.0797	.2375	.1268	.4928	.2999	.0502	.0121
#1	1.969	1.985	1.935	1.998	1.975	1.932	1.956	38.97	39.45
#2	1.973	1.982	1.933	1.998	1.975	1.936	1.949	39.00	39.45
#3	1.961	1.989	1.936	2.007	1.979	1.950	1.961	38.96	39.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.76**	**39.10**	**38.63**	**38.59**	**1.941**	**1.970**	**1.930**	**4.805**	**1.973**
Stddev	.05	.03	.05	.03	.004	.005	.011	.010	.003
%RSD	.1299	.0765	.1270	.0778	.2302	.2403	.5500	.2001	.1639
#1	39.75	39.13	38.59	38.55	1.937	1.969	1.923	4.802	1.969
#2	39.82	39.07	38.69	38.61	1.940	1.965	1.942	4.798	1.973
#3	39.72	39.10	38.62	38.60	1.946	1.975	1.926	4.816	1.976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 7/15/2015 15:14:30 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.992**	**1.966**	**1.965**	**1.974**	**1.947**	**1.946**	**1.926**
Stddev	.002	.006	.002	.007	.004	.005	.003
%RSD	.0864	.3037	.1049	.3410	.2329	.2430	.1368
#1	1.990	1.964	1.965	1.976	1.943	1.945	1.923
#2	1.992	1.972	1.968	1.980	1.952	1.943	1.928
#3	1.993	1.961	1.963	1.967	1.946	1.952	1.927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88073.**	**22250.**	**1236.1**	**3868.7**
Stddev	326.	72.	2.6	7.4
%RSD	.37048	.32172	.20949	.19033
#1	87921.	22219.	1236.4	3874.6
#2	87850.	22199.	1238.6	3871.0
#3	88448.	22332.	1233.4	3860.4

Zoom In Zoom Out

Sample Name: icb Acquired: 7/15/2015 15:30:28 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0000**	**.0001**	**.0001**	**.0001**	**-.0001**	**.0000**	W **-.0039**
Stddev	.0000	.0001	.0000	.0001	.0002	.0000	.0001	.0000
%RSD	27.10	140.0	9.408	124.2	253.9	43.42	211.0	.3319
#1	.0000	.0001	.0002	.0000	-.0001	-.0001	.0001	-.0039
#2	-.0001	.0000	.0001	.0002	.0003	-.0001	.0000	-.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0031
Low Limit								-.0031

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**-.0001**	**-.0002**	**.0009**	**.0018**	**.0016**	**.0007**	**-.0010**
Stddev	.0003	.0001	.0002	.0007	.0024	.0006	.0020	.0003
%RSD	227.8	191.8	107.4	78.01	138.4	38.32	294.0	27.02
#1	-.0004	-.0002	.0000	.0004	.0035	.0012	-.0007	-.0008
#2	.0001	.0000	-.0003	.0015	.0000	.0020	.0021	-.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0034**	**-.0031**	**-.0003**	**.0217**	**-.0196**	**-.0014**	**.0010**	**.0001**
Stddev	.0076	.0001	.0008	.0231	.0001	.0032	.0004	.0001
%RSD	219.9	3.077	242.7	106.8	.3113	229.1	46.35	156.4
#1	-.0019	-.0032	-.0009	.0380	-.0196	.0009	.0013	.0001
#2	.0088	-.0031	.0002	.0053	-.0197	-.0037	.0006	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: icb Acquired: 7/15/2015 15:30:28 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0007**	**-.0001**	**.0000**	**.0006**	**-.0002**	**.0000**	**.0020**
Stddev	.0002	.0004	.0011	.0000	.0000	.0006	.0001	.0024
%RSD	61.25	58.20	1139.	29.83	8.691	348.0	331.1	118.7
#1	-.0001	.0010	.0007	.0000	.0006	.0003	.0001	.0037
#2	-.0004	.0004	-.0009	.0001	.0005	-.0006	.0000	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0000**	**-.0005**
Stddev	.000	.0006
%RSD	357.0	136.2
#1	.0000	.0000
#2	-.0001	-.0009
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90937.**	**22770.**	**1267.6**	**4040.6**
Stddev	238.	6.	1.6	3.2
%RSD	.26127	.02467	.12775	.07900
#1	91105.	22774.	1268.7	4042.8
#2	90769.	22766.	1266.5	4038.3

Zoom In Zoom Out

Sample Name: iccv Acquired: 7/15/2015 15:39:28 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.928**	**1.954**	**1.953**	**1.970**	**1.990**	**1.909**	**1.964**	**1.984**	**.2427**
Stddev	.007	.009	.011	.011	.002	.004	.004	.011	.0003
%RSD	.3666	.4871	.5792	.5585	.1154	.2215	.2039	.5528	.1167
#1	1.933	1.958	1.945	1.964	1.990	1.904	1.965	1.978	.2430
#2	1.934	1.964	1.946	1.961	1.988	1.907	1.962	1.975	.2429
#3	1.928	1.954	1.951	1.969	1.993	1.913	1.970	1.984	.2427
#4	1.919	1.942	1.969	1.986	1.991	1.912	1.961	1.999	.2423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.933**	**2.003**	**1.936**	**2.056**	**1.990**	**1.985**	**1.963**	**38.35**	**38.54**
Stddev	.003	.010	.012	.010	.012	.009	.014	.23	.15
%RSD	.1560	.4970	.6407	.4646	.6009	.4637	.7355	.5866	.3843
#1	1.930	1.995	1.924	2.055	1.982	1.973	1.952	38.41	38.61
#2	1.933	1.997	1.930	2.043	1.983	1.986	1.956	38.62	38.70
#3	1.937	2.003	1.938	2.060	1.990	1.989	1.959	38.30	38.47
#4	1.931	2.017	1.953	2.066	2.008	1.994	1.984	38.08	38.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: iccv Acquired: 7/15/2015 15:39:28 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.22**	**38.16**	F **37.69**	F **37.57**	**1.945**	**1.972**	**1.916**	**4.817**	**1.976**
Stddev	.21	.26	.21	.15	.013	.013	.005	.024	.012
%RSD	.5305	.6748	.5566	.4072	.6471	.6631	.2468	.4943	.5970
#1	39.25	38.30	37.76	37.65	1.934	1.960	1.914	4.800	1.969
#2	39.46	38.42	37.91	37.74	1.938	1.966	1.917	4.810	1.969
#3	39.19	38.07	37.67	37.51	1.945	1.971	1.921	4.806	1.973
#4	38.96	37.84	37.41	37.39	1.962	1.990	1.910	4.852	1.994
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			40.00	40.00					
Range			-5.000%	-5.000%					

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.955**	**1.955**	**1.957**	**1.964**	F **1.836**	**1.936**	**1.903**
Stddev	.008	.005	.012	.003	.010	.011	.008
%RSD	.3963	.2614	.5991	.1284	.5466	.5866	.4312
#1	1.958	1.955	1.947	1.960	1.825	1.928	1.905
#2	1.963	1.952	1.949	1.966	1.835	1.931	1.911
#3	1.954	1.962	1.962	1.964	1.834	1.934	1.902
#4	1.945	1.951	1.972	1.965	1.849	1.953	1.892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					2.000		
Range					-5.000%		

Zoom In Zoom Out

Sample Name: iccv Acquired: 7/15/2015 15:39:28 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88368.**	**22755.**	**1234.2**	**3849.1**
Stddev	131.	85.	5.2	16.3
%RSD	.14879	.37538	.42132	.42219
#1	88380.	22769.	1238.6	3857.5
#2	88543.	22631.	1236.0	3862.5
#3	88230.	22820.	1235.4	3850.6
#4	88320.	22800.	1226.7	3825.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 15:52:38 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0001**	**.0001**	**-.0001**	**-.0001**	**.0000**	**.0000**	W **-.0035**
Stddev	.0000	.0000	.0001	.0000	.0001	.0002	.0000	.0002
%RSD	10.73	6.399	83.66	56.81	142.2	525.7	694.9	4.452
#1	-.0003	.0001	.0001	-.0001	.0000	-.0001	.0000	-.0034
#2	-.0003	.0001	.0000	.0000	-.0002	.0002	.0000	-.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0031
Low Limit								-.0031

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0001**	**-.0001**	**.0000**	**.0008**	**.0014**	**-.0001**	**-.0010**
Stddev	.0002	.0004	.0000	.001	.0012	.0001	.0001	.0005
%RSD	75.89	352.1	36.02	5176.	163.3	8.035	58.69	51.17
#1	-.0004	.0004	-.0002	-.0009	.0016	.0015	-.0001	-.0013
#2	-.0001	-.0002	-.0001	.0009	-.0001	.0014	-.0002	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0049**	**-.0001**	**-.0002**	**.0118**	**-.0012**	**.0076**	**.0011**	**.0001**
Stddev	.0059	.0008	.0004	.0041	.0277	.0006	.0003	.0002
%RSD	120.7	1309.	274.8	35.03	2367.	7.550	27.35	261.4
#1	.0091	.0005	.0002	.0147	.0184	.0080	.0014	.0003
#2	.0007	-.0006	-.0005	.0089	-.0208	.0072	.0009	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 15:52:38 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0006**	**.0008**	W **.0021**	**.0000**	**.0000**	**-.0019**	**.0000**	**.0033**
Stddev	.0010	.0012	.0026	.0000	.0001	.0007	.000	.0009
%RSD	182.7	156.4	125.5	98.84	849.9	36.94	204.5	28.55
#1	.0002	-.0001	.0002	.0001	.0001	-.0024	.0000	.0026
#2	-.0013	.0017	.0039	.0000	-.0001	-.0014	-.0001	.0039
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.0020					
Low Limit			-.0020					

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0013**	**-.0006**
Stddev	.0002	.0001
%RSD	14.69	9.009
#1	.0014	-.0006
#2	.0011	-.0005
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**91137.**	**23028.**	**1265.1**	**4041.8**
Stddev	156.	27.	.1	8.9
%RSD	.17166	.11687	.00457	.22017
#1	91248.	23047.	1265.2	4035.5
#2	91027.	23009.	1265.1	4048.1

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 15:57:38 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1938**	**.0020**	**.0031**	**.0536**	**.0103**	**.0113**	**.0158**	W **.0079**
Stddev	.0003	.0000	.0001	.0013	.0003	.0002	.0001	.0003
%RSD	.1728	.3035	3.424	2.447	3.105	2.029	.4094	3.293
#1	.1940	.0020	.0031	.0527	.0105	.0115	.0159	.0077
#2	.1936	.0020	.0032	.0545	.0101	.0112	.0158	.0081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value								.0100
Range								-20.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056**	**.0511**	**.0236**	**.0078**	**.0090**	**.0026**	W **.0124**	**.0056**
Stddev	.0000	.0003	.0006	.0002	.0011	.0011	.0063	.0003
%RSD	.2081	.4957	2.551	2.584	12.68	41.21	50.94	4.963
#1	.0056	.0509	.0231	.0077	.0098	.0034	.0079	.0058
#2	.0056	.0513	.0240	.0080	.0081	.0019	.0168	.0054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.0100	
Range							20.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2041**	**4.765**	**.0976**	**4.613**	**4.575**	**4.536**	**.1017**	**.0206**
Stddev	.0016	.000	.0022	.009	.044	.010	.0024	.0005
%RSD	.7727	.0063	2.279	.1897	.9556	.2112	2.373	2.564
#1	.2030	4.765	.0960	4.619	4.544	4.543	.1000	.0202
#2	.2052	4.764	.0991	4.606	4.606	4.530	.1034	.0210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 15:57:38 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0487**	**.1969**	**.0111**	**.0101**	**.0102**	**.0524**	**.0100**	**.0501**
Stddev	.0006	.0041	.0005	.0001	.0004	.0017	.0001	.0006
%RSD	1.226	2.058	4.533	1.027	3.705	3.193	1.332	1.187
#1	.0483	.1940	.0114	.0100	.0105	.0512	.0099	.0496
#2	.0492	.1998	.0107	.0102	.0100	.0536	.0101	.0505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0210**	**.0210**
Stddev	.0015	.0000
%RSD	7.082	.1480
#1	.0200	.0210
#2	.0221	.0210
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90428.**	**23193.**	**1246.1**	**3961.8**
Stddev	38.	84.	19.5	64.1
%RSD	.04205	.36394	1.5654	1.6174
#1	90455.	23253.	1259.9	4007.1
#2	90401.	23134.	1232.3	3916.5

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 16:03:39 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**.0010**	W **.0012**	**.0033**	**.0020**	**.0017**	**.0030**	F **.0021**
Stddev	.0002	.0000	.0001	.0001	.0000	.0003	.0000	.0001
%RSD	5.976	2.427	9.311	2.894	1.260	14.90	1.657	4.212
#1	.0038	.0010	.0013	.0032	.0020	.0015	.0030	.0021
#2	.0035	.0009	.0011	.0034	.0020	.0019	.0030	.0020
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value			.0010					.0040
Range			20.00%					-30.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0020**	**.0019**	W **.0120**	F **.0019**	**.0022**	W **.0031**	F **.0021**	**.0026**
Stddev	.0003	.0001	.0000	.0014	.0033	.0007	.0001	.0009
%RSD	12.88	4.417	.2858	72.57	151.1	21.27	2.875	35.96
#1	.0022	.0018	.0120	.0009	.0045	.0027	.0021	.0019
#2	.0018	.0019	.0120	.0028	-.0002	.0036	.0022	.0032
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value			.0100	.0030		.0025	.0050	
Range			20.00%	-30.00%		20.00%	-30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1000**	**.9681**	**-.0002**	**.1133**	**1.815**	**.9127**	**.0099**	**-.0003**
Stddev	.0041	.0034	.0004	.0193	.053	.0012	.0000	.0001
%RSD	4.066	.3514	154.9	17.07	2.899	.1332	.1235	39.46
#1	.1028	.9657	.0000	.1270	1.777	.9135	.0100	-.0004
#2	.0971	.9705	-.0005	.0996	1.852	.9118	.0099	-.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 16:03:39 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0024**	**.0020**	**-.0001**	**.0003**	F **-.0004**	F **.0000**	F **.0011**
Stddev	.0001	.0009	.0001	.0001	.0002	.0005	.0001	.0007
%RSD	377.5	39.37	4.434	133.1	86.35	128.4	229.4	61.92
#1	.0001	.0017	.0020	-.0001	.0004	-.0008	.0000	.0016
#2	.0000	.0031	.0021	.0000	.0001	.0000	.0001	.0006
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0013**	F **-.0003**
Stddev	.0007	.0003
%RSD	57.61	110.8
#1	-.0007	-.0001
#2	-.0018	-.0005
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90792.**	**23003.**	**1243.5**	**3989.8**
Stddev	95.	26.	22.6	65.6
%RSD	.10429	.11363	1.8154	1.6430
#1	90859.	23021.	1259.4	4036.2
#2	90725.	22984.	1227.5	3943.5

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 16:09:44 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**.0001**	**.0000**	**-.0005**	**-.0002**	**-.0001**	**-.0037**	**-.0001**
Stddev	.0001	.000	.0000	.0000	.0001	.0000	.0000	.0002	.0002
%RSD	49.63	114.3	5.401	7.870	25.33	4.903	33.74	6.557	323.1
#1	-.0003	.0000	.0001	.0000	-.0006	-.0002	-.0001	-.0039	-.0002
#2	-.0002	-.0001	.0001	.0000	-.0004	-.0002	-.0001	-.0035	.0001
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0008**	**.0209**	**.0010**	**.0229**	**.0213**	**.0204**	**.4931**	**1.992**
Stddev	.0000	.0001	.0009	.0004	.0008	.0003	.0002	.0043	.008
%RSD	5.647	13.32	4.503	36.70	3.623	1.303	.9985	.8672	.4165
#1	.0003	.0007	.0215	.0013	.0235	.0211	.0203	.4901	1.998
#2	.0003	.0008	.0202	.0007	.0223	.0215	.0206	.4962	1.986
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4885**	**1.910**	**.0241**	**.0039**	**.0001**	**-.0003**	**.0007**	**.0001**	**-.0005**
Stddev	.0054	.009	.0175	.0030	.0010	.0004	.0005	.0014	.0003
%RSD	1.101	.4717	72.60	77.61	1061.	140.8	70.16	1126.	51.57
#1	.4923	1.904	.0365	.0017	-.0006	.0000	.0010	-.0009	-.0003
#2	.4847	1.917	.0117	.0060	.0008	-.0006	.0003	.0011	-.0007
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 16:09:44 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0002**	**-.0010**	**.0000**	**.0016**	**-.0006**	**.0003**
Stddev	.0001	.0005	.0012	.0000	.0006	.0003	.0001
%RSD	56.20	192.2	127.7	5994.	37.92	53.02	49.32
#1	-.0001	-.0001	-.0018	.0000	.0020	-.0008	.0002
#2	-.0002	.0006	-.0001	.0000	.0012	-.0004	.0004
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**91130.**	**23196.**	**1257.6**	**4010.2**
Stddev	144.	73.	14.6	50.2
%RSD	.15804	.31482	1.1610	1.2507
#1	91028.	23144.	1267.9	4045.6
#2	91232.	23248.	1247.3	3974.7

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 16:15:49 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0000**	**.0021**	**.0000**	**.0005**	**-.0029**	**.0052**	**-.0043**	**.0068**
Stddev	.0000	.000	.0001	.0004	.0003	.0003	.0001	.0002	.0003
%RSD	68.19	638.9	4.403	936.6	56.97	11.57	1.307	4.845	5.113
#1	.0001	.0001	.0022	-.0002	.0003	-.0027	.0052	-.0042	.0065
#2	.0000	-.0001	.0020	.0003	.0007	-.0031	.0051	-.0045	.0070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0044**	**.0031**	**-.0017**	**.0023**	**-.0014**	**-.0078**	**-.0001**	**518.3**	**384.9**
Stddev	.0000	.0002	.0002	.0001	.0007	.0082	.0029	3.1	3.6
%RSD	.2990	7.730	11.00	3.720	46.54	104.1	3378.	.6029	.9466
#1	-.0044	.0033	-.0019	.0023	-.0019	-.0021	.0020	516.1	382.3
#2	-.0044	.0029	-.0016	.0022	-.0009	-.0136	-.0021	520.5	387.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**185.2**	**511.6**	**.1407**	**.0073**	**-.0017**	**-.0101**	**-.0003**	**-.0376**	**-.0051**
Stddev	.4	1.4	.0070	.0061	.0005	.0012	.0001	.0011	.0016
%RSD	.2192	.2706	4.955	82.98	27.03	11.53	45.85	2.887	31.72
#1	184.9	510.7	.1358	.0030	-.0014	-.0093	-.0002	-.0384	-.0063
#2	185.5	512.6	.1456	.0116	-.0020	-.0110	-.0004	-.0369	-.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 16:15:49 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0089**	**-.0004**	**-.0032**	**-.0076**	**-.1054**	**.0047**	**-.0001**
Stddev	.0002	.0002	.0008	.0001	.0072	.0004	.0007
%RSD	2.798	42.39	26.69	1.029	6.854	9.434	488.5
#1	.0091	-.0002	-.0026	-.0077	-.1105	.0044	-.0006
#2	.0088	-.0005	-.0038	-.0076	-.1003	.0050	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81215.**	**22007.**	**1141.9**	**3469.4**
Stddev	.	120.	4.4	18.8
%RSD	.00047	.54412	.38894	.54100
#1	81214.	22092.	1145.1	3482.6
#2	81215.	21922.	1138.8	3456.1

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/15/2015 16:22:01 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5476**	**.5545**	**1.050**	**.5099**	**.5164**	**.5223**	**.5204**	**1.004**	**1.106**
Stddev	.0426	.0430	.001	.0005	.0017	.0026	.0005	.002	.007
%RSD	7.786	7.752	.0960	.0917	.3313	.4899	.1043	.2228	.6815
#1	.5778	.5849	1.049	.5095	.5177	.5241	.5207	1.002	1.111
#2	.5175	.5241	1.050	.5102	.5152	.5205	.5200	1.005	1.100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5078**	**.9963**	**1.014**	**.9634**	**1.005**	**1.036**	**1.066**	**533.6**	**413.0**
Stddev	.0020	.0015	.000	.0026	.001	.006	.003	41.8	28.0
%RSD	.3897	.1472	.0260	.2680	.0695	.5376	.2443	7.834	6.780
#1	.5064	.9953	1.014	.9616	1.005	1.040	1.065	563.1	432.8
#2	.5092	.9974	1.014	.9652	1.004	1.032	1.068	504.0	393.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**210.7**	**553.3**	**.1460**	**.0039**	**-.0002**	**.4770**	**.5508**	**-.0477**	**-.0051**
Stddev	16.5	43.4	.0008	.0025	.0032	.0012	.0022	.0002	.0007
%RSD	7.816	7.851	.5411	62.82	1622.	.2429	.4043	.3314	14.25
#1	222.3	584.0	.1455	.0056	-.0025	.4762	.5524	-.0476	-.0046
#2	199.0	522.6	.1466	.0022	.0021	.4778	.5492	-.0478	-.0056
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/15/2015 16:22:01 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0097**	**-.0002**	**.5170**	**.4731**	**.4190**	**.5041**	**.5682**
Stddev	.0009	.0004	.0010	.0020	.0238	.0015	.0413
%RSD	9.231	272.2	.1990	.4288	5.687	.2954	7.272
#1	.0103	-.0005	.5177	.4716	.4022	.5030	.5975
#2	.0091	.0002	.5163	.4745	.4359	.5051	.5390
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81637.**	**20606.**	**1152.3**	**3509.6**
Stddev	127.	1452.	2.5	6.7
%RSD	.15544	7.0454	.21331	.19134
#1	81548.	19579.	1154.0	3514.3
#2	81727.	21632.	1150.5	3504.8

Zoom In Zoom Out

Sample Name: feconf Acquired: 7/15/2015 16:28:04 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0001**	**.0000**	**.0018**	**.0002**	**.0003**	**-.0032**	**.0037**	**-.0036**	**.0059**
Stddev	.0001	.000	.0002	.0000	.0002	.0001	.0001	.0003	.0003
%RSD	164.1	9.438	10.50	9.653	64.29	2.506	2.772	7.391	4.870
#1	-.0001	.0000	.0019	.0002	.0005	-.0032	.0038	-.0034	.0061
#2	.0000	.0000	.0017	.0002	.0002	-.0033	.0036	-.0038	.0057

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0061**	**.0029**	**.0007**	**.0025**	**.0023**	**-.0059**	**-.0006**	**.0324**	**.0151**
Stddev	.0001	.0002	.0003	.0007	.0011	.0026	.0018	.0018	.0059
%RSD	1.424	7.086	44.15	28.19	49.40	44.53	290.0	5.436	38.79
#1	-.0060	.0030	.0009	.0020	.0015	-.0077	-.0019	.0311	.0192
#2	-.0061	.0027	.0005	.0030	.0031	-.0040	.0007	.0336	.0110

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**186.8**	**.0612**	**.1111**	**-.0024**	**-.0029**	**-.0003**	**-.0020**	**.0086**	**-.0020**
Stddev	.8	.0113	.0046	.0050	.0010	.0001	.0004	.0005	.0000
%RSD	.4281	18.53	4.106	206.5	35.01	24.28	18.24	5.970	1.347
#1	187.3	.0692	.1079	-.0060	-.0036	-.0004	-.0023	.0082	-.0020
#2	186.2	.0532	.1144	.0011	-.0022	-.0003	-.0018	.0089	-.0021

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**-.0001**	**-.0005**	**.0009**	**.0005**	**-.0018**	**.0058**	**-.0009**
Stddev	.0001	.0008	.0000	.0004	.0056	.0006	.0002
%RSD	111.6	139.2	5.530	70.11	306.5	9.522	24.52
#1	.0000	.0000	.0008	.0008	-.0058	.0062	-.0011
#2	-.0002	-.0011	.0009	.0003	.0021	.0054	-.0008

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91257.**	**23027.**	**1272.6**	**4111.6**
Stddev	51.	59.	5.8	10.1
%RSD	.05612	.25678	.45241	.24675
#1	91293.	22985.	1276.7	4118.8
#2	91220.	23069.	1268.6	4104.4

Zoom In Zoom Out

Sample Name: crconf Acquired: 7/15/2015 16:34:05 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**-.0001**	**-.0003**	**-.0006**	**10.31**	**-.0005**	**-.0001**	**-.0048**	**.0002**
Stddev	.0003	.0001	.0001	.0002	.04	.0003	.0000	.0002	.0004
%RSD	170.6	108.5	17.17	25.63	.3536	51.44	36.58	3.784	184.3
#1	-.0004	.0000	-.0003	-.0005	10.29	-.0003	-.0001	-.0046	.0005
#2	.0000	-.0002	-.0003	-.0008	10.34	-.0007	-.0001	-.0049	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0166**	**-.0027**	**.0004**	**-.0001**	**.0032**	**.0008**	**-.0002**	**.0116**	**-.0185**
Stddev	.0003	.0004	.0010	.0009	.0004	.0025	.0002	.0022	.0042
%RSD	1.563	16.01	266.4	1463.	12.67	310.2	132.1	19.22	22.46
#1	-.0164	-.0030	.0010	.0006	.0029	-.0010	-.0003	.0132	-.0156
#2	-.0167	-.0024	-.0003	-.0007	.0035	.0026	.0000	.0101	-.0214

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0194**	**.0361**	**-.0042**	**-.0026**	**-.0004**	**.0002**	**.0008**	**.0094**	**-.0025**
Stddev	.0011	.0028	.0133	.0041	.0001	.0001	.0006	.0002	.0009
%RSD	5.481	7.644	313.6	156.1	36.32	54.52	69.65	1.798	34.68
#1	.0202	.0342	-.0136	-.0055	-.0003	.0001	.0012	.0095	-.0031
#2	.0187	.0381	.0051	.0003	-.0005	.0002	.0004	.0093	-.0019

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**-.0003**	**-.0011**	**-.0013**	**.0072**	**-.0005**	**-.0004**
Stddev	.000	.0000	.0002	.0000	.0025	.0009	.0010
%RSD	12.34	3.471	14.65	.0142	34.69	159.1	258.0
#1	-.0001	-.0003	-.0010	-.0013	.0054	-.0012	-.0011
#2	.0000	-.0003	-.0012	-.0013	.0090	.0001	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91949.**	**23212.**	**1258.9**	**4095.4**
Stddev	559.	70.	5.2	14.1
%RSD	.60745	.29961	.41058	.34311
#1	92344.	23162.	1262.6	4105.3
#2	91554.	23261.	1255.2	4085.5

Zoom In Zoom Out

Sample Name: asconf Acquired: 7/15/2015 16:40:06 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0003**	**.0000**	**.0012**	**.0001**	**.0002**	**-.0005**	**-.0001**	**-.0034**	**.0001**
Stddev	.0001	.000	.0003	.0003	.0005	.0000	.0000	.0002	.0003
%RSD	44.06	32.28	27.49	468.3	276.3	6.621	34.10	4.670	297.4
#1	-.0004	-.0001	.0015	.0003	.0006	-.0005	-.0001	-.0035	.0003
#2	-.0002	.0000	.0010	-.0001	-.0002	-.0005	-.0001	-.0033	-.0001

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**-.0003**	**4.637**	**.0024**	**.0013**	**-.0013**	**-.0003**	**.0074**	**-.0350**
Stddev	.0002	.0001	.020	.0029	.0001	.0033	.0005	.0122	.0026
%RSD	46.26	30.12	.4256	121.5	7.806	243.5	178.4	164.9	7.544
#1	.0006	-.0002	4.623	.0045	.0013	.0010	-.0007	-.0012	-.0331
#2	.0003	-.0003	4.651	.0003	.0014	-.0036	.0001	.0161	-.0369

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0059**	**.0233**	**.0123**	**.0004**	**-.0006**	**-.0001**	**-.0008**	**-.0083**	**-.0014**
Stddev	.0015	.0144	.0071	.0021	.0001	.0000	.0003	.0003	.0012
%RSD	25.25	61.65	57.36	540.4	19.78	25.39	36.98	3.051	81.94
#1	.0070	.0131	.0073	.0019	-.0007	-.0001	-.0006	-.0084	-.0022
#2	.0049	.0334	.0173	-.0011	-.0005	-.0002	-.0010	-.0081	-.0006

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0000**	**.0002**	**-.0006**	**.0012**	**.0053**	**.0002**	**-.0013**
Stddev	.000	.0000	.0009	.0003	.0013	.0004	.0001
%RSD	114.5	20.77	152.9	25.80	24.90	197.7	5.852
#1	.0000	.0002	.0000	.0014	.0044	-.0001	-.0012
#2	-.0001	.0002	-.0012	.0009	.0063	.0005	-.0013

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92443.**	**23407.**	**1284.4**	**4104.3**
Stddev	259.	45.	3.0	11.1
%RSD	.28037	.19109	.23222	.27012
#1	92260.	23438.	1286.5	4112.1
#2	92627.	23375.	1282.3	4096.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 16:46:09 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.896**	**1.910**	**1.914**	**1.938**	**1.957**	**1.879**	**1.953**	**1.956**	**.2387**
Stddev	.000	.000	.004	.003	.002	.001	.001	.001	.0006
%RSD	.0118	.0008	.1901	.1483	.0775	.0572	.0679	.0389	.2664
#1	1.896	1.910	1.912	1.936	1.956	1.878	1.954	1.956	.2383
#2	1.896	1.910	1.917	1.940	1.958	1.879	1.953	1.955	.2392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.927**	**1.961**	**1.899**	**2.026**	**1.960**	**1.937**	**1.922**	**37.28**	**37.96**
Stddev	.005	.002	.005	.007	.005	.008	.003	.04	.09
%RSD	.2529	.1084	.2906	.3450	.2760	.4163	.1664	.1176	.2415
#1	1.930	1.960	1.895	2.021	1.964	1.931	1.920	37.31	37.89
#2	1.923	1.963	1.903	2.031	1.956	1.942	1.924	37.25	38.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.09**	**37.37**	**36.75**	**37.03**	**1.906**	**1.934**	**1.908**	**4.734**	**1.944**
Stddev	.02	.03	.00	.00	.007	.004	.001	.011	.003
%RSD	.0624	.0760	.0050	.0007	.3624	.2150	.0758	.2358	.1563
#1	38.07	37.35	36.75	37.03	1.901	1.931	1.909	4.726	1.941
#2	38.10	37.39	36.75	37.03	1.910	1.937	1.907	4.742	1.946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 16:46:09 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.917**	**1.945**	**1.921**	**1.936**	**1.865**	**1.906**	**1.853**
Stddev	.001	.005	.001	.001	.013	.008	.003
%RSD	.0419	.2576	.0706	.0573	.6719	.4357	.1367
#1	1.917	1.948	1.920	1.935	1.857	1.901	1.855
#2	1.916	1.941	1.922	1.937	1.874	1.912	1.851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**89663.**	**23235.**	**1257.6**	**3912.2**
Stddev	5.	118.	2.8	4.3
%RSD	.00611	.50636	.22582	.11016
#1	89667.	23318.	1259.6	3915.2
#2	89660.	23152.	1255.6	3909.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 16:52:00 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0002**	**.0002**	**-.0001**	**-.0003**	**.0000**	W **-.0042**
Stddev	.000	.0000	.0000	.0001	.0002	.0000	.000	.0002
%RSD	525.0	11.78	9.585	66.77	163.6	16.38	366.2	3.907
#1	.0001	.0001	.0002	.0001	.0000	-.0003	-.0001	-.0043
#2	-.0002	.0001	.0003	.0003	-.0003	-.0002	.0000	-.0041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit								.0031
Low Limit								-.0031

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0005**	**.0001**	**-.0001**	**.0002**	**.0000**	**.0009**	**.0020**	**-.0001**
Stddev	.0003	.0000	.0001	.0003	.001	.0002	.0007	.0006
%RSD	72.88	18.71	125.9	135.2	7303.	17.69	35.80	1144.
#1	.0007	.0001	.0000	.0004	.0010	.0008	.0024	-.0005
#2	.0002	.0001	-.0001	.0000	-.0010	.0010	.0015	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0049**	**-.0013**	**.0030**	**.0067**	**-.0088**	**-.0050**	**.0013**	**.0007**
Stddev	.0036	.0000	.0008	.0139	.0009	.0011	.0002	.0001
%RSD	73.98	1.936	27.08	207.1	9.678	22.30	11.72	18.49
#1	-.0075	-.0013	.0024	-.0031	-.0094	-.0058	.0012	.0008
#2	-.0023	-.0013	.0036	.0165	-.0082	-.0042	.0014	.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 16:52:00 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0003**	**.0004**	**.0000**	**-.0001**	**.0001**	**.0001**	**-.0007**
Stddev	.0014	.0002	.0004	.0001	.0000	.0005	.0004	.0028
%RSD	458.0	59.08	109.6	315.7	15.39	342.0	269.0	398.0
#1	.0007	.0005	.0001	.0000	-.0001	.0005	-.0001	-.0027
#2	-.0013	.0002	.0007	.0001	-.0001	-.0002	.0004	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**-.0006**	**-.0005**
Stddev	.0013	.0001
%RSD	209.9	22.25
#1	.0003	-.0004
#2	-.0016	-.0005
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90470.**	**23329.**	**1283.6**	**4095.7**
Stddev	1746.	62.	4.4	11.7
%RSD	1.9294	.26484	.33991	.28464
#1	91704.	23286.	1286.7	4103.9
#2	89236.	23373.	1280.5	4087.4

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 16:58:06 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0036**	**.0009**	**.0010**	**.0029**	**.0018**	W **.0015**	**.0030**	F **.0006**
Stddev	.0001	.0000	.0001	.0000	.0002	.0001	.0000	.0001
%RSD	4.129	2.983	12.84	1.643	8.350	9.187	.7493	19.03
#1	.0035	.0009	.0011	.0030	.0017	.0014	.0030	.0006
#2	.0037	.0009	.0009	.0029	.0020	.0016	.0030	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail
Value						.0020		.0040
Range						-20.00%		-30.00%

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**.0018**	**.0114**	W **.0022**	F **.0037**	F **.0033**	W **.0040**	F **.0013**
Stddev	.0001	.0001	.0000	.0006	.0014	.0008	.0016	.0008
%RSD	3.310	6.922	.0806	28.73	36.65	25.28	39.57	62.99
#1	.0021	.0017	.0115	.0026	.0027	.0027	.0029	.0007
#2	.0022	.0019	.0114	.0017	.0046	.0039	.0051	.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Fail	Chk Warn	Chk Fail
Value				.0030	.0020	.0025	.0050	.0030
Range				-20.00%	30.00%	30.00%	-20.00%	-30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0962**	**.9549**	**.0009**	**.1051**	**1.783**	**.8902**	**.0095**	**.0001**
Stddev	.0044	.0024	.0016	.0132	.035	.0013	.0003	.0002
%RSD	4.541	.2548	176.9	12.60	1.936	.1495	3.569	149.5
#1	.0993	.9532	-.0002	.1145	1.807	.8893	.0097	.0000
#2	.0931	.9566	.0020	.0957	1.758	.8912	.0093	.0002
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 16:58:06 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0012**	**-.0001**	**.0024**	**-.0001**	**.0001**	F **-.0011**	F **.0000**	F **.0006**
Stddev	.0006	.0001	.0013	.0001	.0002	.0005	.000	.0018
%RSD	53.29	173.8	51.54	70.19	160.9	43.41	172.2	318.6
#1	.0016	-.0002	.0015	.0000	.0000	-.0015	-.0001	.0018
#2	.0007	.0000	.0033	-.0001	.0003	-.0008	.0000	-.0007
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0000**	F **-.0005**
Stddev	.0003	.0006
%RSD	578.9	117.6
#1	.0002	-.0010
#2	-.0001	-.0001
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**91637.**	**23238.**	**1278.3**	**4073.0**
Stddev	47.	180.	6.0	10.9
%RSD	.05128	.77524	.46590	.26691
#1	91670.	23366.	1282.6	4080.6
#2	91603.	23111.	1274.1	4065.3

Zoom In Zoom Out

Sample Name: mp87627-mb1conf Acquired: 7/15/2015 17:04:09 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: aq

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**-.0002**	**.0000**	**.0002**	**.0000**	**-.0002**	**-.0004**	**.0000**	**-.0020**	**-.0003**
Stddev	.0000	.000	.0002	.000	.0004	.0001	.000	.0002	.0003
%RSD	12.05	153.8	122.3	244.0	194.0	14.65	30.20	10.31	118.0
#1	-.0002	.0000	.0003	.0000	.0001	-.0004	.0000	-.0018	.0000
#2	-.0002	-.0001	.0000	-.0001	-.0005	-.0003	.0000	-.0021	-.0005

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0000**	**.0009**	**-.0008**	**.0007**	**.0023**	**-.0006**	**.0000**	**.0094**	**.0229**
Stddev	.0001	.0000	.0011	.0002	.0002	.0001	.000	.0056	.0012
%RSD	182.4	2.923	133.9	23.91	10.68	24.98	20.14	59.94	5.315
#1	.0001	.0009	-.0016	.0009	.0021	-.0005	.0000	.0054	.0237
#2	.0000	.0009	.0000	.0006	.0025	-.0007	.0000	.0134	.0220

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0016**	**.0231**	**-.0058**	**.0012**	**.0046**	**.0002**	**.0001**	**.0143**	**-.0008**
Stddev	.0003	.0100	.0174	.0040	.0002	.0001	.0011	.0017	.0003
%RSD	21.04	43.29	299.6	328.2	4.549	58.62	1055.	12.00	38.13
#1	.0019	.0302	.0065	.0041	.0047	.0001	-.0007	.0155	-.0006
#2	.0014	.0160	-.0181	-.0016	.0044	.0003	.0009	.0130	-.0010

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0002**	**-.0018**	**.0006**	**.0025**	**-.0012**	**-.0015**
Stddev	.0000	.0001	.0011	.0002	.0008	.0005	.0005
%RSD	17.42	63.46	64.10	28.77	33.35	45.53	30.65
#1	.0001	.0003	-.0026	.0005	.0031	-.0008	-.0012
#2	.0002	.0001	-.0010	.0007	.0019	-.0016	-.0018

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92438.**	**23484.**	**1278.2**	**4097.2**
Stddev	50.	4.	3.8	10.8
%RSD	.05413	.01606	.30041	.26401
#1	92474.	23481.	1280.9	4104.8
#2	92403.	23487.	1275.5	4089.5

Zoom In Zoom Out

Sample Name: mp87627-s1 2 Acquired: 7/15/2015 17:10:11 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.392**	**1.426**	**1.375**	**1.245**	**1.431**	**1.400**	**2.107**	**1.259**	**.1591**
Stddev	.002	.003	.004	.003	.005	.003	.010	.004	.0005
%RSD	.1730	.1887	.2750	.2677	.3759	.2206	.4688	.3184	.3202
#1	1.393	1.428	1.373	1.243	1.435	1.398	2.114	1.256	.1588
#2	1.390	1.424	1.378	1.247	1.427	1.403	2.100	1.262	.1595

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.421**	**1.696**	**1.816**	**1.110**	**1.078**	**.3903**	**1.483**	**16.78**	**38.26**
Stddev	.009	.008	.010	.008	.005	.0046	.007	.02	.01
%RSD	.6419	.4701	.5544	.7122	.4403	1.189	.4610	.1431	.0254
#1	1.428	1.690	1.809	1.105	1.074	.3870	1.478	16.80	38.26
#2	1.415	1.701	1.823	1.116	1.081	.3936	1.488	16.76	38.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.40**	**24.25**	F **747.6**	**151.9**	F **62.91**	**1.570**	**.3707**	**3.890**	**1.281**
Stddev	.02	.08	2.5	.4	.20	.003	.0023	.008	.007
%RSD	.1080	.3119	.3373	.2937	.3118	.1648	.6113	.2158	.5472
#1	17.42	24.19	745.8	152.3	62.77	1.568	.3723	3.884	1.276
#2	17.39	24.30	749.4	151.6	63.05	1.572	.3691	3.896	1.286

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.432**	**1.475**	**1.497**	**.5321**	**5.332**	**.0131**	**.0029**
Stddev	.002	.007	.005	.0003	.022	.0016	.0009
%RSD	.1326	.4971	.3535	.0578	.4203	12.09	29.69
#1	1.433	1.480	1.493	.5323	5.316	.0142	.0023
#2	1.430	1.470	1.500	.5319	5.348	.0120	.0035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84666.**	**23955.**	**1124.9**	**3905.8**
Stddev	112.	71.	2.8	7.7
%RSD	.13182	.29436	.25276	.19772
#1	84588.	24005.	1126.9	3911.2
#2	84745.	23905.	1122.9	3900.3

Zoom In Zoom Out

Sample Name: mp87627-s2 Acquired: 7/15/2015 17:16:12 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.440**	**1.478**	**1.424**	**1.300**	**1.492**	**1.453**	**2.156**	**1.313**	**.1584**
Stddev	.007	.013	.002	.001	.005	.003	.001	.000	.0006
%RSD	.4835	.8772	.1201	.0900	.3375	.1864	.0643	.0283	.3480
#1	1.435	1.469	1.425	1.300	1.496	1.455	2.157	1.313	.1580
#2	1.445	1.487	1.422	1.299	1.488	1.451	2.155	1.313	.1588

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.464**	**1.756**	**1.809**	**1.169**	**1.124**	**.3864**	**1.471**	**17.05**	**38.56**
Stddev	.000	.002	.004	.002	.001	.0004	.002	.14	.02
%RSD	.0072	.1011	.2113	.1254	.0527	.0972	.1214	.8147	.0466
#1	1.464	1.757	1.812	1.171	1.124	.3861	1.472	16.96	38.54
#2	1.464	1.754	1.806	1.168	1.125	.3867	1.469	17.15	38.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**17.76**	**24.68**	F **761.5**	**153.9**	F **63.55**	**1.553**	**.3679**	**3.951**	**1.263**
Stddev	.14	.08	.2	1.1	.04	.000	.0030	.012	.005
%RSD	.7783	.3306	.0255	.7279	.0618	.0249	.8245	.3027	.3856
#1	17.66	24.62	761.6	153.1	63.58	1.553	.3700	3.959	1.259
#2	17.86	24.74	761.4	154.7	63.53	1.553	.3657	3.942	1.266

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.486**	**1.458**	**1.477**	**.5226**	**5.358**	**.0154**	**.0043**
Stddev	.009	.002	.003	.0009	.018	.0007	.0005
%RSD	.6245	.1519	.2045	.1703	.3382	4.637	11.24
#1	1.479	1.460	1.479	.5233	5.345	.0149	.0039
#2	1.492	1.456	1.475	.5220	5.371	.0159	.0046

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**84884.**	**23944.**	**1129.0**	**3903.1**
Stddev	111.	91.	.3	1.0
%RSD	.13114	.37869	.02934	.02479
#1	84805.	24008.	1128.7	3902.4
#2	84962.	23880.	1129.2	3903.8

Zoom In Zoom Out

Sample Name: jb98772-1 Acquired: 7/15/2015 17:22:13 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0194**	**.0001**	**.0030**	**.0044**	**.0207**	**.1080**	**.9128**	**.0063**
Stddev	.0002	.0000	.0002	.0002	.0001	.0000	.0008	.0002
%RSD	1.081	29.46	6.613	5.672	.5148	.0007	.0844	2.523
#1	.0195	.0001	.0029	.0042	.0207	.1080	.9133	.0064
#2	.0192	.0001	.0031	.0045	.0206	.1080	.9122	.0061

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0014**	**.0029**	**.2336**	**.0567**	F **-.0665**	**.0028**	**.4783**	**.0332**
Stddev	.0005	.0003	.0004	.0007	.0007	.0009	.0051	.0015
%RSD	35.81	9.855	.1730	1.244	.9978	33.25	1.071	4.644
#1	.0018	.0027	.2339	.0572	-.0660	.0034	.4747	.0343
#2	.0010	.0031	.2333	.0562	-.0670	.0021	.4820	.0321

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2380**	**26.25**	**1.187**	**10.26**	F **904.9**	**167.0**	F **78.90**	**.0232**
Stddev	.0011	.06	.002	.00	.2	.5	.04	.0001
%RSD	.4696	.2467	.1567	.0188	.0258	.2902	.0510	.4185
#1	.2372	26.30	1.186	10.26	905.1	167.3	78.93	.0231
#2	.2388	26.21	1.188	10.27	904.7	166.6	78.87	.0232

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0021**	**4.769**	**.0885**	**.0392**	**.0043**	**-.0473**	**.0019**	**6.702**
Stddev	.0007	.004	.0011	.0001	.0001	.0007	.0003	.022
%RSD	33.04	.0869	1.232	.1343	2.064	1.536	14.33	.3295
#1	-.0026	4.772	.0878	.0393	.0042	-.0478	.0021	6.686
#2	-.0016	4.766	.0893	.0392	.0043	-.0468	.0017	6.717

Elem	Bi2230	Li6707
Avg	**.0041**	**.0074**
Stddev	.0013	.0007
%RSD	32.82	9.037
#1	.0050	.0078
#2	.0031	.0069

Zoom In Zoom Out

Sample Name: jb98772-1 Acquired: 7/15/2015 17:22:13 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81649.**	**23978.**	**1082.8**	**3836.1**
Stddev	59.	40.	1.0	1.2
%RSD	.07245	.16824	.08984	.03248
#1	81691.	24007.	1083.5	3835.2
#2	81607.	23950.	1082.1	3837.0

Zoom In Zoom Out

Sample Name: mp87627-sd1 Acquired: 7/15/2015 17:28:25 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0187**	**.0007**	**.0028**	**.0049**	**.0197**	**.1570**	**.9253**	**.0080**
Stddev	.0002	.0005	.0005	.0006	.0012	.0013	.0004	.0018
%RSD	1.200	67.60	18.49	11.51	5.960	.8129	.0442	22.42
#1	.0189	.0010	.0032	.0045	.0188	.1579	.9250	.0093
#2	.0185	.0004	.0025	.0053	.0205	.1561	.9256	.0068

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0027**	**.0036**	**.2375**	**.0540**	F **-.0430**	**.0073**	**.3880**	**.0557**
Stddev	.0003	.0013	.0020	.0081	.0205	.0020	.0063	.0069
%RSD	11.87	36.36	.8510	15.05	47.70	28.04	1.633	12.42
#1	.0029	.0027	.2360	.0483	-.0574	.0087	.3925	.0508
#2	.0025	.0045	.2389	.0598	-.0285	.0058	.3835	.0606

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2499**	**26.87**	**1.221**	**11.17**	**963.6**	**172.6**	**81.39**	**.0217**
Stddev	.0624	.02	.007	.01	.8	.6	.17	.0004
%RSD	24.98	.0815	.6124	.0592	.0846	.3379	.2129	1.729
#1	.2058	26.85	1.226	11.17	963.0	172.1	81.27	.0214
#2	.2941	26.88	1.215	11.17	964.2	173.0	81.52	.0219

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0032**	**4.900**	**.0628**	**.0384**	**.0047**	**-.0440**	**.0065**	**7.136**
Stddev	.0026	.019	.0094	.0005	.0004	.0084	.0001	.012
%RSD	80.26	.3890	15.00	1.349	7.807	19.09	1.610	.1702
#1	.0014	4.887	.0694	.0388	.0044	-.0381	.0066	7.127
#2	.0050	4.914	.0561	.0380	.0049	-.0499	.0065	7.144

Elem	Bi2230	Li6707
Avg	**.0065**	**.0096**
Stddev	.0002	.0037
%RSD	2.373	38.19
#1	.0066	.0122
#2	.0064	.0070

Zoom In Zoom Out

Sample Name: mp87627-sd1 Acquired: 7/15/2015 17:28:25 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89327.**	**23761.**	**1227.7**	**4024.5**
Stddev	111.	1.	3.2	8.7
%RSD	.12407	.00289	.25825	.21571
#1	89405.	23762.	1230.0	4030.6
#2	89249.	23761.	1225.5	4018.3

Zoom In Zoom Out

Sample Name: jb98772-2 Acquired: 7/15/2015 17:34:27 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0195**	**.0000**	**.0030**	**.0048**	**.0222**	**.1172**	**.9819**	**.0059**
Stddev	.0001	.000	.0002	.0004	.0001	.0003	.0001	.0005
%RSD	.2663	7.777	5.789	7.759	.4285	.2154	.0151	9.204
#1	.0195	.0000	.0031	.0050	.0221	.1174	.9820	.0063
#2	.0196	.0000	.0029	.0045	.0223	.1171	.9818	.0056

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0014**	**.0033**	**.2468**	**.0550**	F **-.0768**	**-.0014**	**.5363**	**.0343**
Stddev	.0001	.0002	.0010	.0006	.0004	.0010	.0033	.0027
%RSD	10.99	5.890	.3914	1.047	.4623	73.95	.6181	7.918
#1	.0013	.0031	.2475	.0546	-.0770	-.0021	.5340	.0323
#2	.0015	.0034	.2461	.0554	-.0765	-.0007	.5387	.0362

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2347**	**27.61**	**1.188**	**10.89**	F **966.1**	**179.0**	F **85.48**	**.0253**
Stddev	.0049	.03	.005	.00	4.8	.0	.21	.0000
%RSD	2.096	.1202	.4596	.0436	.4971	.0196	.2480	.1353
#1	.2312	27.59	1.191	10.89	969.5	179.0	85.63	.0252
#2	.2382	27.64	1.184	10.90	962.7	179.0	85.33	.0253

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**-.0014**	**5.229**	**.1007**	**.0412**	**.0051**	F **-.0531**	**.0025**	**7.219**
Stddev	.0029	.020	.0006	.0002	.0005	.0011	.0001	.025
%RSD	203.1	.3889	.6434	.5355	9.959	2.016	4.636	.3527
#1	-.0035	5.244	.1003	.0414	.0047	-.0538	.0026	7.237
#2	.0006	5.215	.1012	.0411	.0055	-.0523	.0024	7.201

Elem	Bi2230	Li6707
Avg	**.0007**	**.0063**
Stddev	.0009	.0006
%RSD	125.4	8.854
#1	.0001	.0059
#2	.0013	.0067

Zoom In Zoom Out

Sample Name: jb98772-2 Acquired: 7/15/2015 17:34:27 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81398.**	**24108.**	**1070.0**	**3811.4**
Stddev	137.	39.	2.3	3.1
%RSD	.16890	.16338	.21583	.08040
#1	81301.	24081.	1068.4	3809.3
#2	81496.	24136.	1071.7	3813.6

Zoom In Zoom Out

Sample Name: mp87627-ps1 Acquired: 7/15/2015 17:40:36 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**4.913**	**.0994**	**.1034**	**.4518**	**.5131**	**.5501**	**1.296**	**.4443**	**.0964**
Stddev	.056	.0000	.0003	.0002	.0002	.0017	.004	.0011	.0000
%RSD	1.133	.0290	.2804	.0421	.0479	.3138	.2683	.2569	.0168
#1	4.953	.0994	.1032	.4520	.5133	.5489	1.299	.4451	.0964
#2	4.874	.0994	.1036	.4517	.5129	.5514	1.294	.4435	.0964

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.4960**	**.7349**	**.1805**	**.0236**	**.0771**	**1.271**	**.5377**	**4.730**	**111.7**
Stddev	.0020	.0019	.0036	.0034	.0004	.000	.0001	.001	.2
%RSD	.4097	.2596	1.978	14.36	.4587	.0268	.0168	.0167	.1853
#1	.4975	.7336	.1830	.0260	.0774	1.271	.5377	4.730	111.6
#2	.4946	.7363	.1780	.0212	.0769	1.271	.5378	4.729	111.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**5.560**	**93.34**	F **926.0**	**243.2**	F **72.54**	**.5416**	**.0022**	**4.436**	**.4788**
Stddev	.009	.13	3.1	1.4	.17	.0010	.0001	.019	.0007
%RSD	.1570	.1418	.3399	.5803	.2364	.1861	6.584	.4342	.1524
#1	5.566	93.24	928.2	244.2	72.66	.5424	.0023	4.450	.4794
#2	5.554	93.43	923.8	242.2	72.42	.5409	.0021	4.422	.4783

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5253**	**.4847**	**-.0413**	**-.0004**	**6.197**	**.0071**	**.0069**
Stddev	.0001	.0031	.0001	.0001	.007	.0012	.0000
%RSD	.0261	.6346	.2761	32.15	.1192	16.73	.1173
#1	.5254	.4869	-.0414	-.0003	6.202	.0063	.0069
#2	.5252	.4825	-.0412	-.0005	6.192	.0080	.0069

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**81893.**	**23878.**	**1073.0**	**3747.8**
Stddev	221.	36.	.2	9.2
%RSD	.26953	.15266	.01398	.24487
#1	81737.	23903.	1073.1	3754.2
#2	82049.	23852.	1072.9	3741.3

Zoom In Zoom Out

Sample Name: jb98414-8f Acquired: 7/15/2015 17:47:22 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1902**	**.0006**	**.0012**	**.0314**	**-.0014**	**.0095**	**26.70**	**.0043**	**.0036**
Stddev	.0009	.0001	.0003	.0013	.0004	.0014	.02	.0006	.0006
%RSD	.4528	13.95	24.94	4.068	31.37	15.17	.0755	13.38	16.05
#1	.1908	.0006	.0014	.0323	-.0017	.0085	26.68	.0047	.0032
#2	.1896	.0005	.0010	.0305	-.0011	.0106	26.71	.0039	.0040

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0143**	**.0265**	**.0042**	**.0147**	**.0549**	**.0071**	**.0165**	**.0383**	**59.08**
Stddev	.0010	.0001	.0029	.0006	.0058	.0046	.0015	.0087	.14
%RSD	6.678	.4047	70.35	4.310	10.58	65.18	9.097	22.64	.2363
#1	.0150	.0265	.0021	.0151	.0508	.0104	.0176	.0444	59.18
#2	.0136	.0266	.0063	.0143	.0590	.0038	.0155	.0322	58.98

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.81**	**33.48**	**5.060**	**191.1**	**.4120**	**-.0007**	**.0027**	**7.243**	**.0008**
Stddev	.01	.08	.075	.5	.0242	.0011	.0065	.026	.0018
%RSD	.0560	.2338	1.473	.2576	5.879	149.8	237.9	.3556	223.6
#1	18.82	33.54	5.113	191.4	.4291	-.0015	-.0019	7.225	-.0005
#2	18.80	33.43	5.007	190.7	.3949	.0000	.0073	7.261	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2805**	**-.0010**	**-.0054**	**-.0028**	**19.75**	**.0064**	**.0055**
Stddev	.0009	.0012	.0017	.0001	.05	.0023	.0011
%RSD	.3053	112.6	31.83	2.381	.2597	36.29	19.77
#1	.2811	-.0002	-.0042	-.0028	19.71	.0080	.0048
#2	.2799	-.0018	-.0066	-.0029	19.78	.0048	.0063

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91162.**	**23785.**	**1276.7**	**4021.4**
Stddev	116.	40.	2.0	6.3
%RSD	.12671	.16923	.15954	.15785
#1	91244.	23756.	1275.3	4016.9
#2	91081.	23813.	1278.1	4025.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 17:53:29 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.869**	**1.867**	**1.908**	**1.933**	**1.939**	**1.851**	**1.938**	**1.952**	**.2346**
Stddev	.004	.003	.033	.029	.002	.004	.001	.029	.0001
%RSD	.1853	.1823	1.743	1.482	.1045	.2266	.0306	1.498	.0290
#1	1.866	1.869	1.932	1.953	1.941	1.848	1.937	1.973	.2346
#2	1.871	1.864	1.885	1.912	1.938	1.854	1.938	1.931	.2347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.916**	**1.956**	**1.885**	**2.013**	**1.951**	**1.923**	**1.915**	**36.45**	**37.52**
Stddev	.004	.036	.032	.029	.025	.033	.037	.06	.07
%RSD	.2064	1.841	1.686	1.418	1.284	1.705	1.929	.1585	.1767
#1	1.914	1.982	1.907	2.033	1.968	1.946	1.941	36.49	37.57
#2	1.919	1.931	1.862	1.993	1.933	1.900	1.889	36.41	37.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.42**	**36.54**	F **35.93**	**36.35**	**1.978**	**1.933**	**1.900**	**4.715**	**1.941**
Stddev	.12	.14	.08	.07	.033	.032	.000	.071	.036
%RSD	.3261	.3787	.2276	.1833	1.646	1.639	.0011	1.516	1.843
#1	37.51	36.64	35.99	36.30	2.001	1.956	1.900	4.766	1.966
#2	37.33	36.44	35.87	36.40	1.955	1.911	1.900	4.665	1.916
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			40.00						
Range			-10.00%						

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 17:53:29 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.885**	**1.938**	**1.921**	**1.908**	**1.861**	**1.903**	**1.808**
Stddev	.002	.004	.040	.004	.020	.030	.003
%RSD	.0955	.2123	2.084	.2209	1.090	1.596	.1747
#1	1.884	1.941	1.949	1.905	1.875	1.925	1.805
#2	1.886	1.935	1.892	1.911	1.846	1.882	1.810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90750.**	**23603.**	**1266.5**	**3946.7**
Stddev	64.	191.	18.4	48.9
%RSD	.07062	.80883	1.4533	1.2387
#1	90795.	23468.	1253.5	3912.1
#2	90705.	23738.	1279.5	3981.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 18:07:21 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0000**	**-.0001**	**.0000**	**.0002**	**-.0011**	**.0001**	**.0000**
Stddev	.0001	.0000	.0002	.0000	.0005	.0003	.0001	.000
%RSD	39.96	136.9	219.2	167.9	308.0	24.21	55.48	4019.
#1	-.0003	.0000	.0000	.0001	-.0002	-.0013	.0001	.0003
#2	-.0002	.0000	-.0002	.0000	.0005	-.0009	.0001	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0002**	**.0000**	**.0007**	**.0004**	**.0013**	**.0002**	**-.0006**
Stddev	.0002	.0001	.000	.0002	.0005	.0003	.0024	.0017
%RSD	117.3	24.47	112800.	21.72	130.2	22.02	1442.	290.9
#1	.0003	.0003	.0002	.0008	.0008	.0011	.0018	.0006
#2	.0000	.0002	-.0002	.0006	.0000	.0015	-.0015	-.0017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0042**	**-.0007**	**.0020**	**.0260**	**.0792**	**.0077**	W **.0453**	**.0001**
Stddev	.0148	.0036	.0004	.0029	.0020	.0012	.0012	.0003
%RSD	355.5	483.7	21.79	11.10	2.535	15.64	2.706	192.4
#1	.0146	.0018	.0017	.0240	.0778	.0069	.0462	.0003
#2	-.0063	-.0033	.0023	.0280	.0806	.0086	.0445	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.0100	
Low Limit							-.0100	

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 18:07:21 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0000**	**.0003**	**.0001**	**.0003**	**-.0003**	**.0002**	**-.0002**
Stddev	.0021	.000	.0004	.0000	.0004	.0002	.0002	.0039
%RSD	135.5	401.6	122.4	7.668	133.1	66.97	128.5	1960.
#1	.0001	-.0001	.0000	.0001	.0000	-.0002	.0003	.0026
#2	.0030	.0001	.0006	.0001	.0006	-.0004	.0000	-.0030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0013**	**-.0006**
Stddev	.0022	.0004
%RSD	164.7	65.92
#1	-.0002	-.0008
#2	.0029	-.0003
Check ?	Chk Pass	Chk Pass
High Limit		
Low Limit		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93924.**	**23785.**	**1316.7**	**4190.1**
Stddev	67.	58.	3.0	7.3
%RSD	.07185	.24434	.22875	.17395
#1	93876.	23826.	1318.8	4195.2
#2	93971.	23743.	1314.5	4184.9

Zoom In Zoom Out

Sample Name: mp87585-mb1conf Acquired: 7/15/2015 18:13:25 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0000**	**-.0001**	**-.0001**	**-.0002**	**.0001**	**-.0011**	**.0000**	**-.0026**	**.0002**
Stddev	.000	.0001	.0001	.0000	.0000	.0001	.0000	.0000	.0005
%RSD	401.9	42.18	75.38	22.29	71.86	11.83	1644.	.9935	276.1
#1	-.0001	-.0001	.0000	-.0002	.0001	-.0012	.0000	-.0026	.0006
#2	.0000	-.0002	-.0001	-.0002	.0000	-.0010	.0000	-.0026	-.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0007**	**.0001**	**.0009**	**.0007**	**.0006**	**.0000**	**.0082**	**.0200**
Stddev	.0004	.0001	.0005	.0001	.0007	.0022	.0024	.0021	.0014
%RSD	145.3	15.49	465.3	10.87	107.2	399.1	6361.	25.76	6.878
#1	.0005	.0006	.0005	.0009	.0002	.0021	.0018	.0097	.0190
#2	.0000	.0008	-.0003	.0010	.0012	-.0010	-.0017	.0067	.0210

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0001**	**.0107**	**.0701**	**.0192**	**.0348**	**.0001**	**-.0010**	**.0108**	**.0002**
Stddev	.0004	.0175	.0027	.0096	.0007	.0002	.0003	.0015	.0001
%RSD	273.2	163.8	3.881	50.12	1.967	267.7	29.91	14.05	54.51
#1	-.0001	-.0017	.0721	.0260	.0353	-.0001	-.0008	.0098	.0003
#2	.0004	.0230	.0682	.0124	.0343	.0002	-.0012	.0119	.0001

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0001**	**.0003**	**-.0006**	**.0004**	**.0038**	**-.0003**	**-.0005**
Stddev	.0001	.0002	.0013	.0000	.0020	.0006	.0009
%RSD	83.24	57.15	212.0	2.432	53.14	207.1	191.9
#1	.0001	.0002	-.0016	.0004	.0024	-.0007	-.0011
#2	.0000	.0005	.0003	.0004	.0052	.0001	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94279.**	**23640.**	**1304.7**	**4172.2**
Stddev	185.	5.	6.7	23.1
%RSD	.19655	.02323	.51021	.55339
#1	94148.	23644.	1300.0	4155.9
#2	94410.	23636.	1309.5	4188.5

Zoom In Zoom Out

Sample Name: jb98414-8f Acquired: 7/15/2015 18:19:27 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1910**	**.0005**	**.0012**	**.0320**	**-.0011**	**.0078**	**26.53**	**-.0046**	**.0033**
Stddev	.0010	.0000	.0005	.0002	.0001	.0002	.15	.0001	.0004
%RSD	.5465	1.174	38.21	.5450	6.604	2.286	.5505	3.123	12.13
#1	.1902	.0005	.0009	.0318	-.0011	.0077	26.43	-.0045	.0036
#2	.1917	.0005	.0015	.0321	-.0012	.0079	26.63	-.0047	.0030

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0143**	**.0248**	**.0027**	**.0175**	**.0552**	**.0031**	**-.0018**	**.0553**	**59.14**
Stddev	.0001	.0012	.0022	.0048	.0056	.0054	.0006	.0189	.11
%RSD	.7031	5.036	79.45	27.67	10.23	173.4	31.17	34.17	.1820
#1	.0142	.0257	.0043	.0209	.0591	-.0007	-.0014	.0686	59.06
#2	.0144	.0239	.0012	.0141	.0512	.0070	-.0022	.0419	59.21

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.89**	**33.97**	**4.552**	**189.7**	**.0777**	**-.0017**	**.0048**	**7.186**	**-.0046**
Stddev	.03	.01	.022	.1	.0012	.0000	.0007	.126	.0011
%RSD	.1386	.0432	.4895	.0469	1.598	.5968	14.36	1.759	24.29
#1	18.91	33.98	4.536	189.6	.0786	-.0017	.0053	7.276	-.0054
#2	18.87	33.96	4.568	189.8	.0768	-.0017	.0043	7.097	-.0038

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2808**	**.0000**	**-.0045**	**-.0023**	**20.31**	**.0019**	**.0030**
Stddev	.0001	.0004	.0019	.0001	.36	.0015	.0004
%RSD	.0292	1240.	41.72	6.271	1.783	80.07	13.42
#1	.2808	-.0003	-.0058	-.0022	20.57	.0008	.0027
#2	.2807	.0003	-.0032	-.0024	20.06	.0030	.0033

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92079.**	**23542.**	**1279.6**	**4008.0**
Stddev	240.	34.	21.9	62.8
%RSD	.26052	.14598	1.7115	1.5675
#1	91909.	23567.	1264.1	3963.6
#2	92249.	23518.	1295.1	4052.4

Zoom In Zoom Out

Sample Name: mp87627-sd1 Acquired: 7/15/2015 18:25:32 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0186**	**-.0003**	**.0021**	**.0040**	**.0172**	**.1050**	**.9203**	**-.0066**
Stddev	.0008	.0003	.0006	.0016	.0016	.0018	.0027	.0012
%RSD	4.134	112.0	27.18	39.59	9.215	1.725	.2897	18.56
#1	.0181	-.0005	.0017	.0029	.0160	.1038	.9184	-.0075
#2	.0192	-.0001	.0025	.0051	.0183	.1063	.9222	-.0057

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0008**	**.0035**	**.2208**	**.0511**	F **-.0222**	**.0070**	**.3761**	**.0273**
Stddev	.0020	.0015	.0016	.0062	.0089	.0044	.0085	.0037
%RSD	242.4	42.59	.7399	12.10	40.15	62.40	2.266	13.60
#1	-.0006	.0024	.2219	.0555	-.0159	.0101	.3701	.0247
#2	.0022	.0045	.2196	.0467	-.0285	.0039	.3821	.0299

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.2896**	**27.21**	**1.221**	**11.35**	**965.6**	**172.0**	**79.42**	**.0205**
Stddev	.0049	.10	.002	.02	1.2	.0	.18	.0002
%RSD	1.683	.3599	.1805	.1374	.1214	.0257	.2295	.7511
#1	.2930	27.28	1.222	11.34	966.4	172.1	79.29	.0204
#2	.2861	27.14	1.219	11.36	964.8	172.0	79.55	.0206

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0002**	**4.813**	**.0613**	**.0381**	**.0060**	**-.0392**	**.0162**	**7.260**
Stddev	.0013	.011	.0061	.0001	.0012	.0028	.0019	.037
%RSD	587.1	.2177	9.944	.3214	20.42	7.239	11.76	.5069
#1	.0011	4.805	.0656	.0380	.0052	-.0412	.0175	7.234
#2	-.0007	4.820	.0570	.0382	.0069	-.0372	.0148	7.286

Elem	Bi2230	Li6707
Avg	**.0018**	**.0046**
Stddev	.0038	.0023
%RSD	213.9	49.06
#1	.0044	.0030
#2	-.0009	.0062

Zoom In Zoom Out

Sample Name: mp87627-sd1 Acquired: 7/15/2015 18:25:32 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91558.**	**23818.**	**1255.1**	**4094.3**
Stddev	256.	91.	2.6	.5
%RSD	.27924	.38092	.20500	.01271
#1	91739.	23754.	1256.9	4093.9
#2	91377.	23882.	1253.3	4094.6

Zoom In Zoom Out

Sample Name: mp87664-b1 2 Acquired: 7/15/2015 18:31:33 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.789**	**1.826**	**1.829**	**1.877**	**1.881**	**1.693**	**1.856**	**1.899**	**.2239**
Stddev	.005	.007	.001	.004	.000	.005	.004	.003	.0019
%RSD	.3053	.3952	.0408	.2393	.0029	.2824	.2021	.1444	.8670
#1	1.785	1.820	1.830	1.874	1.881	1.689	1.859	1.897	.2252
#2	1.792	1.831	1.829	1.880	1.881	1.696	1.854	1.901	.2225

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.839**	**1.909**	**1.786**	**1.901**	**1.902**	**1.815**	**1.774**	**22.53**	**23.06**
Stddev	.000	.004	.006	.013	.004	.014	.001	.18	.09
%RSD	.0190	.2144	.3204	.6681	.2227	.7883	.0359	.8105	.3834
#1	1.840	1.906	1.782	1.892	1.899	1.805	1.774	22.40	22.99
#2	1.839	1.911	1.790	1.910	1.905	1.825	1.775	22.66	23.12

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.07**	**22.49**	**25.33**	**1204.**	**2.022**	**1.839**	**1.708**	**.6866**	**1.824**
Stddev	.04	.08	.21	5.	.013	.002	.010	.0060	.001
%RSD	.1597	.3406	.8327	.3767	.6351	.0952	.5944	.8680	.0699
#1	22.04	22.44	25.18	1201.	2.031	1.838	1.715	.6908	1.823
#2	22.09	22.54	25.48	1207.	2.013	1.840	1.701	.6824	1.825

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.834**	**1.829**	**1.794**	**1.805**	**.1548**	**.0179**	**.0158**
Stddev	.003	.003	.005	.003	.0061	.0040	.0060
%RSD	.1832	.1500	.2561	.1500	3.929	22.58	38.03
#1	1.832	1.831	1.797	1.803	.1591	.0207	.0200
#2	1.836	1.827	1.791	1.807	.1505	.0150	.0115

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91085.**	**23511.**	**1289.3**	**3908.6**
Stddev	108.	125.	2.2	6.5
%RSD	.11880	.53167	.16772	.16692
#1	91009.	23600.	1290.8	3913.2
#2	91162.	23423.	1287.7	3904.0

Zoom In Zoom Out

Sample Name: mp87664-mb1 2 Acquired: 7/15/2015 18:37:32 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: tclp

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0018**	**-.0003**	**-.0004**	**.0012**	**-.0020**	**.0017**	**.0018**	**-.0156**	**.0016**
Stddev	.0001	.0002	.0003	.0009	.0010	.0023	.0003	.0027	.0021
%RSD	7.053	64.95	86.86	77.60	48.68	135.5	14.31	17.47	129.9
#1	.0019	-.0001	-.0006	.0018	-.0028	.0001	.0016	-.0175	.0001
#2	.0017	-.0004	-.0001	.0005	-.0013	.0033	.0020	-.0136	.0031

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0022**	**.0036**	**-.0043**	**.0014**	**.0041**	**.0032**	**-.0079**	**.0962**	**.3003**
Stddev	.0002	.0011	.0010	.0069	.0030	.0037	.0076	.0108	.0026
%RSD	7.802	31.09	23.77	479.8	71.56	114.3	96.12	11.23	.8583
#1	.0021	.0028	-.0051	-.0035	.0020	.0006	-.0025	.1039	.2985
#2	.0024	.0044	-.0036	.0063	.0062	.0058	-.0133	.0886	.3022

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0245**	**.1407**	**2.585**	**1210.**	**.2214**	**-.0009**	**.0020**	**.3442**	**.0000**
Stddev	.0011	.0480	.101	5.	.0036	.0007	.0015	.0081	.001
%RSD	4.586	34.14	3.915	.3762	1.637	77.03	75.29	2.350	1684.
#1	.0253	.1746	2.513	1207.	.2240	-.0004	.0031	.3500	-.0006
#2	.0237	.1067	2.656	1213.	.2189	-.0013	.0009	.3385	.0005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0160**	**.0103**	**-.0112**	**.0028**	**.2629**	**.0079**	**.0182**
Stddev	.0006	.0014	.0048	.0007	.0173	.0027	.0014
%RSD	3.685	13.53	43.13	25.10	6.588	34.62	7.719
#1	.0156	.0093	-.0078	.0033	.2751	.0098	.0172
#2	.0165	.0113	-.0147	.0023	.2506	.0059	.0192

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90297.**	**23629.**	**1277.0**	**3893.6**
Stddev	168.	59.	3.6	6.3
%RSD	.18599	.24882	.28328	.16226
#1	90416.	23587.	1274.5	3889.2
#2	90178.	23670.	1279.6	3898.1

Zoom In Zoom Out

Sample Name: d72629-1 Acquired: 7/15/2015 18:43:39 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1188**	**-.0001**	**.0006**	**.0021**	**.0001**	**.0001**	**.2752**	**-.0013**	**.0009**
Stddev	.0001	.0002	.0007	.0010	.0021	.0015	.0168	.0024	.0014
%RSD	.1027	110.5	106.7	45.75	4175.	1675.	6.103	184.3	159.5
#1	.1189	-.0003	.0011	.0028	-.0015	.0011	.2871	.0004	-.0001
#2	.1187	.0000	.0002	.0014	.0016	-.0010	.2633	-.0030	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0027**	**.0439**	**-.0018**	**.0006**	**.0043**	**.0156**	**-.0118**	**.8587**	**11.18**
Stddev	.0014	.0005	.0060	.0040	.0000	.0030	.0009	.0225	.01
%RSD	52.51	1.206	328.9	687.4	.2297	19.61	7.350	2.617	.0807
#1	.0017	.0443	-.0061	-.0023	.0043	.0134	-.0112	.8746	11.18
#2	.0037	.0435	.0024	.0034	.0043	.0177	-.0124	.8428	11.19

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**7.252**	**2.466**	**3.416**	**1176.**	**.2864**	**-.0013**	**.0005**	**1.775**	**-.0043**
Stddev	.025	.123	.143	8.	.0049	.0002	.0112	.004	.0005
%RSD	.3447	4.993	4.179	.6761	1.713	18.40	2269.	.2438	10.82
#1	7.270	2.379	3.315	1170.	.2898	-.0012	-.0074	1.772	-.0040
#2	7.234	2.553	3.516	1182.	.2829	-.0015	.0084	1.778	-.0047

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0916**	**.0098**	**-.0088**	**.0026**	**4.563**	**.0080**	**.0149**
Stddev	.0000	.0007	.0081	.0009	.021	.0012	.0031
%RSD	.0466	6.782	92.56	33.09	.4656	14.98	20.88
#1	.0915	.0093	-.0030	.0020	4.578	.0072	.0127
#2	.0916	.0103	-.0146	.0033	4.548	.0088	.0171

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87530.**	**23725.**	**1281.8**	**3903.1**
Stddev	4492.	17.	3.4	6.1
%RSD	5.1322	.07091	.26225	.15566
#1	84354.	23714.	1284.2	3907.4
#2	90706.	23737.	1279.4	3898.8

Zoom In Zoom Out

Sample Name: d72630-1 Acquired: 7/15/2015 18:49:48 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3282**	**-.0003**	**-.0001**	**-.0011**	**-.0027**	**-.0016**	**.0332**	**-.0066**	**.0008**
Stddev	.0024	.0002	.0015	.0008	.0007	.0006	.0002	.0016	.0009
%RSD	.7384	49.53	2198.	72.87	25.84	37.17	.6256	24.06	112.0
#1	.3299	-.0002	-.0011	-.0017	-.0022	-.0021	.0333	-.0077	.0015
#2	.3265	-.0005	.0010	-.0006	-.0032	-.0012	.0330	-.0055	.0002

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0016**	**.0115**	**-.0024**	**.0123**	**.0128**	**-.0087**	**-.0061**	**.0579**	**37.84**
Stddev	.0000	.0012	.0023	.0058	.0003	.0088	.0062	.0571	.04
%RSD	.2208	10.66	94.25	46.93	2.085	101.3	101.9	98.66	.1117
#1	-.0016	.0106	-.0008	.0082	.0126	-.0025	-.0105	.0175	37.81
#2	-.0016	.0123	-.0041	.0164	.0130	-.0149	-.0017	.0983	37.87

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0319**	**5.202**	**2.918**	**1325.**	**.2788**	**-.0011**	**-.0012**	**2.384**	**.0001**
Stddev	.0105	.070	.172	2.	.0051	.0022	.0034	.063	.0028
%RSD	33.03	1.354	5.901	.1175	1.837	201.4	286.1	2.638	3177.
#1	.0393	5.152	3.040	1324.	.2752	.0005	.0012	2.340	-.0019
#2	.0244	5.252	2.796	1327.	.2825	-.0027	-.0036	2.429	.0020

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2389**	**.0033**	**-.0117**	**.0011**	**3.118**	**.0043**	**.0088**
Stddev	.0000	.0033	.0010	.0001	.052	.0011	.0001
%RSD	.0062	99.51	8.518	4.526	1.666	26.08	.9651
#1	.2389	.0057	-.0124	.0012	3.081	.0035	.0088
#2	.2389	.0010	-.0110	.0011	3.154	.0051	.0087

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89905.**	**23871.**	**1267.8**	**3853.2**
Stddev	174.	10.	22.4	68.0
%RSD	.19342	.04022	1.7660	1.7641
#1	90028.	23878.	1283.7	3901.3
#2	89782.	23865.	1252.0	3805.2

Zoom In Zoom Out

Sample Name: mp87664-s1 Acquired: 7/15/2015 18:55:55 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.063**	**1.821**	**1.858**	**1.912**	**1.891**	**1.705**	**2.258**	**1.944**	**.2277**
Stddev	.001	.005	.005	.006	.006	.009	.015	.006	.0018
%RSD	.0516	.2575	.2630	.3328	.3365	.5339	.6570	.2863	.7785
#1	2.064	1.818	1.855	1.907	1.887	1.699	2.247	1.940	.2264
#2	2.062	1.824	1.862	1.916	1.896	1.711	2.268	1.948	.2289

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.873**	**1.982**	**1.819**	**1.952**	**1.935**	**1.863**	**1.812**	**23.20**	**157.6**
Stddev	.014	.006	.004	.019	.004	.012	.010	.13	.4
%RSD	.7701	.3162	.2325	.9774	.2116	.6332	.5389	.5421	.2397
#1	1.862	1.978	1.822	1.938	1.932	1.855	1.805	23.29	157.4
#2	1.883	1.987	1.816	1.965	1.938	1.871	1.818	23.11	157.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.18**	**30.74**	**27.43**	**1470.**	**2.042**	**1.858**	**1.727**	**10.05**	**1.838**
Stddev	.14	.07	.09	1.	.001	.005	.014	.05	.002
%RSD	.6360	.2282	.3304	.0728	.0573	.2491	.8193	.5024	.0897
#1	22.08	30.69	27.37	1469.	2.043	1.855	1.716	10.02	1.837
#2	22.28	30.79	27.50	1471.	2.041	1.861	1.737	10.09	1.839

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.234**	**1.876**	**1.828**	**1.821**	**3.638**	**.0200**	**.0140**
Stddev	.000	.022	.010	.013	.019	.0004	.0063
%RSD	.0027	1.165	.5376	.6914	.5215	1.881	45.30
#1	2.234	1.860	1.821	1.812	3.625	.0202	.0185
#2	2.234	1.891	1.835	1.830	3.651	.0197	.0095

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90631.**	**23694.**	**1277.2**	**3838.2**
Stddev	529.	131.	3.6	8.4
%RSD	.58371	.55353	.28083	.21806
#1	91005.	23787.	1279.7	3844.1
#2	90257.	23602.	1274.6	3832.3

Zoom In Zoom Out

Sample Name: mp87664-s2 Acquired: 7/15/2015 19:01:55 Type: Unk
Method: Accutest1(v201) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.067**	**1.833**	**1.890**	**1.946**	**1.903**	**1.711**	**2.268**	**1.976**	**.2301**
Stddev	.002	.002	.056	.055	.005	.002	.009	.054	.0023
%RSD	.0984	.0967	2.974	2.810	.2880	.1384	.4070	2.739	.9904
#1	2.065	1.832	1.850	1.907	1.906	1.709	2.275	1.938	.2285
#2	2.068	1.834	1.930	1.984	1.899	1.713	2.262	2.014	.2317

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.877**	**2.020**	**1.853**	**1.978**	**1.966**	**1.894**	**1.831**	**23.43**	**157.2**
Stddev	.008	.056	.066	.061	.052	.051	.051	.07	.1
%RSD	.4077	2.783	3.534	3.074	2.637	2.694	2.780	.3142	.0580
#1	1.883	1.980	1.807	1.935	1.929	1.858	1.795	23.38	157.2
#2	1.872	2.059	1.899	2.021	2.002	1.930	1.867	23.49	157.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.47**	**31.26**	**27.67**	**1462.**	**2.065**	**1.889**	**1.719**	**10.10**	**1.869**
Stddev	.01	.08	.21	4.	.053	.054	.029	.30	.067
%RSD	.0601	.2449	.7494	.2719	2.553	2.843	1.670	2.954	3.569
#1	22.48	31.32	27.53	1459.	2.028	1.851	1.739	9.889	1.822
#2	22.46	31.21	27.82	1465.	2.102	1.927	1.698	10.31	1.916

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.245**	**1.876**	**1.854**	**1.837**	**3.688**	**.0198**	**.0137**
Stddev	.003	.014	.054	.000	.142	.0013	.0037
%RSD	.1401	.7478	2.919	.0195	3.862	6.792	27.25
#1	2.243	1.885	1.816	1.837	3.587	.0207	.0163
#2	2.248	1.866	1.892	1.837	3.788	.0188	.0111

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	89964.	23579.	1258.4	3783.3
Stddev	330.	66.	30.9	86.9
%RSD	.36653	.27950	2.4522	2.2956
#1	89731.	23625.	1280.3	3844.7
#2	90197.	23532.	1236.6	3721.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 19:07:55 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.847**	**1.854**	**1.848**	**1.897**	**1.913**	**1.802**	**1.906**	**1.912**	**.2294**
Stddev	.006	.003	.004	.002	.003	.000	.008	.003	.0005
%RSD	.3092	.1345	.2403	.1016	.1728	.0046	.4001	.1354	.1999
#1	1.843	1.852	1.845	1.895	1.911	1.802	1.901	1.910	.2291
#2	1.851	1.855	1.852	1.898	1.916	1.802	1.911	1.914	.2297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.886**	**1.911**	**1.819**	**1.977**	**1.914**	**1.847**	**1.840**	**36.17**	**37.34**
Stddev	.007	.006	.001	.005	.002	.012	.002	.02	.07
%RSD	.3545	.3008	.0693	.2304	.1009	.6328	.0987	.0471	.1755
#1	1.881	1.907	1.818	1.974	1.912	1.839	1.839	36.16	37.29
#2	1.890	1.915	1.820	1.980	1.915	1.856	1.842	36.18	37.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.24**	**36.47**	F **35.55**	F **35.93**	**1.827**	**1.881**	**1.842**	**4.550**	**1.887**
Stddev	.04	.09	.08	.08	.001	.005	.006	.014	.002
%RSD	.1018	.2590	.2223	.2337	.0728	.2663	.3124	.3064	.1238
#1	37.21	36.40	35.49	35.87	1.826	1.877	1.838	4.540	1.886
#2	37.26	36.53	35.60	35.99	1.828	1.884	1.846	4.560	1.889
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			40.00	40.00					
Range			-10.00%	-10.00%					

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 19:07:55 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.865**	**1.904**	**1.867**	**1.893**	**1.836**	**1.832**	F **1.782**
Stddev	.003	.008	.001	.000	.008	.005	.001
%RSD	.1459	.4172	.0614	.0150	.4383	.2614	.0729
#1	1.863	1.899	1.866	1.892	1.831	1.828	1.781
#2	1.867	1.910	1.868	1.893	1.842	1.835	1.783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							2.000
Range							-10.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	91946.	23575.	1297.4	4003.5
Stddev	535.	38.	4.0	8.8
%RSD	.58168	.15989	.30861	.21866
#1	92324.	23602.	1300.2	4009.7
#2	91568.	23548.	1294.5	3997.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 19:14:22 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0000**	**-.0002**	**.0003**	**-.0002**	**-.0011**	**.0000**	**.0004**	**.0005**
Stddev	.0000	.000	.0001	.0002	.0001	.0003	.0001	.0001	.0001
%RSD	1.760	6026.	68.62	55.63	70.73	24.05	139.7	21.48	21.66
#1	-.0003	.0000	-.0001	.0002	-.0003	-.0009	.0000	.0004	.0004
#2	-.0003	.0000	-.0003	.0005	-.0001	-.0013	.0001	.0005	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0001**	**.0005**	**.0010**	**.0017**	**.0002**	**-.0007**	**.0039**	**.0020**
Stddev	.0003	.0002	.0010	.0024	.0004	.0005	.0000	.0020	.0041
%RSD	87.21	151.3	211.1	236.4	24.17	203.1	4.971	50.79	204.0
#1	.0001	.0000	-.0002	-.0007	.0014	-.0001	-.0007	.0053	.0049
#2	.0005	-.0003	.0012	.0027	.0020	.0005	-.0007	.0025	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0262**	**.0705**	**.0262**	**.0066**	**.0006**	**.0013**	**-.0011**	**-.0019**
Stddev	.0026	.0057	.0093	.0040	.0007	.0000	.0010	.0000	.0006
%RSD	1600.	21.80	13.16	15.43	11.19	6.380	78.67	2.097	32.71
#1	.0020	.0222	.0770	.0233	.0071	.0006	.0006	-.0011	-.0014
#2	-.0017	.0303	.0639	.0290	.0061	.0006	.0020	-.0010	-.0023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 19:14:22 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0002**	**-.0016**	**.0001**	**.0007**	**.0024**	**.0005**
Stddev	.0001	.0000	.0002	.0001	.0027	.0017	.0002
%RSD	98.65	8.373	12.19	38.39	407.3	72.64	37.45
#1	.0001	.0002	-.0014	.0001	-.0012	.0011	.0006
#2	.0000	.0002	-.0017	.0002	.0025	.0036	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94017.**	**23823.**	**1320.1**	**4195.1**
Stddev	314.	73.	.3	1.6
%RSD	.33346	.30816	.02448	.03807
#1	93795.	23771.	1319.9	4196.3
#2	94239.	23875.	1320.3	4194.0

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 19:22:21 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1856**	**.0019**	**.0028**	**.0516**	**.0104**	**.0094**	**.0152**	**.0099**
Stddev	.0008	.0000	.0000	.0015	.0005	.0001	.0000	.0004
%RSD	.4070	.8821	.4096	2.858	4.681	.6488	.3034	4.268
#1	.1850	.0019	.0028	.0506	.0101	.0094	.0151	.0096
#2	.1861	.0018	.0028	.0527	.0107	.0093	.0152	.0102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0050**	**.0496**	**.0228**	**.0087**	**.0108**	**.0033**	W **.0122**	**.0048**
Stddev	.0002	.0001	.0003	.0012	.0009	.0006	.0034	.0008
%RSD	4.718	.2993	1.198	13.52	7.915	18.11	28.24	17.25
#1	.0052	.0495	.0226	.0079	.0102	.0029	.0098	.0054
#2	.0049	.0497	.0230	.0096	.0114	.0037	.0146	.0043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value							.0100	
Range							20.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1956**	**4.631**	**.0939**	**4.457**	**4.360**	**4.360**	**.1008**	**.0196**
Stddev	.0026	.016	.0016	.029	.021	.006	.0041	.0008
%RSD	1.321	.3542	1.738	.6569	.4806	.1383	4.027	3.894
#1	.1974	4.619	.0951	4.436	4.375	4.364	.0979	.0191
#2	.1938	4.642	.0928	4.478	4.345	4.355	.1037	.0202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 19:22:21 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0473**	**.1856**	**.0105**	**.0098**	**.0102**	**.0499**	**.0095**	**.0514**
Stddev	.0002	.0083	.0006	.0001	.0001	.0012	.0001	.0053
%RSD	.5212	4.447	5.691	1.079	1.400	2.459	.7230	10.41
#1	.0472	.1798	.0109	.0097	.0103	.0490	.0095	.0476
#2	.0475	.1914	.0101	.0099	.0101	.0508	.0096	.0551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	**.0217**	**.0203**
Stddev	.0004	.0004
%RSD	1.966	1.727
#1	.0214	.0206
#2	.0220	.0201
Check ?	Chk Pass	Chk Pass
Value		
Range		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93574.**	**23795.**	**1293.2**	**4099.1**
Stddev	191.	134.	35.4	103.3
%RSD	.20455	.56441	2.7370	2.5207
#1	93709.	23890.	1318.2	4172.2
#2	93439.	23700.	1268.2	4026.0

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 19:28:23 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0033**	**.0009**	**.0009**	**.0031**	W **.0014**	F **.0006**	**.0029**	**.0032**
Stddev	.0001	.0000	.0001	.0002	.0002	.0002	.0001	.0002
%RSD	3.110	4.844	13.71	8.004	15.38	28.41	2.989	5.034
#1	.0032	.0009	.0008	.0032	.0012	.0007	.0029	.0034
#2	.0034	.0009	.0010	.0029	.0016	.0005	.0030	.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
Value					.0020	.0020		
Range					-20.00%	-30.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0022**	**.0021**	**.0111**	W **.0022**	W **.0025**	F **.0036**	F **.0030**	F **.0017**
Stddev	.0000	.0001	.0002	.0006	.0002	.0015	.0000	.0003
%RSD	.6202	4.785	2.080	26.01	8.118	42.25	1.258	16.87
#1	.0022	.0020	.0112	.0026	.0026	.0047	.0030	.0020
#2	.0022	.0022	.0109	.0018	.0024	.0025	.0030	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Fail	Chk Fail	Chk Fail
Value				.0030	.0020	.0025	.0050	.0030
Range				-20.00%	20.00%	30.00%	-30.00%	-30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0944**	**.9216**	**-.0010**	**.1136**	**1.706**	**.8691**	W **.0130**	**.0000**
Stddev	.0037	.0054	.0024	.0187	.005	.0004	.0007	.0001
%RSD	3.950	.5817	256.0	16.49	.2975	.0476	5.772	344.4
#1	.0970	.9178	.0008	.1268	1.710	.8694	.0135	.0001
#2	.0917	.9254	-.0027	.1003	1.703	.8688	.0124	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	None
Value							.0100	
Range							20.00%	

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 19:28:23 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0009**	**-.0015**	**.0019**	**.0000**	**.0007**	F **-.0014**	F **-.0001**	F **.0008**
Stddev	.0006	.0017	.0011	.000	.0003	.0007	.0000	.0004
%RSD	64.47	109.0	55.49	243.5	49.88	50.96	77.47	51.79
#1	.0005	-.0027	.0026	.0000	.0004	-.0019	-.0001	.0011
#2	.0013	-.0003	.0012	.0000	.0009	-.0009	.0000	.0005
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0012**	F **-.0008**
Stddev	.0011	.0001
%RSD	89.79	16.11
#1	.0004	-.0008
#2	.0020	-.0009
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94677.**	**23921.**	**1326.5**	**4202.9**
Stddev	91.	129.	2.0	7.4
%RSD	.09565	.53755	.15375	.17627
#1	94613.	24012.	1328.0	4208.2
#2	94741.	23830.	1325.1	4197.7

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 19:34:27 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**.0000**	**-.0001**	**-.0001**	**-.0005**	**-.0011**	**.0000**	**-.0012**	**.0001**
Stddev	.0002	.000	.0000	.0000	.0000	.0002	.0001	.0001	.0004
%RSD	92.20	65.72	7.315	13.26	7.759	16.49	272.8	8.040	278.1
#1	-.0001	.0000	-.0001	-.0001	-.0005	-.0010	.0001	-.0013	-.0001
#2	-.0003	.0000	-.0001	-.0001	-.0005	-.0013	.0000	-.0012	.0004
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0012**	**.0190**	**.0016**	**.0211**	**.0214**	**.0189**	**.4781**	**1.922**
Stddev	.001	.0003	.0011	.0020	.0009	.0025	.0008	.0012	.003
%RSD	1461.	22.87	5.972	127.1	4.401	11.87	4.368	.2411	.1515
#1	.0004	.0010	.0182	.0030	.0204	.0232	.0194	.4773	1.924
#2	-.0005	.0014	.0198	.0002	.0217	.0196	.0183	.4789	1.920
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4711**	**1.849**	**.0321**	**.0179**	**.0029**	**-.0003**	**.0003**	**-.0021**	**-.0002**
Stddev	.0009	.018	.0258	.0015	.0009	.0000	.0007	.0003	.0014
%RSD	.1994	.9457	80.51	8.360	31.06	3.325	238.3	14.74	590.4
#1	.4704	1.836	.0138	.0169	.0035	-.0003	.0008	-.0019	.0008
#2	.4718	1.861	.0504	.0190	.0022	-.0003	-.0002	-.0024	-.0012
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 19:34:27 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0004**	**-.0021**	**.0000**	**.0012**	**.0012**	**-.0001**
Stddev	.000	.0004	.0009	.000	.0012	.0008	.0001
%RSD	125.4	98.76	41.48	105.6	100.9	62.73	238.1
#1	.0000	-.0007	-.0015	-.0001	.0020	.0007	.0000
#2	-.0001	-.0001	-.0027	.0000	.0003	.0018	-.0002
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94378.**	**23804.**	**1313.6**	**4165.8**
Stddev	374.	20.	14.9	34.8
%RSD	.39634	.08427	1.1347	.83597
#1	94642.	23790.	1303.1	4141.2
#2	94113.	23818.	1324.1	4190.5

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 19:40:32 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0035**	**.0009**	**.0010**	**.0030**	**.0017**	F **.0006**	**.0030**	**.0044**
Stddev	.0000	.0000	.0003	.0001	.0001	.0004	.0000	.0001
%RSD	.2344	.0813	27.19	4.932	7.733	68.05	1.147	1.924
#1	.0035	.0009	.0013	.0029	.0016	.0009	.0030	.0045
#2	.0035	.0009	.0008	.0031	.0018	.0003	.0029	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value						.0020		
Range						-30.00%		

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0019**	**.0023**	**.0114**	**.0030**	F **.0043**	**.0024**	**.0051**	F **.0002**
Stddev	.0001	.0002	.0005	.0002	.0008	.0010	.0014	.0003
%RSD	4.872	7.176	4.666	5.840	19.41	41.87	27.74	196.3
#1	.0019	.0022	.0118	.0031	.0037	.0017	.0041	.0004
#2	.0018	.0024	.0110	.0029	.0049	.0031	.0061	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value					.0020			.0030
Range					30.00%			-30.00%

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0934**	**.9221**	**-.0001**	**.1093**	**1.718**	**.8668**	**.0109**	**-.0002**
Stddev	.0057	.0066	.0001	.0042	.018	.0055	.0001	.0003
%RSD	6.119	.7172	100.5	3.847	1.064	.6395	1.009	140.1
#1	.0975	.9174	-.0002	.1123	1.705	.8707	.0108	-.0004
#2	.0894	.9267	.0000	.1063	1.731	.8629	.0110	.0000
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 19:40:32 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0016**	**-.0012**	**.0018**	**-.0001**	**-.0001**	F **-.0008**	F **.0000**	F **-.0017**
Stddev	.0007	.0006	.0001	.0001	.0000	.0000	.000	.0011
%RSD	41.82	51.50	6.776	123.2	56.37	5.024	1082.	65.19
#1	-.0011	-.0007	.0019	.0000	-.0001	-.0008	.0001	-.0024
#2	-.0020	-.0016	.0017	-.0001	-.0001	-.0007	-.0001	-.0009
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Fail
Value						.0040	.0040	.0040
Range						-30.00%	-30.00%	-30.00%

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0009**	F **-.0003**
Stddev	.0001	.0006
%RSD	11.11	221.4
#1	.0008	.0002
#2	.0010	-.0007
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94074.**	**24056.**	**1310.6**	**4153.0**
Stddev	229.	4.	29.8	87.7
%RSD	.24395	.01607	2.2719	2.1106
#1	93912.	24053.	1289.6	4091.0
#2	94236.	24059.	1331.7	4215.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 19:46:35 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0001**	**.0024**	**.0003**	**.0007**	**-.0038**	**.0051**	**.0002**	**.0067**
Stddev	.0001	.0001	.0000	.0002	.0007	.0002	.0002	.0003	.0003
%RSD	376.8	89.36	1.974	75.97	104.8	5.262	4.194	183.5	3.838
#1	.0001	.0000	.0024	.0001	.0002	-.0037	.0049	.0003	.0069
#2	.0000	-.0001	.0023	.0005	.0011	-.0039	.0052	.0000	.0065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0044**	**.0029**	**-.0024**	**.0014**	**-.0024**	**-.0083**	**-.0008**	**482.2**	**369.1**
Stddev	.0003	.0002	.0026	.0019	.0011	.0009	.0012	2.0	1.6
%RSD	6.240	8.686	104.8	135.3	43.85	10.40	143.8	.4083	.4227
#1	-.0046	.0030	-.0042	.0001	-.0032	-.0089	-.0017	480.9	368.0
#2	-.0042	.0027	-.0006	.0027	-.0017	-.0077	.0000	483.6	370.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**176.4**	**488.7**	**.1183**	**.0177**	**.0023**	**-.0093**	**-.0008**	**-.0400**	**-.0067**
Stddev	.2	.0	.0305	.0021	.0005	.0010	.0013	.0013	.0006
%RSD	.1132	.0025	25.78	11.85	22.57	5.892	124.0	3.367	9.296
#1	176.5	488.7	.0967	.0162	.0027	-.0089	-.0001	-.0391	-.0071
#2	176.2	488.7	.1399	.0192	.0020	-.0097	-.0014	-.0410	-.0062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 19:46:35 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0083**	**-.0004**	**-.0046**	**-.0070**	**-.1049**	**.0051**	**-.0005**
Stddev	.0001	.0001	.0001	.0000	.0009	.0005	.0002
%RSD	.9312	34.70	2.965	.3684	.8529	9.977	38.91
#1	.0084	-.0005	-.0045	-.0070	-.1042	.0048	-.0004
#2	.0083	-.0003	-.0046	-.0071	-.1055	.0055	-.0006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84874.**	**22831.**	**1210.4**	**3617.5**
Stddev	159.	43.	2.0	4.7
%RSD	.18721	.18774	.16921	.13016
#1	84761.	22861.	1211.8	3620.8
#2	84986.	22801.	1208.9	3614.2

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/15/2015 19:52:47 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4858**	**.4865**	**.9947**	**.4974**	**.4942**	**.4864**	**.4957**	**.9781**	**1.034**
Stddev	.0007	.0008	.0058	.0018	.0007	.0012	.0004	.0050	.000
%RSD	.1366	.1586	.5817	.3592	.1512	.2431	.0765	.5061	.0329
#1	.4854	.4859	.9988	.4987	.4936	.4873	.4954	.9816	1.035
#2	.4863	.4870	.9906	.4961	.4947	.4856	.4959	.9746	1.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.4872**	**.9612**	**.9593**	**.9480**	**.9692**	**.9789**	**1.002**	**473.1**	**374.3**
Stddev	.0003	.0036	.0084	.0045	.0028	.0192	.002	1.9	2.2
%RSD	.0610	.3726	.8804	.4733	.2893	1.962	.2001	.4035	.5967
#1	.4870	.9637	.9652	.9512	.9712	.9925	1.003	471.7	372.7
#2	.4874	.9587	.9533	.9448	.9672	.9653	1.000	474.4	375.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**186.3**	**490.2**	**.1736**	**.0204**	**.0007**	**.4554**	**.5207**	**-.0453**	**-.0044**
Stddev	.2	.3	.0151	.0012	.0001	.0013	.0010	.0005	.0026
%RSD	.1220	.0586	8.709	5.724	20.40	.2793	.1984	1.107	59.05
#1	186.1	490.0	.1629	.0196	.0006	.4563	.5215	-.0450	-.0063
#2	186.4	490.4	.1842	.0212	.0008	.4545	.5200	-.0457	-.0026
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/15/2015 19:52:47 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0083**	**.0002**	**.4897**	**.4490**	**.4139**	**.4739**	**.4960**
Stddev	.0001	.0000	.0042	.0018	.0013	.0018	.0017
%RSD	1.716	8.877	.8604	.4106	.3143	.3784	.3424
#1	.0084	.0001	.4926	.4477	.4148	.4752	.4948
#2	.0082	.0002	.4867	.4503	.4129	.4726	.4972
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**85363.**	**22779.**	**1210.4**	**3626.5**
Stddev	73.	28.	5.3	12.2
%RSD	.08590	.12403	.43933	.33746
#1	85415.	22799.	1206.6	3617.9
#2	85311.	22759.	1214.2	3635.2

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 20:00:52 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.820**	**1.828**	**1.830**	**1.891**	**1.903**	F **1.782**	**1.895**	**1.908**	**.2277**
Stddev	.002	.009	.003	.007	.001	.000	.000	.007	.0004
%RSD	.0903	.4726	.1407	.3820	.0371	.0039	.0031	.3943	.1601
#1	1.821	1.834	1.829	1.886	1.902	1.782	1.894	1.902	.2280
#2	1.819	1.822	1.832	1.896	1.903	1.782	1.895	1.913	.2275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value						2.000			
Range						-10.00%			

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.869**	**1.904**	**1.809**	**1.967**	**1.904**	**1.842**	**1.825**	F **35.65**	**36.81**
Stddev	.000	.004	.006	.007	.003	.004	.003	.16	.07
%RSD	.0117	.1969	.3349	.3481	.1702	.2167	.1778	.4586	.1779
#1	1.869	1.901	1.805	1.963	1.902	1.839	1.823	35.77	36.86
#2	1.869	1.906	1.813	1.972	1.906	1.844	1.827	35.54	36.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value								40.00	
Range								-10.00%	

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.78**	**36.11**	F **34.95**	F **35.17**	**1.801**	**1.860**	**1.825**	F **4.498**	**1.865**
Stddev	.17	.20	.16	.05	.003	.004	.001	.006	.003
%RSD	.4577	.5536	.4521	.1479	.1700	.1998	.0259	.1277	.1830
#1	36.90	36.25	35.07	35.21	1.799	1.858	1.825	4.494	1.862
#2	36.66	35.97	34.84	35.13	1.804	1.863	1.825	4.503	1.867
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			40.00	40.00				5.000	
Range			-10.00%	-10.00%				-10.00%	

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 20:00:52 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.841**	**1.892**	**1.850**	**1.879**	**1.847**	**1.807**	F **1.753**
Stddev	.004	.003	.001	.000	.002	.003	.005
%RSD	.2000	.1467	.0315	.0194	.1300	.1492	.2603
#1	1.844	1.894	1.851	1.879	1.845	1.805	1.756
#2	1.839	1.890	1.850	1.878	1.848	1.809	1.750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							2.000
Range							-10.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93030.**	**24004.**	**1317.4**	**4047.2**
Stddev	58.	101.	4.0	17.1
%RSD	.06232	.42189	.30523	.42229
#1	92989.	23933.	1320.3	4059.2
#2	93071.	24076.	1314.6	4035.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 20:08:43 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**-.0002**	**.0003**	**.0001**	**-.0011**	**.0000**	**.0003**	**.0001**
Stddev	.0002	.0000	.0002	.0000	.0001	.0001	.0000	.0002	.0001
%RSD	246.9	42.34	77.34	10.84	252.7	10.58	12.70	57.47	90.77
#1	.0002	.0001	-.0001	.0003	.0002	-.0012	.0000	.0002	.0002
#2	-.0001	.0001	-.0003	.0003	.0000	-.0010	.0000	.0005	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0004**	**-.0006**	**.0008**	**.0013**	**.0006**	**-.0015**	**.0172**	**.0085**
Stddev	.0002	.0001	.0003	.0008	.0006	.0029	.0015	.0028	.0009
%RSD	211.7	34.40	56.91	91.63	44.03	523.0	105.8	16.53	10.83
#1	-.0001	-.0005	-.0003	.0003	.0009	-.0015	-.0026	.0152	.0091
#2	.0003	-.0003	-.0008	.0014	.0017	.0026	-.0004	.0192	.0078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0043**	**.0417**	**.0280**	**-.0064**	**.0021**	**.0003**	**.0003**	**-.0011**	**-.0005**
Stddev	.0010	.0116	.0019	.0003	.0006	.0005	.0009	.0003	.0006
%RSD	24.11	27.89	6.714	3.962	28.04	150.0	333.4	27.97	117.5
#1	.0050	.0499	.0267	-.0062	.0017	.0006	-.0004	-.0009	-.0010
#2	.0035	.0334	.0293	-.0065	.0025	.0000	.0009	-.0013	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In
Zoom Out

Sample Name: ccb Acquired: 7/15/2015 20:08:43 Type: QC
Method: Accutest1(v201) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0008**	**-.0016**	**.0001**	**-.0010**	**.0019**	**-.0005**
Stddev	.0001	.0000	.0009	.0001	.0038	.0001	.0005
%RSD	152.4	.9062	53.39	178.6	386.6	4.530	93.65
#1	.0001	.0008	-.0022	.0000	.0017	.0020	-.0009
#2	.0000	.0008	-.0010	.0002	-.0037	.0018	-.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95282.**	**23970.**	**1341.3**	**4248.1**
Stddev	4.	19.	1.6	9.9
%RSD	.00429	.07749	.11589	.23376
#1	95280.	23956.	1342.4	4255.1
#2	95285.	23983.	1340.2	4241.1

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
	Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
				Al	0.000000	0.000000	No
				Zr	0.001080	0.000000	No
	Be 313.042 {108}	1	13	V	0.000230	0.000000	No
				Mo	-0.000039	0.000000	No
				Ti	-0.000680	0.000000	No
				Mn	-0.000027	0.000000	No
				Ba	0.000015	0.000000	No
				Co	-0.000020	0.000000	No
				Ni	0.000004	0.000000	No
				Ca	0.000000	0.000000	No
				Cu	0.000034	0.000000	No
				Zn	-0.000010	0.000000	No
				Fe	0.000000	0.000000	No
				Cd	0.000050	0.000000	No
				W	0.000000	0.000000	No
	Cd 228.802 {448}	1	12	As	0.004330	0.000000	No
				Fe	-0.000008	0.000000	No
				V	0.000050	0.000000	No
				Ba	-0.000047	0.000000	No
				Co	-0.000990	0.000000	No
				Sr	0.000100	0.000000	No
				Ca	0.000000	0.000000	No
				Mn	-0.000021	0.000000	No
				Cr	0.000025	0.000000	No
				Si	-0.000005	0.000000	No
				Cu	-0.000026	0.000000	No
				Ni	-0.000250	0.000000	No
	Co 228.616 {448}	1	10	Fe	0.000006	0.000000	No
				Cr	-0.000100	0.000000	No
				Mo	-0.000800	0.000000	No
				Ni	0.000256	0.000000	No
				Ti	0.001639	0.000000	No
				Ba	0.000062	0.000000	No
				W	0.000000	0.000000	No
				Cd	-0.000060	0.000000	No
				Si	0.000000	0.000000	No
				Ca	0.000000	0.000000	No
	Cr 267.716 {126}	1	15	Mn	0.000102	0.000000	No
				V	-0.000120	0.000000	No
				Mo	0.000018	0.000000	No
				Fe	-0.000004	0.000000	No
				Cd	-0.000050	0.000000	No
				Al	0.000001	0.000000	No
				Ca	-0.000002	0.000000	No
				Mg	0.000000	0.000000	No
				Ti	0.000000	0.000000	No
				Sn	0.000000	0.000000	No
				Ba	-0.000005	0.000000	No
				Cu	-0.000100	0.000000	No
				Sr	0.000000	0.000000	No
				W	0.004000	0.000000	No
				Zr	0.000280	0.000000	No
	Cu 324.754 {104}2	1	22	Cr	0.000016	0.000000	No
				V	-0.000283	0.000000	No
				Mo	-0.000394	0.000000	No
				Ti	-0.000100	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Fe	-0.000070	0.000000	No
				Al	-0.000002	0.000000	No
				Sn	-0.000026	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000917	0.000000	No
				Zr	0.000000	0.000000	No
				Si	0.000009	0.000000	No
				Mn	-0.000380	0.000000	No
				Se	0.000050	0.000000	No
				Ba	0.000010	0.000000	No
				Ag	-0.000002	0.000000	No
				Pb	0.000060	0.000000	No
				Sb	0.000000	0.000000	No
				Mg	0.000010	0.000000	No
				Ca	-0.000001	0.000000	No
				Bi	0.000000	0.000000	No
				W	-0.030000	0.000000	No
				K	0.000000	0.000000	No
	Mn 257.610 {131}	1	8	Fe	-0.000070	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000010	0.000000	No
				As	0.000001	0.000000	No
				Ca	0.000000	0.000000	No
				Mg	-0.000004	0.000000	No
				Al	-0.000001	0.000000	No
				Cr	-0.000100	0.000000	No
	Ni 231.604 {446}	1	19	Fe	0.000002	0.000000	No
				Zn	0.000079	0.000000	No
				Be	0.000213	0.000000	No
				Co	0.000080	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000001	0.000000	No
				Mo	0.000085	0.000000	No
				V	0.000011	0.000000	No
				Cu	0.000050	0.000000	No
				Se	0.000100	0.000000	No
				Al	0.000003	0.000000	No
				Cr	0.000006	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	-0.000002	0.000000	No
				Ti	-0.000040	0.000000	No
				Mn	-0.000080	0.000000	No
				W	0.000000	0.000000	No
	Ag 328.068 {103}	1	14	Mn	0.000057	0.000000	No
				Mo	-0.000098	0.000000	No
				Ti	-0.000740	0.000000	No
				Fe	-0.000320	0.000000	No
				V	-0.001140	0.000000	No
				Zn	-0.000143	0.000000	No
				Ca	-0.000002	0.000000	No
				Sr	-0.000024	0.000000	No
				Mg	-0.000002	0.000000	No
				Zr	0.008000	0.000000	No
				Si	-0.000121	0.000000	No
				Ba	0.000006	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				K	0.000000	0.000000	No
				Al	-0.000004	0.000000	No
	V 292.402 {115}	1	7	Ti	0.000700	0.000000	No
				Mo	-0.010700	0.000000	No
				Fe	0.000041	0.000000	No
				Sr	-0.000100	0.000000	No
				Cr	-0.001700	0.000000	No
				Mn	-0.000700	0.000000	No
				Zr	0.000170	0.000000	No
	Zn 206.200 {464}	1	20	Cr	-0.001125	0.000000	No
				Mo	-0.000340	0.000000	No
				Fe	-0.000008	0.000000	No
				Si	0.000065	0.000000	No
				Mn	0.000350	0.000000	No
				Ba	-0.000060	0.000000	No
				Na	0.000003	0.000000	No
				Ca	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				Sn	0.000255	0.000000	No
				Cu	-0.000774	0.000000	No
				As	0.000500	0.000000	No
				Be	0.000364	0.000000	No
				Pd	0.000280	0.000000	No
				Ti	-0.000080	0.000000	No
				Al	-0.000005	0.000000	No
				Zr	0.000000	0.000000	No
				Bi	-0.003364	0.000000	No
				W	0.000000	0.000000	No
				K	0.000000	0.000000	No
	As 189.042 {478}	1	24	Al	0.000005	0.000000	No
				Fe	-0.000008	0.000000	No
				Ca	0.000002	0.000000	No
				Mn	-0.000060	0.000000	No
				Mo	0.000650	0.000000	No
				Cr	0.000290	0.000000	No
				V	0.000120	0.000000	No
				Co	-0.000695	0.000000	No
				Ba	-0.000110	0.000000	No
				Sn	-0.000037	0.000000	No
				Cd	-0.000228	0.000000	No
				Tl	0.000030	0.000000	No
				Be	-0.000007	0.000000	No
				Mg	-0.000002	0.000000	No
				Si	-0.000045	0.000000	No
				Zn	0.000115	0.000000	No
				Sr	0.000100	0.000000	No
				Pd	0.026000	0.000000	No
				Zr	0.000091	0.000000	No
				Ti	-0.000070	0.000000	No
				W	-0.010000	0.000000	No
				S	-0.000010	0.000000	No
				K	0.000000	0.000000	No
				B	-0.000204	0.000000	No
	Tl 190.856 {477}	1	29	Cr	0.000360	0.000000	No
				Mo	-0.008526	0.000000	No
				Al	-0.000005	0.000000	No
				Fe	-0.000118	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				V	-0.013400	0.000000	No
				Mn	0.001233	0.000000	No
				Ca	-0.000003	0.000000	No
				Ti	-0.004600	0.000000	No
				Mg	-0.000001	0.000000	No
				Co	0.005000	0.000000	No
				Sr	-0.001090	0.000000	No
				B	-0.000649	0.000000	No
				Ba	-0.000250	0.000000	No
				Zn	-0.000215	0.000000	No
				As	-0.000020	0.000000	No
				W	-0.020000	0.000000	No
				Ni	-0.000077	0.000000	No
				Cu	0.000154	0.000000	No
				Zr	-0.042000	0.000000	No
				Pd	-0.000115	0.000000	No
				Pb	0.000000	0.000000	No
				S	-0.000015	0.000000	No
				Ag	0.000250	0.000000	No
				Be	0.000000	0.000000	No
				Sn	0.000073	0.000000	No
				K	0.000000	0.000000	No
				Cd	-0.000240	0.000000	No
				Si	0.000061	0.000000	No
				Na	0.000000	0.000000	No
	Pb 220.353 {453}	1	24	Al	-0.000098	0.000000	No
				Fe	0.000055	0.000000	No
				Ca	-0.000002	0.000000	No
				Mn	0.000113	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.000500	0.000000	No
				Cu	0.000230	0.000000	No
				V	-0.000132	0.000000	No
				Co	0.000073	0.000000	No
				Ti	-0.000100	0.000000	No
				Si	0.000158	0.000000	No
				Ba	-0.000010	0.000000	No
				Sb	0.000150	0.000000	No
				K	0.000000	0.000000	No
				Sr	-0.000060	0.000000	No
				W	0.030000	0.000000	No
				Mg	0.000000	0.000000	No
				Cd	-0.000018	0.000000	No
				Pd	0.000260	0.000000	No
				Zr	-0.041002	0.000000	No
				Ni	0.000390	0.000000	No
				S	0.000010	0.000000	No
				Bi	0.000000	0.000000	No
				Cr	-0.000200	0.000000	No
	Se 196.090 {472}	1	22	Al	-0.000019	0.000000	No
				Ca	-0.000000	0.000000	No
				Mn	0.000623	0.000000	No
				Mo	0.000181	0.000000	No
				Fe	-0.000185	0.000000	No
				Co	-0.000330	0.000000	No
				V	-0.000130	0.000000	No
				Sr	-0.000258	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Cu	-0.000002	0.000000	No
				W	0.020000	0.000000	No
				Si	0.000011	0.000000	No
				Tl	0.000204	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000300	0.000000	No
				B	-0.000788	0.000000	No
				Pd	-0.000717	0.000000	No
				Ti	-0.000017	0.000000	No
				Cd	0.000090	0.000000	No
				Zr	-0.000100	0.000000	No
				Ba	-0.000110	0.000000	No
				Mg	-0.000004	0.000000	No
				S	-0.000010	0.000000	No
	Sb 206.833 {463}	1	16	Fe	-0.000005	0.000000	No
				Al	-0.000009	0.000000	No
				Ca	-0.000009	0.000000	No
				Ni	-0.000289	0.000000	No
				Cr	0.010400	0.000000	No
				V	-0.002200	0.000000	No
				Zn	0.000000	0.000000	No
				Mo	0.000370	0.000000	No
				Ti	0.000200	0.000000	No
				Sn	-0.011970	0.000000	No
				W	-0.015000	0.000000	No
				Mg	0.000000	0.000000	No
				Zr	0.006950	0.000000	No
				Sr	0.000031	0.000000	No
				Mn	-0.000150	0.000000	No
				S	-0.000015	0.000000	No
	Al 396.152 { 85}	1	4	Si	0.000350	0.000000	No
				Ca	0.000390	0.000000	No
				Mo	0.031000	0.000000	No
				Zr	-0.008158	0.000000	No
	Ca 317.933 {106}	1	18	Fe	0.000120	0.000000	No
				Ti	0.000000	0.000000	No
				W	0.003960	0.000000	No
				Tl	0.004955	0.000000	No
				Be	0.001840	0.000000	No
				Ba	-0.001500	0.000000	No
				Cu	0.004200	0.000000	No
				Cd	0.003700	0.000000	No
				Ni	0.001859	0.000000	No
				Pd	0.004700	0.000000	No
				Mn	0.000000	0.000000	No
				B	-0.000210	0.000000	No
				Se	0.001000	0.000000	No
				Co	-0.000920	0.000000	No
				Cr	0.004000	0.000000	No
				Al	0.000026	0.000000	No
				As	0.010000	0.000000	No
				Pb	0.002000	0.000000	No
	Fe 259.940 {130}	1	13	Co	0.000200	0.000000	No
				Si	-0.001181	0.000000	No
				Tl	-0.002562	0.000000	No
				Se	0.000000	0.000000	No
				Cr	-0.000360	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Mn	-0.002000	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000085	0.000000	No
				K	-0.000200	0.000000	No
				Zn	0.000080	0.000000	No
				Ti	-0.000631	0.000000	No
				Ca	0.000020	0.000000	No
				Ba	0.001000	0.000000	No
	Mg 279.079 {121}	1	3	Mo	-0.016250	0.000000	No
				W	0.000000	0.000000	No
				Mn	-0.005360	0.000000	No
	K 766.490 { 44}	1	12	Fe	-0.000715	0.000000	No
				Al	0.000032	0.000000	No
				Ca	-0.000012	0.000000	No
				Mn	0.001430	0.000000	No
				Si	-0.003000	0.000000	No
				V	-0.002360	0.000000	No
				Pd	0.004000	0.000000	No
				Sn	-0.004700	0.000000	No
				Ba	-0.002700	0.000000	No
				Mo	-0.000850	0.000000	No
				Cu	-0.010000	0.000000	No
				Ni	-0.000500	0.000000	No
	Na 589.592 { 57}	1	6	K	-0.000560	0.000000	No
				Ba	0.000900	0.000000	No
				Ca	-0.000034	0.000000	No
				Al	0.000040	0.000000	No
				V	0.000000	0.000000	No
				Cr	0.000000	0.000000	No
	B 208.959 {462}	1	1	Mo	0.027950	0.000000	No
	Mo 202.030 {467}	1	6	Co	0.000000	0.000000	No
				Al	0.000000	0.000000	No
				Fe	-0.000010	0.000000	No
				Mg	-0.000001	0.000000	No
				Ca	0.000003	0.000000	No
				W	0.000576	0.000000	No
	Pd 340.458 { 99}	1	10	Ti	-0.000684	0.000000	No
				V	-0.000048	0.000000	No
				Sn	-0.000006	0.000000	No
				Fe	-0.000019	0.000000	No
				Mo	-0.000320	0.000000	No
				Zr	-0.000200	0.000000	No
				Co	-0.005883	0.000000	No
				Ca	-0.000021	0.000000	No
				S	-0.000017	0.000000	No
				Si	-0.000040	0.000000	No
	Si 212.412 {459}	1	19	Sr	0.000366	0.000000	No
				Ni	0.000106	0.000000	No
				Mo	0.022930	0.000000	No
				V	-0.000190	0.000000	No
				Ti	0.012350	0.000000	No
				Al	0.000049	0.000000	No
				Cd	0.008630	0.000000	No
				Ba	0.000000	0.000000	No
				Fe	0.000004	0.000000	No
				Sn	0.007000	0.000000	No
				Zn	0.000385	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				As	0.002500	0.000000	No
				Mg	-0.000065	0.000000	No
				W	-0.007198	0.000000	No
				Ca	0.000078	0.000000	No
				Cr	0.000000	0.000000	No
				Mn	0.001000	0.000000	No
				Zr	0.000540	0.000000	No
				B	0.001900	0.000000	No
	Sn 189.989 {478}	1	6	Ti	-0.006033	0.000000	No
				Mo	0.000011	0.000000	No
				Fe	0.000018	0.000000	No
				Mn	0.000001	0.000000	No
				Si	0.000131	0.000000	No
				Al	-0.000004	0.000000	No
	Sr 407.771 { 83}	1	2	Fe	0.000000	0.000000	No
				Ca	0.000047	0.000000	No
	Ti 334.904 {101}	1	4	Cr	0.000204	0.000000	No
				Mo	0.000870	0.000000	No
				Si	0.000035	0.000000	No
				Ca	0.000005	0.000000	No
	Y 360.073 { 94}*	1	None				
	Y 371.030 { 91}*	1	None				
	Y 224.306 {451}*	1	None				
	In 230.606 {446}*	1	None				
	W 207.911 {462}	1	27	Al	0.000005	0.000000	No
				Si	-0.000117	0.000000	No
				Ca	-0.000004	0.000000	No
				Fe	-0.000014	0.000000	No
				As	-0.000220	0.000000	No
				Mg	-0.000005	0.000000	No
				Mn	-0.000070	0.000000	No
				Mo	0.000710	0.000000	No
				Ti	0.000000	0.000000	No
				Sr	0.000000	0.000000	No
				V	0.001000	0.000000	No
				Cd	-0.000650	0.000000	No
				Cr	-0.000001	0.000000	No
				Zn	0.009921	0.000000	No
				Pd	0.000000	0.000000	No
				Sn	-0.000500	0.000000	No
				Zr	-0.001000	0.000000	No
				B	0.000000	0.000000	No
				Sb	0.000000	0.000000	No
				Co	-0.002830	0.000000	No
				Ni	0.000000	0.000000	No
				Be	-0.001000	0.000000	No
				Se	0.000000	0.000000	No
				Cu	-0.002860	0.000000	No
				Ba	0.000000	0.000000	No
				Tl	0.000000	0.000000	No
				Pb	0.000000	0.000000	No
	Zr 339.198 { 99}	1	10	Mo	0.000250	0.000000	No
				Ti	0.000000	0.000000	No
				Fe	-0.000050	0.000000	No
				Si	0.000202	0.000000	No
				S	0.000039	0.000000	No
				Pd	0.000000	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Be	-0.000500	0.000000	No
				Bi	0.000000	0.000000	No
				Ba	-0.000005	0.000000	No
				Ag	0.000000	0.000000	No
	S 182.034 {485}	1	6	Ca	0.000260	0.000000	No
				Mo	0.002400	0.000000	No
				Al	0.000070	0.000000	No
				Fe	0.000023	0.000000	No
				Mn	0.003160	0.000000	No
				Mg	0.000004	0.000000	No
	Bi 223.061 {451}	1	4	Fe	0.000035	0.000000	No
				Ti	-0.009400	0.000000	No
				V	-0.000680	0.000000	No
				Cr	0.001100	0.000000	No
	Li 670.784 { 50}	1	1	Mg	0.000006	0.000000	No

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.004944	1.715056	0.000000	1.000000
	Be 313.042 {108}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000484	2.825739	0.000000	1.000000
	Cd 228.802 {448}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000453	1.205015	0.000000	1.000000
	Co 228.616 {448}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000149	0.373279	0.000000	1.000000
	Cr 267.716 {126}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000002	0.070585	0.000000	1.000000
	Cu 324.754 {104}2	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.002265	0.216477	0.000000	1.000000
	Mn 257.610 {131}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000084	0.430227	0.000000	1.000000
	Ni 231.604 {446}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000992	0.296651	0.000000	1.000000
	Ag 328.068 {103}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000296	0.102636	0.000000	1.000000
	V 292.402 {115}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000084	0.100585	0.000000	1.000000
	Zn 206.200 {464}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000564	0.684728	0.000000	1.000000
	As 189.042 {478}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000242	0.136870	0.000000	1.000000
	Tl 190.856 {477}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000281	0.029396	0.000000	1.000000
	Pb 220.353 {453}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000158	0.116366	0.000000	1.000000
	Se 196.090 {472}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000237	0.065384	0.000000	1.000000
	Sb 206.833 {463}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000765	0.205576	0.000000	1.000000
	Al 396.152 { 85}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000245	0.036875	0.000000	1.000000
	Ca 317.933 {106}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.006581	0.057239	0.000000	1.000000
	Fe 259.940 {130}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000080	0.048291	0.000000	1.000000
	Mg 279.079 {121}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000229	0.006333	0.000000	1.000000
	K 766.490 { 44}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.003724	0.018331	0.000000	1.000000
	Na 589.592 { 57}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000423	0.065168	0.000000	1.000000
	B 208.959 {462}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000409	0.223940	0.000000	1.000000
	Mo 202.030 {467}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000355	0.840517	0.000000	1.000000
	Pd 340.458 { 99}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000285	0.044836	0.000000	1.000000
	Si 212.412 {459}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.009135	0.260443	0.000000	1.000000
	Sn 189.989 {478}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000191	0.143333	0.000000	1.000000
	Sr 407.771 { 83}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000120	3.187107	0.000000	1.000000
	Ti 334.904 {101}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000276	0.119696	0.000000	1.000000
	Y 360.073 { 94}*	7/16/2015 8:38:21	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	7/16/2015 8:38:21	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	7/16/2015 8:38:21	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	7/16/2015 8:38:21	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000929	0.406642	0.000000	1.000000
	Zr 339.198 { 99}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.000265	0.264834	0.000000	1.000000
	S 182.034 {485}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000066	0.049940	0.000000	1.000000
	Bi 223.061 {451}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	-0.002746	0.330355	0.000000	1.000000
	Li 670.784 { 50}	7/16/2015 8:38:21	7/15/2015 15:01:53	Linear	1/Conc	0.000241	0.640269	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ba 455.403 { 74}	1.000000	0.000000	0.000270	0.000900	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000067	0.000222	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000269	0.000895	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000436	0.001454	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000547	0.001824	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000405	0.001349	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000081	0.000269	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000497	0.001656	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.000574	0.001914	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000477	0.001591	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000380	0.001266	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001675	0.005583	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.002642	0.008808	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001779	0.005931	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.004353	0.014509	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001764	0.005879	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.010518	0.035062	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003752	0.012506	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002321	0.007735	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.022738	0.075793	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.037505	0.125016	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.010182	0.033941	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.001059	0.003531	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000372	0.001240	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.002008	0.006692	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001377	0.004588	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001437	0.004790	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000102	0.000341	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000598	0.001993	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.001564	0.005213	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000256	0.000853	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.004420	0.014733	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.001577	0.005258	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001051	0.003504	OK.	1.000000	0.000000	1	0

Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 7/15/2015 15:07:54 Type: Cal
Method: Accutest 2(v109) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0045**	**-.0003**	**-.0000**	**-.0002**	**.0000**	**.0016**	**.0000**	**-.0003**	**-.0000**
Stddev	.0001	.0000	.0000	.0001	.0000	.0001	.0000	.0000	.0000
%RSD	1.168	12.91	423.8	41.18	5.009	4.005	23.61	6.180	58.31
#1	.0046	-.0003	-.0000	-.0001	.0000	.0016	.0000	-.0003	-.0000
#2	.0045	-.0002	.0000	-.0002	.0000	.0017	.0000	-.0003	-.0000

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0005**	**.0001**	**-.0001**	**-.0001**	**.0007**	**-.0000**	**.0003**	**.0051**
Stddev	.0000	.0000	.0003	.0000	.0001	.0001	.0003	.0001	.0000
%RSD	37.56	6.024	237.0	21.50	76.13	20.71	11390.	19.41	.7283
#1	-.0001	.0005	.0003	-.0001	-.0001	.0006	.0002	.0004	.0051
#2	-.0001	.0006	-.0001	-.0002	-.0002	.0008	-.0002	.0003	.0051

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**-.0000**	**-.0016**	**.0005**	**.0001**	**.0008**	**-.0000**	**.0043**	**-.0002**
Stddev	.0000	.0000	.0005	.0001	.0001	.0001	.0000	.0000	.0001
%RSD	37.64	101.5	29.15	23.06	90.46	13.91	61.70	.0979	39.47
#1	.0001	-.0000	-.0020	.0006	.0000	.0007	-.0001	.0043	-.0002
#2	.0000	-.0000	-.0013	.0004	.0002	.0009	-.0000	.0043	-.0003

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0006**	**-.0001**	**.0019**	**-.0002**	**.0001**	**-.0015**	**.0010**
Stddev	.0000	.0000	.0001	.0000	.0003	.0003	.0003
%RSD	.9131	25.43	4.799	18.71	231.8	20.29	30.07
#1	-.0006	-.0001	.0018	-.0002	.0003	-.0013	.0008
#2	-.0006	-.0002	.0020	-.0003	-.0001	-.0017	.0012

◀ Zoom In ▶ Zoom Out

Sample Name: STDA Acquired: 7/15/2015 15:07:54 Type: Cal
Method: Accutest 2(v109) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97459.**	**22729.**	**2962.3**	**7132.9**
Stddev	101.	74.	31.9	93.0
%RSD	.10362	.32594	1.0770	1.3043
#1	97388.	22782.	2939.7	7067.1
#2	97531.	22677.	2984.9	7198.7

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 7/15/2015 15:11:03 Type: Cal
Method: Accutest 2(v109) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.001**	**5.713**	**3.144**	**1.515**	**.2592**	**.5685**	**1.577**	**1.065**	**.0361**
Stddev	.036	.026	.013	.010	.0009	.0025	.006	.007	.0002
%RSD	.5205	.4588	.4236	.6411	.3371	.4466	.4065	.6306	.4402
#1	7.026	5.731	3.154	1.521	.2599	.5703	1.581	1.069	.0362
#2	6.975	5.694	3.135	1.508	.2586	.5668	1.572	1.060	.0360

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3377**	**3.551**	**.5917**	**.2270**	**.4341**	**.3280**	**.6977**	**2.245**	**3.146**
Stddev	.0017	.018	.0016	.0014	.0037	.0004	.0036	.008	.011
%RSD	.4943	.5107	.2682	.6312	.8474	.1118	.5207	.3528	.3374
#1	.3388	3.564	.5929	.2281	.4367	.3283	.7003	2.250	3.153
#2	.3365	3.538	.5906	.2260	.4315	.3277	.6951	2.239	3.138

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.573**	**.3393**	**2.506**	**7.575**	**.8414**	**3.218**	**.1381**	**2.222**	**.8095**
Stddev	.006	.0006	.010	.031	.0025	.010	.0006	.002	.0053
%RSD	.2294	.1865	.3877	.4101	.3013	.3196	.4163	.1068	.6498
#1	2.577	.3398	2.513	7.597	.8432	3.225	.1385	2.224	.8133
#2	2.568	.3389	2.499	7.553	.8396	3.210	.1377	2.221	.8058

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**11.76**	**.3783**	**1.355**	**.8774**	**.2632**	**.8097**	**2.748**
Stddev	.13	.0023	.005	.0038	.0011	.0042	.015
%RSD	1.136	.6015	.4035	.4292	.4208	.5158	.5355
#1	11.85	.3799	1.359	.8801	.2640	.8127	2.758
#2	11.66	.3767	1.351	.8747	.2624	.8068	2.738

◀ Zoom In ▶ Zoom Out

Sample Name: STDB Acquired: 7/15/2015 15:11:03 Type: Cal
Method: Accutest 2(v109) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**90532.**	**22662.**	**2719.3**	**5989.4**
Stddev	245.	11.	13.2	5.2
%RSD	.27022	.05062	.48530	.08658
#1	90359.	22654.	2728.6	5993.0
#2	90705.	22670.	2710.0	5985.7

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 7/15/2015 15:13:59 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**2.030**	**1.993**	**2.008**	**2.015**	**1.960**	**2.041**	**2.016**	**.2453**
Stddev	.007	.011	.008	.009	.007	.007	.005	.010	.0020
%RSD	.3696	.5403	.4191	.4358	.3537	.3843	.2685	.5138	.8142
#1	2.001	2.022	1.999	2.015	2.020	1.965	2.045	2.024	.2467
#2	2.012	2.037	1.987	2.002	2.010	1.955	2.038	2.009	.2439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.017**	**2.040**	**1.973**	**2.048**	**2.029**	**1.993**	**1.983**	**39.80**	**40.39**
Stddev	.005	.008	.008	.013	.014	.007	.010	.17	.32
%RSD	.2381	.4017	.4208	.6241	.6861	.3688	.4860	.4231	.7937
#1	2.020	2.046	1.979	2.057	2.038	1.998	1.990	39.68	40.16
#2	2.013	2.035	1.967	2.039	2.019	1.988	1.976	39.92	40.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.77**	**40.28**	**39.75**	**39.91**	**2.000**	**2.025**	**1.978**	**4.948**	**2.048**
Stddev	.22	.33	.18	.22	.008	.011	.016	.001	.013
%RSD	.5459	.8091	.4641	.5535	.4164	.5604	.7896	.0276	.6526
#1	40.61	40.04	39.62	39.75	2.006	2.033	1.990	4.949	2.058
#2	40.93	40.51	39.88	40.07	1.994	2.017	1.967	4.947	2.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccvconf Acquired: 7/15/2015 15:13:59 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.025**	**2.015**	**2.025**	**2.000**	**1.985**	**2.003**	**1.982**
Stddev	.007	.006	.008	.000	.009	.018	.007
%RSD	.3657	.2953	.3815	.0166	.4539	.9214	.3742
#1	2.020	2.019	2.031	2.000	1.992	2.016	1.977
#2	2.030	2.011	2.020	1.999	1.979	1.990	1.987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93374.**	**22655.**	**2834.7**	**6321.3**
Stddev	134.	148.	5.8	14.2
%RSD	.14308	.65498	.20393	.22408
#1	93280.	22760.	2830.7	6311.3
#2	93469.	22550.	2838.8	6331.3

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 7/15/2015 15:16:51 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0001**	**.0003**	**.0002**	**.0005**	F **.0012**	**.0001**	**-.0000**	**.0003**
Stddev	.0001	.0000	.0004	.0002	.0002	.0004	.0000	.0002	.0014
%RSD	98.21	11.49	137.3	72.00	45.31	35.85	58.70	1370.	492.5
#1	.0000	.0001	.0005	.0001	.0007	.0009	.0001	-.0001	-.0007
#2	.0002	.0001	.0000	.0003	.0004	.0016	.0000	.0001	.0013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0012			
Low Limit						-.0012			

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0001**	**.0013**	**.0006**	**.0006**	**.0022**	**.0010**	**.0043**	**.0031**
Stddev	.0001	.0002	.0007	.0009	.0003	.0045	.0007	.0009	.0017
%RSD	62.05	216.4	51.33	159.2	39.48	207.9	72.11	19.99	54.50
#1	.0001	.0000	.0018	.0012	.0005	-.0010	.0015	.0037	.0019
#2	.0002	-.0002	.0008	-.0001	.0008	.0053	.0005	.0049	.0043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0018**	**-.0004**	**.0459**	**.0162**	**.0030**	**.0019**	**-.0005**	**-.0011**	F **.0013**
Stddev	.0009	.0152	.0210	.0012	.0004	.0002	.0006	.0013	.0013
%RSD	47.45	3471.	45.74	7.151	12.47	10.25	133.3	121.1	93.95
#1	.0012	-.0112	.0608	.0154	.0032	.0017	-.0000	-.0020	.0004
#2	.0025	.0103	.0311	.0170	.0027	.0020	-.0009	-.0002	.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									.0012
Low Limit									-.0012

Zoom In Zoom Out

Sample Name: ccbconf Acquired: 7/15/2015 15:16:51 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	F **.0014**	**.0004**	**.0008**	**.0022**	**.0013**	**.0015**
Stddev	.0000	.0001	.0011	.0002	.0010	.0009	.0010
%RSD	6.732	6.078	233.9	23.66	45.58	69.41	61.92
#1	.0000	.0014	.0012	.0010	.0030	.0019	.0009
#2	.0000	.0013	-.0003	.0007	.0015	.0006	.0022
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010					
Low Limit		-.0010					

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99367.**	**23035.**	**2954.3**	**7133.1**
Stddev	407.	1.	24.4	1.2
%RSD	.40958	.00515	.82617	.01733
#1	99079.	23036.	2971.5	7134.0
#2	99654.	23034.	2937.0	7132.2

Zoom In Zoom Out

Sample Name: icv Acquired: 7/15/2015 15:20:02 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.985**	**2.047**	**2.035**	**1.998**	**2.045**	**1.967**	**2.063**	**2.019**	**.2438**
Stddev	.001	.005	.009	.003	.022	.004	.012	.001	.0013
%RSD	.0725	.2271	.4189	.1588	1.092	.1919	.5783	.0256	.5391
#1	1.984	2.050	2.041	2.001	2.029	1.970	2.054	2.019	.2429
#2	1.986	2.043	2.029	1.996	2.060	1.964	2.071	2.020	.2447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.030**	**2.079**	**2.041**	**2.073**	**2.053**	**2.022**	**2.018**	**39.86**	**39.84**
Stddev	.007	.000	.011	.002	.003	.008	.010	.08	.20
%RSD	.3667	.0093	.5518	.0946	.1293	.4036	.5049	.2042	.5036
#1	2.025	2.080	2.049	2.075	2.055	2.028	2.025	39.92	39.98
#2	2.036	2.079	2.033	2.072	2.051	2.016	2.011	39.80	39.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.21**	**39.04**	**39.89**	**40.25**	**2.062**	**1.960**	**2.003**	**5.054**	**2.072**
Stddev	.11	.22	.03	.00	.008	.009	.005	.024	.009
%RSD	.2908	.5529	.0874	.0037	.3835	.4646	.2742	.4806	.4367
#1	39.29	39.20	39.91	40.25	2.068	1.966	2.000	5.071	2.078
#2	39.13	38.89	39.86	40.25	2.057	1.954	2.007	5.037	2.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: icv Acquired: 7/15/2015 15:20:02 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.047**	**2.025**	F **2.191**	**1.997**	F **2.136**	**1.954**	**1.911**
Stddev	.001	.012	.007	.010	.011	.010	.004
%RSD	.0359	.6030	.3311	.5225	.5247	.5081	.2285
#1	2.047	2.016	2.196	1.989	2.144	1.961	1.908
#2	2.048	2.034	2.186	2.004	2.128	1.947	1.914
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value			2.000		2.000		
Range			5.000%		5.000%		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93171.**	**22737.**	**2784.6**	**6246.1**
Stddev	339.	138.	7.4	9.6
%RSD	.36391	.60473	.26427	.15301
#1	93411.	22640.	2779.4	6239.3
#2	92931.	22834.	2789.8	6252.9

Zoom In Zoom Out

Sample Name: icb Acquired: 7/15/2015 15:22:53 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	**.0001**	**.0002**	**.0002**	**.0002**	**.0005**	**.0001**	**.0002**	**-.0004**
Stddev	.0001	.0001	.0003	.0004	.0004	.0003	.0000	.0001	.0004
%RSD	543.1	115.0	177.2	157.0	167.7	69.71	31.12	40.45	107.6
#1	-.0001	.0001	-.0000	.0005	.0005	.0002	.0001	.0002	-.0007
#2	.0000	.0000	.0004	-.0000	-.0000	.0007	.0001	.0003	-.0001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0002**	**.0006**	**.0007**	**-.0005**	**-.0005**	**.0003**	**-.0006**	**.0035**
Stddev	.0002	.0001	.0006	.0001	.0003	.0005	.0002	.0109	.0003
%RSD	41.67	48.70	102.7	17.70	58.34	96.24	76.30	1793.	8.935
#1	.0003	-.0002	.0002	.0008	-.0007	-.0002	.0005	.0071	.0037
#2	.0005	-.0003	.0010	.0007	-.0003	-.0009	.0001	-.0083	.0033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0021**	**-.0058**	**.0382**	**.0125**	**.0017**	**.0014**	**-.0010**	**-.0022**	**.0004**
Stddev	.0021	.0220	.0109	.0059	.0006	.0001	.0033	.0003	.0005
%RSD	100.4	378.2	28.47	46.90	35.58	3.535	322.8	14.35	134.3
#1	.0006	.0097	.0305	.0167	.0021	.0015	-.0033	-.0024	.0007
#2	.0035	-.0214	.0459	.0084	.0013	.0014	.0013	-.0020	.0000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icb Acquired: 7/15/2015 15:22:53 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	F **.0011**	**.0025**	**.0009**	**.0041**	**.0007**	**.0020**
Stddev	.0001	.0007	.0021	.0002	.0016	.0014	.0005
%RSD	87.67	60.87	85.16	18.20	39.44	206.8	27.06
#1	.0001	.0006	.0010	.0008	.0030	-.0003	.0024
#2	.0000	.0016	.0040	.0010	.0052	.0017	.0016
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010					
Low Limit		-.0010					

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98713.**	**23061.**	**2946.7**	**7115.3**
Stddev	199.	69.	10.4	19.1
%RSD	.20141	.29933	.35195	.26848
#1	98572.	23012.	2939.4	7101.8
#2	98853.	23110.	2954.0	7128.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 15:26:04 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.995**	**2.021**	**1.993**	**1.999**	**2.011**	**1.951**	**2.025**	**2.005**	**.2439**
Stddev	.004	.001	.001	.004	.001	.004	.000	.004	.0002
%RSD	.1998	.0504	.0370	.1736	.0493	.1888	.0124	.2131	.0703
#1	1.992	2.021	1.992	2.002	2.010	1.954	2.025	2.008	.2438
#2	1.998	2.020	1.993	1.997	2.011	1.948	2.025	2.002	.2441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.997**	**2.036**	**1.978**	**2.036**	**2.015**	**1.990**	**1.989**	**39.41**	**40.04**
Stddev	.001	.009	.001	.009	.007	.002	.002	.08	.05
%RSD	.0571	.4270	.0611	.4618	.3698	.1170	.0820	.1925	.1342
#1	1.998	2.042	1.979	2.043	2.020	1.992	1.988	39.36	40.08
#2	1.997	2.030	1.977	2.030	2.010	1.988	1.990	39.46	40.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.25**	**39.57**	**39.86**	**39.72**	**1.998**	**2.021**	**1.973**	**4.944**	**2.040**
Stddev	.05	.05	.03	.03	.001	.002	.002	.006	.001
%RSD	.1128	.1178	.0829	.0763	.0236	.0719	.1030	.1256	.0263
#1	40.28	39.61	39.84	39.70	1.998	2.020	1.972	4.940	2.040
#2	40.22	39.54	39.88	39.74	1.998	2.022	1.975	4.949	2.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 15:26:04 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.027**	**2.002**	**2.018**	**1.991**	**1.973**	**1.996**	**1.979**
Stddev	.003	.003	.002	.002	.005	.002	.006
%RSD	.1321	.1434	.1100	.1209	.2371	.1059	.2840
#1	2.025	2.000	2.019	1.993	1.976	1.998	1.975
#2	2.028	2.004	2.016	1.989	1.969	1.995	1.983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93797.**	**22925.**	**2821.0**	**6316.2**
Stddev	128.	86.	9.9	10.1
%RSD	.13653	.37610	.35023	.15935
#1	93888.	22864.	2828.0	6323.3
#2	93707.	22986.	2814.0	6309.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 15:28:55 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0001**	**.0003**	**.0002**	**.0006**	**.0001**	**.0001**	**-.0006**
Stddev	.0000	.0000	.0003	.0000	.0001	.0004	.0000	.0000	.0011
%RSD	11.16	101.5	596.7	14.47	90.87	73.87	59.84	1.500	170.7
#1	.0002	.0000	.0003	.0003	.0001	.0009	.0001	.0001	.0001
#2	.0003	.0001	-.0002	.0004	.0003	.0003	.0000	.0001	-.0014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0003**	**.0015**	**.0012**	**-.0001**	**.0012**	**.0012**	**.0021**	**.0045**
Stddev	.0001	.0002	.0019	.0011	.0004	.0005	.0006	.0024	.0013
%RSD	19.12	61.73	120.8	89.55	403.6	36.78	52.02	115.1	28.77
#1	.0003	-.0004	.0002	.0020	.0002	.0015	.0016	.0038	.0036
#2	.0004	-.0002	.0029	.0005	-.0004	.0009	.0007	.0004	.0054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0016**	**.0080**	**.0795**	**.0025**	**.0029**	**.0016**	**-.0008**	**-.0012**	**.0005**
Stddev	.0004	.0001	.0180	.0051	.0003	.0002	.0007	.0001	.0001
%RSD	26.39	.7063	22.62	203.0	10.35	11.13	95.05	11.94	20.11
#1	.0013	.0079	.0922	-.0011	.0026	.0015	-.0013	-.0011	.0006
#2	.0019	.0080	.0668	.0061	.0031	.0017	-.0002	-.0013	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 15:28:55 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0005**	**.0006**	**.0007**	**.0023**	**.0008**	**.0007**
Stddev	.0000	.0002	.0008	.0000	.0046	.0002	.0001
%RSD	5.333	53.48	148.0	2.790	201.1	29.06	12.82
#1	.0001	.0003	-.0000	.0007	.0055	.0010	.0007
#2	.0001	.0006	.0012	.0007	-.0010	.0007	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99419.**	**23204.**	**2970.7**	**7139.2**
Stddev	614.	137.	32.9	15.9
%RSD	.61760	.59213	1.1068	.22314
#1	98985.	23301.	2994.0	7150.4
#2	99853.	23107.	2947.5	7127.9

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 15:32:05 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2033**	**.0022**	**.0032**	**.0517**	**.0113**	**.0114**	**.0163**	**.0101**	**.0052**
Stddev	.0009	.0001	.0002	.0007	.0001	.0000	.0000	.0003	.0010
%RSD	.4444	2.592	6.990	1.430	.7593	.1922	.2464	2.757	19.20
#1	.2026	.0022	.0033	.0522	.0114	.0114	.0163	.0099	.0059
#2	.2039	.0021	.0030	.0512	.0112	.0114	.0163	.0103	.0045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0523**	**.0233**	**.0099**	**.0119**	**.0028**	**.0091**	**.0064**	**.2109**	**4.965**
Stddev	.0003	.0001	.0008	.0010	.0001	.0024	.0005	.0020	.032
%RSD	.5039	.2977	8.223	8.761	3.050	27.01	8.481	.9365	.6379
#1	.0521	.0233	.0104	.0112	.0027	.0073	.0061	.2123	4.943
#2	.0525	.0233	.0093	.0126	.0028	.0108	.0068	.2095	4.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1002**	**4.847**	**5.022**	**4.942**	**.1033**	**.0208**	**.0506**	**.1900**	**.0122**
Stddev	.0014	.056	.028	.017	.0018	.0003	.0019	.0021	.0006
%RSD	1.388	1.149	.5648	.3477	1.696	1.208	3.818	1.117	5.273
#1	.0992	4.807	5.002	4.930	.1045	.0210	.0520	.1915	.0126
#2	.1012	4.886	5.042	4.954	.1021	.0206	.0492	.1885	.0117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 15:32:05 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0104**	**.0101**	**.0527**	**.0104**	**.0539**	**.0228**	**.0230**
Stddev	.0001	.0002	.0015	.0001	.0013	.0019	.0005
%RSD	.9439	1.980	2.801	.5932	2.387	8.279	2.124
#1	.0103	.0100	.0537	.0104	.0548	.0242	.0234
#2	.0104	.0103	.0517	.0105	.0530	.0215	.0227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97748.**	**23180.**	**2916.5**	**6944.2**
Stddev	113.	123.	.7	12.5
%RSD	.11545	.53115	.02443	.18034
#1	97668.	23267.	2916.0	6935.3
#2	97828.	23093.	2917.0	6953.0

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 15:35:14 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0041**	**.0011**	F **.0013**	**.0029**	**.0017**	**.0021**	**.0032**	**.0045**
Stddev	.0002	.0000	.0002	.0001	.0003	.0002	.0001	.0005
%RSD	4.740	1.342	17.93	2.493	17.11	8.166	1.713	10.13
#1	.0039	.0011	.0015	.0029	.0015	.0020	.0032	.0041
#2	.0042	.0011	.0011	.0030	.0020	.0022	.0032	.0048
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.0010					
Range			30.00%					

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**.0023**	**.0114**	**.0035**	**.0019**	F **.0001**	F **.0069**	**.0029**
Stddev	.0007	.0001	.0001	.0014	.0017	.0012	.0011	.0010
%RSD	28.79	4.300	.9275	40.90	86.14	917.1	16.65	35.17
#1	.0027	.0024	.0115	.0025	.0031	-.0007	.0077	.0022
#2	.0018	.0023	.0114	.0045	.0008	.0009	.0061	.0037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
Value						.0025	.0050	
Range						-30.00%	30.00%	

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1014**	**1.020**	**-.0000**	**.1043**	**2.042**	**.9843**	**.0121**	**.0001**
Stddev	.0100	.005	.0007	.0078	.017	.0103	.0005	.0003
%RSD	9.879	.4610	7063.	7.511	.8523	1.044	4.109	231.5
#1	.1085	1.023	.0005	.1098	2.055	.9770	.0125	-.0001
#2	.0943	1.016	-.0005	.0988	2.030	.9916	.0117	.0003
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 15:35:14 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0010**	**.0001**	**.0039**	**-.0001**	**.0007**	F **-.0021**	F **.0003**	**.0030**
Stddev	.0013	.0008	.0013	.0000	.0000	.0005	.0001	.0007
%RSD	121.5	822.8	34.27	65.61	5.654	25.49	25.21	22.37
#1	-.0001	-.0005	.0048	-.0001	.0007	-.0025	.0002	.0034
#2	-.0019	.0007	.0030	-.0000	.0007	-.0018	.0003	.0025
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Pass
Value						.0040	.0040	
Range						-30.00%	-30.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **.0013**	F **.0006**
Stddev	.0011	.0011
%RSD	79.46	188.5
#1	.0006	.0013
#2	.0021	-.0002
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98737.**	**22949.**	**2905.8**	**7007.7**
Stddev	410.	112.	17.2	22.5
%RSD	.41535	.48700	.59177	.32142
#1	98447.	23028.	2893.6	6991.8
#2	99027.	22870.	2917.9	7023.7

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 15:38:23 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0000**	**.0003**	**-.0001**	**.0002**	**.0006**	**.0000**	**.0005**	**-.0006**
Stddev	.0003	.0000	.0003	.0002	.0001	.0002	.0001	.0002	.0004
%RSD	463.3	30.58	119.2	167.3	44.60	24.96	973.0	38.37	62.50
#1	-.0002	-.0000	.0005	.0000	.0002	.0007	-.0001	.0004	-.0009
#2	.0003	-.0000	.0000	-.0003	.0003	.0005	.0001	.0006	-.0003
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0003**	**.0008**	**.0223**	**.0002**	**.0222**	**.0236**	**.0243**	**.5421**	**2.186**
Stddev	.0002	.0000	.0001	.0004	.0001	.0021	.0004	.0032	.009
%RSD	78.68	.2427	.5739	156.8	.5738	8.795	1.491	.5903	.4259
#1	-.0001	.0008	.0224	.0005	.0223	.0251	.0245	.5398	2.180
#2	-.0005	.0008	.0222	-.0000	.0221	.0222	.0240	.5443	2.193
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5431**	**2.110**	**.0491**	**-.0059**	**.0009**	**.0000**	**-.0010**	**-.0021**	**.0004**
Stddev	.0018	.006	.0055	.0020	.0004	.0002	.0014	.0002	.0005
%RSD	.3320	.2732	11.30	32.80	47.30	673.8	144.2	11.25	109.0
#1	.5418	2.106	.0452	-.0073	.0006	-.0001	.0000	-.0019	.0001
#2	.5443	2.114	.0530	-.0046	.0012	.0002	-.0020	-.0023	.0008
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 15:38:23 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0007**	**-.0005**	**.0002**	**.0043**	**-.0017**	**.0010**
Stddev	.0000	.0001	.0005	.0000	.0017	.0013	.0002
%RSD	2.948	13.24	102.6	17.82	38.68	77.15	17.46
#1	-.0001	.0008	-.0009	.0002	.0031	-.0008	.0011
#2	-.0001	.0007	-.0001	.0001	.0055	-.0026	.0009
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95382.**	**22259.**	**2832.8**	**6821.5**
Stddev	259.	29.	17.6	28.7
%RSD	.27104	.12833	.62088	.42071
#1	95199.	22280.	2820.3	6801.2
#2	95565.	22239.	2845.2	6841.7

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 15:41:32 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0007**	**-.0001**	**.0017**	**.0020**	**.0028**	**.0035**	**.0011**	**.0041**	**.0071**
Stddev	.0002	.0001	.0001	.0006	.0002	.0005	.0002	.0013	.0022
%RSD	24.85	103.8	6.398	31.49	5.722	13.44	16.69	32.48	31.83
#1	-.0005	-.0002	.0018	.0024	.0026	.0039	.0010	.0032	.0055
#2	-.0008	-.0000	.0016	.0015	.0029	.0032	.0013	.0051	.0086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0046**	**-.0016**	**-.0029**	**.0036**	**.0058**	**-.0047**	**-.0034**	**537.8**	**397.1**
Stddev	.0009	.0001	.0001	.0016	.0025	.0066	.0012	6.4	.8
%RSD	18.44	6.247	2.030	44.02	43.06	140.0	35.97	1.194	.1995
#1	-.0040	-.0015	-.0029	.0048	.0041	-.0000	-.0025	533.3	396.6
#2	-.0052	-.0016	-.0028	.0025	.0076	-.0094	-.0043	542.4	397.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**191.8**	**522.5**	**.2384**	**-.0109**	**-.0033**	**.0015**	**.0042**	**.0117**	**-.0063**
Stddev	.2	.1	.0157	.0089	.0000	.0002	.0001	.0012	.0004
%RSD	.0980	.0236	6.599	81.91	.5608	13.41	1.637	10.49	6.289
#1	192.0	522.6	.2495	-.0171	-.0033	.0017	.0042	.0109	-.0066
#2	191.7	522.4	.2273	-.0046	-.0033	.0014	.0041	.0126	-.0060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 15:41:32 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**.0029**	**.0144**	**.0071**	**.0054**	**.0102**	**.0252**
Stddev	.0003	.0005	.0007	.0001	.0001	.0035	.0010
%RSD	6.228	15.48	5.024	1.543	1.826	34.15	4.080
#1	.0054	.0032	.0150	.0070	.0053	.0126	.0259
#2	.0049	.0026	.0139	.0072	.0055	.0077	.0244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**80018.**	**21070.**	**2452.3**	**5213.9**
Stddev	188.	20.	10.4	27.7
%RSD	.23556	.09570	.42527	.53116
#1	79885.	21084.	2459.7	5233.5
#2	80152.	21055.	2445.0	5194.3

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/15/2015 15:44:52 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5356**	**.5312**	**1.070**	**.5308**	**.5243**	**.5514**	**.5302**	**1.034**	**1.103**
Stddev	.0013	.0011	.004	.0031	.0017	.0001	.0012	.006	.006
%RSD	.2377	.1981	.3587	.5879	.3220	.0230	.2270	.5865	.5206
#1	.5347	.5305	1.073	.5330	.5255	.5515	.5310	1.038	1.107
#2	.5365	.5320	1.067	.5286	.5231	.5513	.5293	1.030	1.098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5163**	**1.014**	**1.060**	**.9958**	**1.017**	**1.057**	**1.082**	**510.1**	**394.9**
Stddev	.0013	.007	.017	.0066	.001	.002	.003	4.3	.9
%RSD	.2453	.6954	1.575	.6584	.0661	.1601	.2771	.8382	.2189
#1	.5172	1.019	1.072	1.000	1.016	1.058	1.084	507.1	395.6
#2	.5154	1.009	1.048	.9912	1.017	1.056	1.080	513.1	394.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**198.7**	**513.3**	**.2150**	**-.0079**	**.0002**	**.4971**	**.5562**	**.0130**	**-.0040**
Stddev	.4	1.2	.0048	.0031	.0008	.0024	.0034	.0007	.0008
%RSD	.2190	.2249	2.226	39.46	543.1	.4861	.6202	5.024	19.51
#1	198.4	512.5	.2116	-.0101	.0007	.4988	.5587	.0125	-.0046
#2	199.0	514.1	.2184	-.0057	-.0004	.4954	.5538	.0134	-.0035
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: icsab Acquired: 7/15/2015 15:44:52 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0051**	**.0025**	**.5356**	**.4900**	**.5569**	**.5204**	**.5809**
Stddev	.0002	.0003	.0010	.0013	.0050	.0000	.0010
%RSD	3.721	10.52	.1855	.2739	.9028	.0032	.1771
#1	.0050	.0026	.5363	.4909	.5604	.5204	.5802
#2	.0052	.0023	.5349	.4890	.5533	.5204	.5817
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81302.**	**21328.**	**2482.4**	**5249.6**
Stddev	141.	100.	7.2	6.0
%RSD	.17288	.46935	.29169	.11339
#1	81401.	21399.	2487.5	5253.8
#2	81202.	21257.	2477.3	5245.4

Zoom In Zoom Out

Sample Name: Feconf Acquired: 7/15/2015 15:48:02 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0002**	**.0001**	**.0010**	**.0006**	**.0029**	**.0032**	**.0006**	**.0021**	**.0041**
Stddev	.0000	.0000	.0004	.0003	.0000	.0001	.0002	.0004	.0003
%RSD	19.82	27.14	37.03	47.49	.0271	3.187	25.66	18.61	7.412
#1	.0003	.0001	.0013	.0008	.0029	.0031	.0005	.0018	.0039
#2	.0002	.0001	.0007	.0004	.0029	.0032	.0007	.0024	.0043

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0039**	**.0066**	**.0023**	**.0024**	**-.0000**	**.0028**	**.0009**	**.0106**	**.0283**
Stddev	.0001	.0000	.0022	.0019	.0003	.0026	.0010	.0024	.0006
%RSD	3.682	.6369	96.32	78.85	1255.	94.90	102.6	22.48	2.021
#1	-.0038	.0066	.0007	.0038	-.0002	.0046	.0016	.0089	.0287
#2	-.0040	.0067	.0039	.0011	.0002	.0009	.0003	.0123	.0279

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**198.7**	**.0323**	**.0916**	**.0010**	**-.0025**	**.0007**	**-.0001**	**.0045**	**-.0011**
Stddev	.4	.0123	.0072	.0027	.0008	.0003	.0007	.0013	.0004
%RSD	.1807	38.07	7.912	270.6	29.68	36.60	1011.	30.04	40.32
#1	198.4	.0410	.0864	-.0009	-.0031	.0009	-.0005	.0054	-.0014
#2	198.9	.0236	.0967	.0029	-.0020	.0005	.0004	.0035	-.0008

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0050**	**.0005**	**.0026**	**.0205**	**.0097**	**.0009**	**.0002**
Stddev	.0000	.0003	.0005	.0002	.0035	.0000	.0005
%RSD	.7565	56.93	17.73	.8986	36.28	2.451	238.8
#1	.0050	.0007	.0030	.0203	.0122	.0009	-.0001
#2	.0050	.0003	.0023	.0206	.0072	.0009	.0006

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94265.**	**22442.**	**2801.9**	**6735.0**
Stddev	56.	97.	12.8	12.8
%RSD	.05947	.43386	.45716	.19037
#1	94226.	22511.	2811.0	6744.0
#2	94305.	22373.	2792.8	6725.9

Zoom In Zoom Out

Sample Name: Crconf Acquired: 7/15/2015 15:51:12 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.0002**	**-.0000**	**-.0004**	**-.0005**	**11.22**	**.0043**	**-.0010**	**.0015**
Stddev	.0001	.0000	.0000	.0001	.00	.0001	.0001	.0004
%RSD	67.35	20.48	3.226	15.45	.0030	3.290	7.682	25.25
#1	.0001	-.0000	-.0004	-.0005	11.22	.0044	-.0010	.0018
#2	.0003	-.0000	-.0004	-.0006	11.22	.0042	-.0009	.0012

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0002**	**.0001**	W **-.0039**	**-.0004**	**.0013**	**-.0020**	**.0027**	**-.0010**
Stddev	.0005	.0006	.0003	.0008	.0004	.0019	.0019	.0008
%RSD	260.6	708.6	7.279	197.5	27.53	94.86	69.55	87.88
#1	.0005	.0005	-.0037	-.0009	.0015	-.0034	.0014	-.0004
#2	-.0002	-.0003	-.0041	.0002	.0010	-.0007	.0040	-.0016

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**.0087**	**.0265**	**.0163**	**.0056**	**.0444**	**-.0049**	**.0002**	**.0006**
Stddev	.0035	.0003	.0005	.0017	.0146	.0029	.0000	.0000
%RSD	40.38	1.007	2.991	29.96	32.97	59.07	19.05	6.219
#1	.0062	.0263	.0159	.0067	.0341	-.0029	.0002	.0005
#2	.0111	.0267	.0166	.0044	.0548	-.0070	.0001	.0006

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0002**	**.0014**	**-.0006**	**.0001**	**.0013**	**.0044**	**.0020**	**.0067**
Stddev	.0005	.0024	.0001	.0000	.0002	.0007	.0000	.0010
%RSD	296.3	175.7	8.472	27.37	11.97	15.14	1.236	15.42
#1	-.0002	-.0003	-.0006	.0001	.0012	.0039	.0020	.0060
#2	.0005	.0031	-.0006	.0001	.0014	.0049	.0020	.0075

Elem	Bi2230	Li6707
Avg	**-.0026**	**.0000**
Stddev	.0008	.0001
%RSD	30.10	265.5
#1	-.0021	.0001
#2	-.0032	-.0000

Zoom In Zoom Out

Sample Name: Crconf Acquired: 7/15/2015 15:51:12 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95145.**	**22218.**	**2780.6**	**6790.9**
Stddev	176.	49.	16.3	19.9
%RSD	.18453	.22189	.58507	.29237
#1	95269.	22183.	2792.1	6776.9
#2	95020.	22253.	2769.1	6804.9

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 15:54:22 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.130**	**2.144**	**2.123**	**2.123**	**2.145**	**2.085**	**2.148**	**2.125**	**.2601**
Stddev	.001	.011	.003	.004	.017	.008	.011	.001	.0002
%RSD	.0503	.5116	.1411	.1914	.7749	.3978	.5212	.0591	.0624
#1	2.130	2.136	2.121	2.126	2.133	2.079	2.140	2.126	.2602
#2	2.129	2.152	2.125	2.120	2.157	2.091	2.156	2.124	.2600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.121**	**2.154**	**2.099**	**2.163**	**2.130**	**2.116**	**2.120**	**41.94**	**42.63**
Stddev	.009	.009	.006	.005	.007	.004	.004	.10	.17
%RSD	.4293	.4003	.2657	.2328	.3327	.2150	.1707	.2282	.3886
#1	2.114	2.148	2.095	2.166	2.135	2.113	2.123	41.88	42.51
#2	2.127	2.161	2.103	2.159	2.125	2.119	2.118	42.01	42.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.70**	**42.02**	**42.32**	**42.31**	**2.133**	**2.148**	**2.108**	**5.281**	**2.178**
Stddev	.27	.37	.11	.01	.006	.005	.012	.017	.003
%RSD	.6354	.8799	.2594	.0226	.3061	.2539	.5842	.3166	.1274
#1	42.50	41.76	42.25	42.31	2.138	2.145	2.100	5.269	2.180
#2	42.89	42.28	42.40	42.32	2.129	2.152	2.117	5.293	2.176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 15:54:22 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.152**	**2.133**	**2.146**	**2.120**	**2.109**	**2.143**	**2.100**
Stddev	.003	.010	.001	.009	.011	.014	.003
%RSD	.1439	.4869	.0416	.4337	.5002	.6418	.1462
#1	2.149	2.125	2.146	2.114	2.116	2.153	2.098
#2	2.154	2.140	2.147	2.127	2.101	2.133	2.103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88903.**	**21789.**	**2669.2**	**5995.0**
Stddev	370.	101.	14.6	8.4
%RSD	.41619	.46512	.54583	.14048
#1	89165.	21861.	2679.5	6000.9
#2	88642.	21718.	2658.9	5989.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 15:57:14 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**.0003**	**.0002**	**.0003**	**.0005**	**.0001**	**.0001**	**.0005**
Stddev	.0001	.0000	.0001	.0001	.0003	.0005	.0001	.0002	.0003
%RSD	49.83	61.26	26.08	25.63	96.10	93.18	86.88	149.6	71.35
#1	.0002	.0001	.0004	.0003	.0001	.0009	.0002	-.0000	.0002
#2	.0004	.0000	.0003	.0002	.0004	.0002	.0000	.0003	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0003**	**.0005**	**-.0001**	**-.0003**	F **.0030**	**.0006**	**.0014**	**.0045**
Stddev	.0001	.0003	.0001	.0006	.0001	.0013	.0004	.0005	.0057
%RSD	58.41	102.0	13.02	948.0	32.59	42.09	63.70	36.73	125.8
#1	.0001	-.0001	.0005	.0003	-.0002	.0039	.0004	.0018	.0005
#2	.0002	-.0006	.0006	-.0005	-.0004	.0021	.0009	.0010	.0085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						.0030			
Low Limit						-.0030			

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0047**	**.0065**	**.0543**	**.0021**	**.0011**	**.0017**	**-.0002**	**-.0010**	**.0012**
Stddev	.0005	.0061	.0104	.0047	.0002	.0003	.0009	.0003	.0001
%RSD	9.766	92.90	19.12	224.0	16.86	18.86	441.7	25.08	12.45
#1	.0050	.0022	.0616	-.0012	.0013	.0015	-.0009	-.0012	.0013
#2	.0044	.0108	.0469	.0054	.0010	.0019	.0004	-.0008	.0011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 15:57:14 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0006**	**.0022**	**.0008**	**.0039**	**.0016**	**.0005**
Stddev	.0000	.0006	.0005	.0000	.0001	.0004	.0004
%RSD	4.681	101.0	22.29	1.586	3.483	21.88	78.32
#1	.0001	.0010	.0019	.0008	.0039	.0019	.0002
#2	.0001	.0002	.0026	.0008	.0040	.0014	.0008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94910.**	**21914.**	**2824.7**	**6814.9**
Stddev	129.	88.	5.2	16.6
%RSD	.13639	.39945	.18313	.24384
#1	94819.	21976.	2821.0	6803.2
#2	95002.	21853.	2828.3	6826.7

Zoom In Zoom Out

Sample Name: mp87652-mb1conf Acquired: 7/15/2015 16:00:22 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: mp87652

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0025**	**.0001**	**-.0001**	**.0001**	**.0001**	**.0012**	**.0006**	**.0004**	**.0004**
Stddev	.0000	.0000	.0005	.0002	.0001	.0004	.0001	.0001	.0002
%RSD	.9169	4.615	738.8	221.0	111.3	29.98	12.10	12.63	56.43
#1	.0024	.0001	-.0004	.0002	.0000	.0014	.0007	.0005	.0002
#2	.0025	.0001	.0003	-.0001	.0002	.0009	.0006	.0004	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0005**	**.0010**	**.0002**	**.0010**	**.0005**	**-.0006**	**.0001**	**.0454**	**.1715**
Stddev	.0004	.0003	.0002	.0006	.0016	.0005	.0005	.0032	.0021
%RSD	75.85	27.76	95.27	59.80	298.2	88.84	375.8	7.037	1.232
#1	.0002	.0012	.0001	.0006	.0016	-.0009	-.0002	.0476	.1730
#2	.0008	.0008	.0004	.0014	-.0006	-.0002	.0005	.0431	.1700

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0470**	**.0545**	**.0468**	**.0333**	**.0031**	**.0003**	**.0008**	**.0215**	**.0215**
Stddev	.0003	.0088	.0204	.0002	.0005	.0003	.0011	.0008	.0001
%RSD	.6484	16.20	43.54	.6640	14.55	93.08	134.3	3.679	.3417
#1	.0472	.0607	.0612	.0331	.0035	.0005	.0000	.0209	.0215
#2	.0468	.0483	.0324	.0334	.0028	.0001	.0016	.0220	.0216

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0008**	**.0019**	**-.0023**	**.0008**	**.0079**	**.0009**	**-.0001**
Stddev	.0000	.0000	.0002	.0001	.0020	.0031	.0002
%RSD	3.547	.6098	9.922	11.15	24.77	348.4	390.9
#1	.0008	.0019	-.0021	.0009	.0065	-.0013	-.0002
#2	.0008	.0019	-.0024	.0008	.0093	.0031	.0001

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95976.**	**23132.**	**2845.3**	**6932.1**
Stddev	349.	30.	11.8	1.8
%RSD	.36391	.12772	.41564	.02583
#1	95729.	23153.	2853.7	6933.4
#2	96223.	23111.	2836.9	6930.9

Zoom In Zoom Out

Sample Name: mp87652-s1 2 Acquired: 7/15/2015 16:03:31 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.466**	**2.147**	**2.092**	**2.107**	**3.487**	**2.169**	**2.887**	**2.189**	**.2659**
Stddev	.005	.006	.003	.012	.024	.007	.013	.007	.0003
%RSD	.1895	.2861	.1487	.5876	.6743	.3142	.4330	.3403	.1168
#1	2.462	2.142	2.095	2.116	3.471	2.164	2.878	2.194	.2661
#2	2.469	2.151	2.090	2.098	3.504	2.174	2.896	2.184	.2657

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.898**	**3.071**	**2.495**	**2.035**	**2.238**	**2.038**	**.9559**	**265.9**	**39.35**
Stddev	.026	.013	.004	.012	.017	.013	.0081	1.1	.17
%RSD	.6743	.4222	.1794	.5895	.7793	.6368	.8470	.4112	.4444
#1	3.880	3.080	2.498	2.043	2.250	2.047	.9616	265.2	39.23
#2	3.917	3.061	2.491	2.026	2.225	2.029	.9501	266.7	39.48

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**921.6**	**80.79**	**168.9**	**26.41**	**2.954**	**2.037**	**1.443**	**4.262**	**2.010**
Stddev	4.8	.43	.6	.04	.004	.011	.003	.001	.017
%RSD	.5164	.5375	.3827	.1665	.1454	.5176	.2241	.0250	.8635
#1	918.2	80.48	168.4	26.38	2.957	2.044	1.445	4.261	2.022
#2	925.0	81.10	169.3	26.44	2.951	2.029	1.440	4.263	1.998

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.290**	**5.786**	**1.556**	**1.998**	**1.212**	**.0011**	**.1702**
Stddev	.005	.026	.004	.008	.014	.0133	.0000
%RSD	.2131	.4525	.2387	.4144	1.155	1178.	.0256
#1	2.286	5.767	1.559	1.992	1.222	.0105	.1701
#2	2.293	5.804	1.554	2.004	1.202	-.0083	.1702

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90258.**	**22306.**	**2712.8**	**6197.4**
Stddev	456.	203.	6.7	1.0
%RSD	.50537	.90903	.24584	.01665
#1	90581.	22450.	2717.5	6196.7
#2	89936.	22163.	2708.0	6198.1

Zoom In Zoom Out

Sample Name: mp87652-s2 Acquired: 7/15/2015 16:06:27 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.315**	**1.973**	**1.903**	**1.924**	**3.189**	**1.989**	**2.796**	**2.008**	**.2483**
Stddev	.035	.028	.034	.023	.003	.004	.007	.020	.0004
%RSD	1.509	1.427	1.801	1.214	.0834	.1968	.2629	.9910	.1418
#1	2.339	1.993	1.927	1.941	3.187	1.992	2.801	2.022	.2486
#2	2.290	1.953	1.878	1.908	3.191	1.986	2.791	1.994	.2481

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**3.675**	**2.876**	**2.293**	**1.866**	**2.090**	**1.840**	**.8189**	**266.2**	**37.14**
Stddev	.009	.054	.016	.015	.003	.019	.0098	3.8	.43
%RSD	.2447	1.892	.7088	.8025	.1500	1.056	1.203	1.438	1.170
#1	3.682	2.915	2.304	1.876	2.092	1.854	.8259	268.9	37.45
#2	3.669	2.838	2.282	1.855	2.088	1.827	.8119	263.5	36.83

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**916.0**	**75.74**	**154.4**	**24.46**	**2.676**	**1.845**	**1.261**	**4.160**	**1.826**
Stddev	11.0	.70	2.5	.33	.023	.017	.004	.044	.016
%RSD	1.197	.9269	1.594	1.329	.8550	.8978	.3371	1.063	.8686
#1	923.8	76.24	156.1	24.69	2.692	1.857	1.264	4.191	1.837
#2	908.3	75.25	152.7	24.23	2.660	1.833	1.258	4.129	1.815

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.113**	**5.559**	**1.276**	**1.803**	**1.421**	**.0003**	**.1759**
Stddev	.031	.008	.018	.001	.015	.0049	.0014
%RSD	1.482	.1378	1.407	.0680	1.079	1476.	.8086
#1	2.135	5.564	1.289	1.804	1.432	-.0031	.1769
#2	2.091	5.553	1.264	1.802	1.410	.0038	.1748

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93894.**	**23148.**	**2833.6**	**6440.3**
Stddev	13.	259.	36.8	33.1
%RSD	.01359	1.1202	1.2993	.51328
#1	93903.	22965.	2807.6	6416.9
#2	93885.	23332.	2859.6	6463.7

Zoom In Zoom Out

Sample Name: jb98503-7 Acquired: 7/15/2015 16:09:23 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2765**	**.0181**	**.0042**	**.0556**	**1.063**	**.0729**	**.7477**	**.1253**	**.0142**
Stddev	.0005	.0001	.0014	.0009	.006	.0007	.0022	.0011	.0066
%RSD	.1755	.4417	34.02	1.608	.5494	.9864	.2946	.8721	46.56
#1	.2768	.0180	.0052	.0562	1.059	.0734	.7462	.1261	.0189
#2	.2761	.0181	.0032	.0550	1.067	.0724	.7493	.1245	.0095

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.540**	**.8577**	**.4275**	**.0060**	**.2217**	**.0141**	**-.0021**	**175.9**	**11.61**
Stddev	.008	.0101	.0033	.0106	.0085	.0035	.0000	.4	.07
%RSD	.5459	1.183	.7783	176.2	3.838	24.41	1.604	.2326	.6310
#1	1.534	.8649	.4298	.0135	.2157	.0166	-.0021	176.2	11.66
#2	1.546	.8506	.4251	-.0015	.2277	.0117	-.0021	175.6	11.56

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**762.5**	**38.64**	**93.33**	**.2267**	**.6512**	**.0059**	**.0017**	**2.481**	**.0196**
Stddev	2.9	.16	.29	.0096	.0092	.0005	.0049	.043	.0001
%RSD	.3764	.4133	.3156	4.253	1.411	8.262	281.6	1.742	.5057
#1	764.5	38.76	93.54	.2198	.6577	.0055	-.0017	2.511	.0196
#2	760.5	38.53	93.13	.2335	.6447	.0062	.0052	2.450	.0195

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1249**	**2.810**	**.0085**	**.1015**	**1.196**	**.0008**	**.1060**
Stddev	.0004	.012	.0056	.0004	.021	.0046	.0003
%RSD	.3128	.4097	65.65	.3943	1.778	606.3	.3090
#1	.1246	2.802	.0045	.1012	1.211	-.0025	.1063
#2	.1252	2.819	.0124	.1017	1.181	.0040	.1058

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95638.**	**23529.**	**2885.4**	**6618.9**
Stddev	127.	149.	8.0	12.1
%RSD	.13298	.63483	.27633	.18305
#1	95728.	23424.	2879.8	6610.4
#2	95548.	23635.	2891.1	6627.5

Zoom In Zoom Out

Sample Name: mp87652-sd1 Acquired: 7/15/2015 16:12:37 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 15.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2803**	**.0191**	**.0043**	**.0599**	**1.102**	**.0850**	**.7832**	**.1317**	**.0723**
Stddev	.0000	.0004	.0059	.0063	.016	.0092	.0018	.0122	.0034
%RSD	.0004	2.282	137.5	10.54	1.487	10.85	.2359	9.248	4.687
#1	.2803	.0194	.0084	.0644	1.114	.0785	.7819	.1404	.0699
#2	.2803	.0188	.0001	.0554	1.091	.0915	.7845	.1231	.0747

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.605**	**.8945**	**.4511**	**.0064**	**.2088**	**.0507**	**.0310**	**176.8**	**12.11**
Stddev	.005	.0121	.0084	.0062	.0200	.0203	.0068	.3	.02
%RSD	.2919	1.350	1.852	96.13	9.584	40.00	21.88	.1439	.1665
#1	1.608	.9030	.4452	.0021	.1947	.0650	.0358	176.6	12.10
#2	1.601	.8859	.4570	.0108	.2230	.0364	.0262	176.9	12.13

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**814.5**	**40.05**	**94.33**	**.2329**	**.6797**	**.0089**	**.0339**	**2.704**	**.0522**
Stddev	1.0	.24	.11	.0044	.0013	.0018	.0121	.018	.0161
%RSD	.1233	.6041	.1184	1.882	.1935	20.08	35.81	.6664	30.87
#1	813.7	39.88	94.25	.2360	.6787	.0076	.0253	2.691	.0636
#2	815.2	40.22	94.41	.2298	.6806	.0101	.0424	2.717	.0408

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1273**	**2.910**	**.0368**	**.1189**	**1.254**	**-.0151**	**.1254**
Stddev	.0019	.011	.0028	.0055	.015	.0002	.0110
%RSD	1.455	.3658	7.691	4.666	1.169	1.501	8.747
#1	.1260	2.918	.0348	.1150	1.244	-.0149	.1176
#2	.1286	2.902	.0388	.1228	1.264	-.0152	.1332

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98090.**	**23200.**	**2916.7**	**6886.4**
Stddev	298.	1.	10.1	8.0
%RSD	.30394	.00453	.34475	.11600
#1	97879.	23200.	2923.8	6892.0
#2	98300.	23199.	2909.6	6880.7

Zoom In Zoom Out

Sample Name: mp87653-mb1conf Acquired: 7/15/2015 16:15:34 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: mp87653

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0006**	**.0001**	**.0002**	**.0004**	**.0002**	**.0015**	**.0006**	**.0008**	**-.0000**
Stddev	.0001	.0000	.0001	.0005	.0000	.0004	.0000	.0002	.0004
%RSD	20.98	7.347	81.50	126.2	15.33	28.29	7.234	21.13	22340.
#1	.0005	.0001	.0002	.0000	.0002	.0018	.0007	.0007	-.0003
#2	.0006	.0001	.0001	.0007	.0001	.0012	.0006	.0009	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0006**	**.0018**	**.0015**	**.0005**	**-.0001**	**-.0023**	**-.0003**	**.0286**	**.1779**
Stddev	.0000	.0000	.0013	.0009	.0015	.0017	.0000	.0031	.0017
%RSD	3.627	2.552	89.28	162.0	2322.	73.46	7.156	10.86	.9637
#1	.0006	.0017	.0005	.0012	.0010	-.0011	-.0003	.0264	.1767
#2	.0006	.0018	.0024	-.0001	-.0011	-.0036	-.0003	.0308	.1791

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0394**	**.0263**	**.0449**	**.0205**	**.0016**	**-.0001**	**-.0008**	**.0132**	**.0166**
Stddev	.0000	.0090	.0055	.0022	.0011	.0003	.0018	.0012	.0004
%RSD	.1195	34.16	12.18	10.82	71.36	331.8	219.1	9.165	2.501
#1	.0394	.0326	.0411	.0190	.0024	.0001	.0005	.0140	.0169
#2	.0394	.0199	.0488	.0221	.0008	-.0003	-.0021	.0123	.0163

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0008**	**.0024**	**-.0024**	**.0012**	**.0093**	**.0026**	**.0002**
Stddev	.0000	.0003	.0002	.0001	.0006	.0004	.0001
%RSD	4.429	10.92	10.05	9.407	6.189	14.69	22.39
#1	.0007	.0023	-.0023	.0011	.0089	.0024	.0003
#2	.0008	.0026	-.0026	.0013	.0097	.0029	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99645.**	**23770.**	**2936.2**	**7175.5**
Stddev	60.	40.	16.0	31.3
%RSD	.06007	.16707	.54448	.43617
#1	99688.	23798.	2924.9	7153.3
#2	99603.	23741.	2947.5	7197.6

Zoom In Zoom Out

Sample Name: mp87653-s1 2 Acquired: 7/15/2015 16:18:33 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.132**	**1.927**	**1.960**	**2.038**	**1.950**	**2.530**	**3.432**	**2.033**	**.2419**
Stddev	.002	.005	.010	.002	.000	.008	.001	.001	.0032
%RSD	.0980	.2745	.5278	.0807	.0036	.3157	.0267	.0575	1.311
#1	2.131	1.923	1.967	2.039	1.950	2.525	3.432	2.032	.2442
#2	2.134	1.930	1.953	2.037	1.950	2.536	3.431	2.033	.2397

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.649**	**2.555**	**1.881**	**1.948**	**1.961**	**1.892**	**1.146**	**124.4**	**527.7**
Stddev	.003	.011	.004	.017	.012	.005	.008	.2	4.9
%RSD	.0942	.4259	.1886	.8867	.5970	.2714	.6705	.1641	.9379
#1	2.648	2.562	1.878	1.936	1.953	1.888	1.151	124.3	524.2
#2	2.651	2.547	1.883	1.960	1.970	1.895	1.140	124.6	531.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**209.1**	**79.27**	**42.44**	**37.34**	**1.924**	**1.884**	**1.408**	**2.672**	**1.837**
Stddev	.7	.43	.05	.14	.003	.002	.003	.008	.001
%RSD	.3132	.5471	.1238	.3793	.1653	.1288	.2380	.3026	.0630
#1	208.6	78.96	42.40	37.24	1.922	1.886	1.405	2.667	1.838
#2	209.5	79.58	42.48	37.44	1.926	1.882	1.410	2.678	1.836

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.438**	**9.054**	**1.031**	**2.037**	**13.85**	**.0209**	**.0945**
Stddev	.009	.014	.001	.005	.04	.0013	.0009
%RSD	.2077	.1512	.0783	.2470	.2562	6.142	.9864
#1	4.431	9.045	1.030	2.034	13.83	.0218	.0951
#2	4.444	9.064	1.031	2.041	13.88	.0200	.0938

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91563.**	**22877.**	**2713.4**	**5931.5**
Stddev	44.	72.	15.9	2.6
%RSD	.04764	.31341	.58548	.04428
#1	91533.	22928.	2702.1	5933.3
#2	91594.	22826.	2724.6	5929.6

Zoom In Zoom Out

Sample Name: mp87653-s2 Acquired: 7/15/2015 16:21:24 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.085**	**1.846**	**1.867**	**1.957**	**1.882**	**2.707**	**3.826**	**1.912**	**.2354**
Stddev	.001	.006	.026	.003	.017	.002	.018	.003	.0029
%RSD	.0690	.3369	1.376	.1356	.8780	.0635	.4666	.1380	1.242
#1	2.084	1.842	1.848	1.959	1.871	2.706	3.814	1.910	.2334
#2	2.086	1.851	1.885	1.956	1.894	2.708	3.839	1.913	.2375

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.390**	**3.860**	**1.793**	**1.880**	**1.907**	**1.834**	**1.143**	**94.58**	**530.9**
Stddev	.003	.046	.026	.011	.021	.001	.001	.37	1.6
%RSD	.1227	1.186	1.448	.5757	1.113	.0413	.1054	.3892	.3086
#1	2.388	3.827	1.775	1.887	1.922	1.834	1.142	94.32	529.8
#2	2.392	3.892	1.812	1.872	1.892	1.833	1.144	94.84	532.1

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**214.6**	**70.69**	**35.74**	**33.07**	**1.885**	**1.808**	**1.336**	**2.831**	**1.780**
Stddev	.7	.62	.08	.02	.001	.002	.021	.007	.007
%RSD	.3028	.8835	.2171	.0668	.0364	.1068	1.575	.2478	.4227
#1	214.2	70.25	35.69	33.05	1.885	1.810	1.321	2.826	1.785
#2	215.1	71.13	35.80	33.09	1.886	1.807	1.351	2.836	1.775

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.282**	**8.533**	**1.093**	**1.999**	**16.94**	**.0244**	**.0874**
Stddev	.001	.029	.006	.009	.03	.0022	.0012
%RSD	.0295	.3447	.5947	.4555	.1596	9.195	1.378
#1	4.281	8.512	1.098	1.992	16.92	.0229	.0865
#2	4.283	8.554	1.089	2.005	16.96	.0260	.0882

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**91239.**	**22914.**	**2735.0**	**5969.1**
Stddev	294.	198.	38.3	11.2
%RSD	.32241	.86262	1.3992	.18680
#1	91447.	23054.	2762.1	5977.0
#2	91031.	22775.	2708.0	5961.2

Zoom In Zoom Out

Sample Name: jb98525-10 Acquired: 7/15/2015 16:24:13 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2245**	**.0021**	**.0015**	**.0951**	**.0658**	**.5277**	**1.197**	**.0818**	**.0084**
Stddev	.0005	.0001	.0001	.0017	.0011	.0054	.000	.0014	.0017
%RSD	.2101	5.518	4.963	1.828	1.647	1.022	.0298	1.726	20.21
#1	.2242	.0022	.0016	.0963	.0651	.5315	1.197	.0828	.0072
#2	.2249	.0020	.0015	.0938	.0666	.5239	1.198	.0808	.0095

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3719**	**1.680**	**.0135**	**.0002**	**.0329**	**.0047**	**-.0003**	**65.55**	**499.4**
Stddev	.0042	.015	.0005	.0021	.0019	.0062	.0002	.09	2.1
%RSD	1.127	.8770	3.921	1124.	5.852	133.0	76.93	.1300	.4255
#1	.3748	1.691	.0131	.0017	.0343	.0091	-.0004	65.49	497.9
#2	.3689	1.670	.0139	-.0013	.0316	.0003	-.0001	65.61	500.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**154.3**	**50.10**	**10.25**	**7.459**	**.0838**	**.0034**	**.0115**	**1.573**	**.0238**
Stddev	.2	.19	.07	.016	.0009	.0001	.0033	.014	.0008
%RSD	.1128	.3856	.6834	.2126	1.106	1.489	28.60	.8577	3.466
#1	154.2	49.97	10.20	7.447	.0845	.0035	.0139	1.582	.0244
#2	154.4	50.24	10.29	7.470	.0832	.0034	.0092	1.563	.0232

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.669**	**8.174**	**.0533**	**.1681**	**16.27**	**.0191**	**.0896**
Stddev	.003	.006	.0029	.0026	.16	.0037	.0007
%RSD	.1151	.0728	5.412	1.519	1.000	19.34	.7423
#1	2.667	8.170	.0553	.1700	16.38	.0165	.0892
#2	2.671	8.178	.0512	.1663	16.15	.0217	.0901

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92607.**	**22825.**	**2756.4**	**6089.7**
Stddev	74.	13.	6.8	5.7
%RSD	.08004	.05701	.24575	.09300
#1	92555.	22834.	2751.6	6085.7
#2	92660.	22816.	2761.2	6093.8

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 16:27:11 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.007**	**1.997**	**1.995**	**2.006**	**2.004**	**1.957**	**2.023**	**2.017**	**.2450**
Stddev	.003	.001	.007	.008	.008	.013	.002	.008	.0004
%RSD	.1642	.0663	.3387	.4206	.3784	.6571	.0900	.3993	.1703
#1	2.004	1.996	1.999	2.012	2.009	1.966	2.025	2.023	.2453
#2	2.009	1.998	1.990	2.000	1.998	1.948	2.022	2.012	.2447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.008**	**2.029**	**1.976**	**2.047**	**2.019**	**1.994**	**1.992**	**39.48**	**39.45**
Stddev	.004	.006	.007	.008	.003	.014	.004	.03	.00
%RSD	.1719	.3032	.3403	.3695	.1509	.7207	.1783	.0712	.0052
#1	2.011	2.033	1.981	2.053	2.022	2.005	1.995	39.46	39.45
#2	2.006	2.025	1.971	2.042	2.017	1.984	1.990	39.50	39.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.07**	**39.26**	**39.46**	**39.80**	**2.009**	**2.027**	**1.971**	**4.962**	**2.045**
Stddev	.01	.00	.06	.04	.010	.010	.017	.029	.003
%RSD	.0125	.0008	.1411	.0967	.4905	.5140	.8736	.5744	.1685
#1	40.07	39.26	39.42	39.78	2.016	2.034	1.983	4.982	2.047
#2	40.07	39.26	39.50	39.83	2.002	2.020	1.958	4.942	2.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 16:27:11 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.019**	**2.007**	**2.029**	**1.993**	**1.995**	**2.015**	**1.973**
Stddev	.004	.006	.014	.003	.026	.014	.002
%RSD	.2187	.3098	.7118	.1318	1.293	.7023	.1127
#1	2.016	2.011	2.039	1.995	2.014	2.025	1.971
#2	2.022	2.002	2.019	1.991	1.977	2.005	1.974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92952.**	**22824.**	**2798.3**	**6253.5**
Stddev	50.	34.	9.6	23.2
%RSD	.05327	.14919	.34255	.37114
#1	92917.	22800.	2791.6	6237.1
#2	92987.	22848.	2805.1	6270.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 16:29:51 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0000**	**-.0000**	**.0002**	**.0005**	**.0001**	**.0004**	**-.0001**
Stddev	.0002	.0000	.0001	.0003	.0003	.0005	.0001	.0002	.0003
%RSD	507.9	31.11	387.3	1461.	170.5	105.3	64.14	44.83	233.3
#1	.0002	.0001	-.0000	-.0003	.0004	.0001	.0001	.0006	.0001
#2	-.0001	.0001	.0001	.0002	-.0000	.0008	.0002	.0003	-.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0003**	**.0009**	**.0011**	**-.0003**	**-.0007**	**.0021**	**.0061**	**.0033**
Stddev	.0004	.0002	.0006	.0015	.0014	.0013	.0008	.0092	.0027
%RSD	200.0	65.06	70.74	145.3	446.7	180.5	39.52	151.6	81.43
#1	-.0001	-.0005	.0014	.0021	.0007	.0002	.0015	-.0004	.0014
#2	.0004	-.0002	.0005	-.0000	-.0013	-.0016	.0026	.0126	.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**-.0039**	**.0384**	**.0129**	**.0019**	**.0015**	**-.0020**	**-.0004**	**.0005**
Stddev	.0005	.0078	.0010	.0022	.0006	.0003	.0005	.0001	.0002
%RSD	11.63	197.8	2.605	17.06	33.40	23.10	22.45	18.03	32.52
#1	.0049	-.0095	.0377	.0144	.0023	.0012	-.0023	-.0003	.0006
#2	.0041	.0016	.0391	.0113	.0014	.0017	-.0017	-.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 16:29:51 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0003**	**.0010**	**.0005**	**.0051**	**-.0004**	**.0006**
Stddev	.0001	.0002	.0003	.0002	.0030	.0012	.0004
%RSD	206.6	53.42	33.24	32.03	59.80	287.8	65.89
#1	.0001	.0002	.0008	.0004	.0073	-.0012	.0009
#2	-.0000	.0004	.0012	.0006	.0029	.0004	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98874.**	**23120.**	**2937.8**	**7084.8**
Stddev	255.	128.	.3	7.0
%RSD	.25742	.55177	.00896	.09879
#1	99054.	23211.	2937.6	7079.9
#2	98694.	23030.	2938.0	7089.8

Zoom In Zoom Out

Sample Name: mp87678-mb1 2 Acquired: 7/15/2015 16:35:07 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: mp87678

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0005**	**.0001**	**.0002**	**.0001**	**.0001**	**.0015**	**.0005**	**.0010**	**.0002**
Stddev	.0000	.0000	.0000	.0001	.0003	.0000	.0000	.0004	.0009
%RSD	8.310	3.965	7.227	78.12	251.4	2.241	7.795	42.45	374.0
#1	.0006	.0001	.0002	.0000	-.0001	.0015	.0006	.0007	.0009
#2	.0005	.0001	.0002	.0001	.0003	.0015	.0005	.0013	-.0004

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0004**	**.0037**	**-.0003**	**.0005**	**-.0004**	**-.0008**	**-.0001**	**.0275**	**.1324**
Stddev	.0004	.0001	.0002	.0007	.0006	.0016	.0010	.0072	.0014
%RSD	104.0	1.901	65.91	135.2	157.2	206.3	1673.	26.08	1.090
#1	.0007	.0037	-.0002	.0000	.0000	-.0019	-.0008	.0224	.1314
#2	.0001	.0037	-.0005	.0010	-.0008	.0004	.0007	.0326	.1334

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0321**	**.0388**	**.0521**	**.0329**	**.0019**	**-.0000**	**-.0005**	**.0150**	**.0228**
Stddev	.0002	.0019	.0112	.0041	.0002	.0002	.0008	.0005	.0006
%RSD	.6511	4.894	21.40	12.33	11.17	626.5	164.3	3.012	2.771
#1	.0319	.0402	.0442	.0300	.0021	-.0002	-.0010	.0153	.0223
#2	.0322	.0375	.0600	.0358	.0018	.0001	.0001	.0146	.0232

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0005**	**.0019**	**-.0016**	**.0010**	**.0057**	**.0010**	**.0005**
Stddev	.0000	.0002	.0010	.0000	.0003	.0006	.0003
%RSD	2.447	11.51	63.94	.2910	5.993	65.19	53.11
#1	.0005	.0021	-.0009	.0010	.0059	.0005	.0007
#2	.0005	.0018	-.0024	.0010	.0054	.0015	.0003

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99959.**	**23839.**	**2921.3**	**7152.3**
Stddev	215.	66.	1.6	7.0
%RSD	.21461	.27624	.05371	.09850
#1	100110.	23886.	2922.4	7157.3
#2	99807.	23793.	2920.2	7147.3

Zoom In Zoom Out

Sample Name: mp87678-b1 Acquired: 7/15/2015 16:38:06 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.912**	**1.911**	**1.924**	**1.888**	**1.892**	**1.881**	**1.918**	**1.890**	**.2270**
Stddev	.007	.001	.003	.002	.014	.002	.007	.003	.0018
%RSD	.3489	.0573	.1419	.1047	.7485	.0870	.3898	.1463	.8112
#1	1.908	1.910	1.922	1.889	1.902	1.880	1.923	1.888	.2284
#2	1.917	1.912	1.926	1.886	1.882	1.882	1.913	1.892	.2257

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.886**	**1.934**	**1.857**	**1.974**	**1.904**	**1.900**	**1.897**	**23.73**	**23.86**
Stddev	.005	.000	.003	.003	.004	.003	.007	.04	.08
%RSD	.2817	.0141	.1630	.1245	.2242	.1472	.3700	.1873	.3491
#1	1.890	1.934	1.855	1.972	1.901	1.898	1.892	23.70	23.92
#2	1.882	1.934	1.859	1.975	1.907	1.902	1.902	23.76	23.80

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**22.79**	**23.32**	**23.83**	**24.11**	**1.877**	**1.912**	**1.336**	**.1351**	**1.975**
Stddev	.03	.06	.07	.08	.009	.003	.006	.0049	.008
%RSD	.1512	.2359	.2774	.3172	.4900	.1339	.4304	3.648	.4057
#1	22.76	23.36	23.79	24.06	1.871	1.910	1.340	.1316	1.970
#2	22.81	23.28	23.88	24.17	1.884	1.913	1.332	.1386	1.981

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.922**	**1.885**	**1.528**	**1.855**	**.0237**	**.0066**	**.0010**
Stddev	.006	.008	.006	.003	.0008	.0000	.0007
%RSD	.3408	.4415	.4061	.1361	3.423	.0037	66.61
#1	1.917	1.891	1.533	1.857	.0231	.0066	.0005
#2	1.927	1.879	1.524	1.853	.0242	.0066	.0015

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95363.**	**23304.**	**2823.6**	**6499.2**
Stddev	147.	91.	15.8	25.4
%RSD	.15409	.39016	.55852	.39111
#1	95259.	23239.	2834.7	6517.2
#2	95467.	23368.	2812.4	6481.2

Zoom In Zoom Out

Sample Name: mp87678-s1 Acquired: 7/15/2015 16:40:48 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.184**	**2.014**	**1.966**	**1.988**	**2.072**	**2.014**	**2.047**	**2.005**	**.2386**
Stddev	.002	.001	.015	.016	.004	.009	.006	.017	.0026
%RSD	.0763	.0525	.7773	.7856	.2184	.4408	.3013	.8509	1.076
#1	2.183	2.013	1.977	1.999	2.075	2.021	2.052	2.017	.2404
#2	2.185	2.014	1.955	1.976	2.069	2.008	2.043	1.993	.2368

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.087**	**2.019**	**1.904**	**1.995**	**2.005**	**1.925**	**1.402**	**128.2**	**28.35**
Stddev	.008	.012	.020	.024	.015	.012	.015	.1	.04
%RSD	.3893	.5880	1.050	1.180	.7272	.6309	1.083	.0719	.1240
#1	2.093	2.027	1.918	2.011	2.015	1.934	1.413	128.1	28.38
#2	2.082	2.010	1.890	1.978	1.994	1.917	1.391	128.2	28.33

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**80.21**	**28.08**	**31.74**	**25.40**	**1.907**	**1.958**	**1.505**	**5.259**	**1.956**
Stddev	.02	.04	.03	.05	.019	.016	.001	.051	.015
%RSD	.0217	.1396	.1038	.2017	.9997	.8247	.0879	.9736	.7616
#1	80.19	28.10	31.76	25.43	1.921	1.970	1.506	5.295	1.966
#2	80.22	28.05	31.72	25.36	1.894	1.947	1.504	5.223	1.945

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.138**	**2.450**	**1.622**	**2.030**	**.2512**	**.0012**	**.0240**
Stddev	.000	.008	.018	.008	.0068	.0006	.0015
%RSD	.0178	.3436	1.109	.3918	2.706	48.30	6.342
#1	2.138	2.456	1.634	2.035	.2560	.0008	.0229
#2	2.138	2.444	1.609	2.024	.2464	.0016	.0251

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93727.**	**23115.**	**2810.5**	**6265.5**
Stddev	466.	79.	11.2	33.6
%RSD	.49734	.34287	.39782	.53625
#1	93397.	23059.	2802.6	6241.7
#2	94057.	23171.	2818.4	6289.3

Zoom In Zoom Out

Sample Name: mp87678-s2 Acquired: 7/15/2015 16:43:29 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.080**	**1.905**	**1.883**	**1.894**	**1.975**	**1.912**	**1.941**	**1.909**	**.2277**
Stddev	.004	.006	.007	.002	.007	.005	.001	.002	.0001
%RSD	.1744	.3244	.3488	.1237	.3481	.2442	.0367	.1239	.0539
#1	2.082	1.910	1.879	1.892	1.971	1.915	1.941	1.907	.2278
#2	2.077	1.901	1.888	1.896	1.980	1.909	1.942	1.911	.2276

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.004**	**1.936**	**1.830**	**1.919**	**1.927**	**1.837**	**1.328**	**122.9**	**26.51**
Stddev	.003	.004	.005	.002	.002	.005	.002	.3	.09
%RSD	.1280	.2149	.2752	.0826	.0823	.2769	.1781	.2552	.3548
#1	2.002	1.933	1.826	1.918	1.929	1.833	1.326	123.1	26.58
#2	2.005	1.939	1.833	1.920	1.926	1.840	1.329	122.7	26.44

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**80.99**	**26.45**	**30.20**	**24.08**	**1.817**	**1.873**	**1.436**	**4.445**	**1.878**
Stddev	.33	.04	.05	.04	.008	.003	.001	.003	.006
%RSD	.4083	.1677	.1586	.1851	.4244	.1652	.0418	.0704	.3097
#1	81.22	26.48	30.23	24.12	1.812	1.871	1.435	4.447	1.874
#2	80.76	26.42	30.17	24.05	1.823	1.875	1.436	4.443	1.882

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.031**	**2.323**	**1.507**	**1.930**	**.2537**	**.0025**	**.0225**
Stddev	.003	.001	.001	.003	.0049	.0002	.0007
%RSD	.1399	.0271	.0512	.1292	1.920	8.626	3.066
#1	2.033	2.322	1.507	1.932	.2502	.0027	.0220
#2	2.029	2.323	1.506	1.928	.2571	.0024	.0230

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94417.**	**23074.**	**2827.3**	**6310.9**
Stddev	181.	124.	12.8	17.8
%RSD	.19181	.53703	.45335	.28196
#1	94289.	22986.	2836.4	6323.4
#2	94545.	23161.	2818.3	6298.3

Zoom In Zoom Out

Sample Name: jb98204-2 Acquired: 7/15/2015 16:46:10 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1348**	**.0015**	**.0010**	**.0029**	**.0865**	**.0292**	**.0703**	**.0102**	**.0034**
Stddev	.0002	.0001	.0004	.0000	.0001	.0004	.0008	.0001	.0003
%RSD	.1836	4.185	42.67	1.126	.1064	1.422	1.175	1.100	10.21
#1	.1346	.0016	.0007	.0029	.0864	.0289	.0697	.0103	.0031
#2	.1350	.0015	.0012	.0029	.0866	.0295	.0709	.0102	.0036

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1258**	**.0385**	**.0245**	**.0003**	**.0440**	**.0069**	**.0042**	**48.83**	**3.292**
Stddev	.0019	.0005	.0013	.0007	.0011	.0009	.0013	.04	.003
%RSD	1.491	1.267	5.336	200.8	2.443	13.13	31.06	.0805	.0965
#1	.1245	.0389	.0255	-.0001	.0432	.0063	.0033	48.80	3.295
#2	.1271	.0382	.0236	.0008	.0448	.0076	.0052	48.86	3.290

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**66.36**	**2.213**	**3.974**	**.1381**	**.0202**	**.0051**	**.0002**	**5.871**	**.0226**
Stddev	.05	.004	.013	.0005	.0006	.0003	.0003	.045	.0008
%RSD	.0696	.1703	.3300	.3495	2.861	6.023	150.6	.7692	3.373
#1	66.33	2.215	3.965	.1378	.0206	.0049	.0004	5.903	.0221
#2	66.39	2.210	3.983	.1384	.0198	.0053	-.0000	5.839	.0231

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1071**	**1.145**	**.0095**	**.0780**	**.3054**	**-.0017**	**.0112**
Stddev	.0004	.003	.0005	.0013	.0030	.0006	.0001
%RSD	.3585	.2700	4.930	1.654	.9811	32.00	.8508
#1	.1068	1.143	.0098	.0771	.3075	-.0013	.0113
#2	.1074	1.147	.0092	.0789	.3033	-.0021	.0112

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97092.**	**23242.**	**2900.9**	**6743.2**
Stddev	356.	84.	5.8	17.1
%RSD	.36638	.36084	.20128	.25415
#1	97343.	23183.	2896.7	6731.1
#2	96840.	23301.	2905.0	6755.3

Zoom In Zoom Out

Sample Name: mp87678-sd1 Acquired: 7/15/2015 16:49:06 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1359**	**.0015**	**.0022**	**.0039**	**.0864**	**.0322**	**.0709**	**.0106**	**.0021**
Stddev	.0003	.0001	.0001	.0024	.0038	.0022	.0006	.0047	.0022
%RSD	.2003	6.406	3.151	59.81	4.450	6.739	.7879	44.69	103.2
#1	.1357	.0015	.0022	.0056	.0837	.0306	.0705	.0140	.0037
#2	.1361	.0014	.0023	.0023	.0892	.0337	.0713	.0073	.0006

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1264**	**.0418**	**.0252**	**.0049**	**.0463**	**.0037**	**.0023**	**48.58**	**3.397**
Stddev	.0036	.0008	.0050	.0009	.0053	.0093	.0102	.01	.006
%RSD	2.838	1.849	20.04	19.30	11.55	252.6	450.1	.0113	.1716
#1	.1239	.0423	.0287	.0055	.0501	-.0029	-.0049	48.58	3.393
#2	.1290	.0413	.0216	.0042	.0425	.0103	.0095	48.58	3.401

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**67.45**	**2.253**	**4.183**	**.1332**	**.0257**	**.0034**	**.0013**	**5.879**	**.0256**
Stddev	.12	.004	.023	.0202	.0069	.0009	.0058	.071	.0042
%RSD	.1796	.1949	.5574	15.16	26.81	26.58	437.9	1.206	16.41
#1	67.36	2.257	4.200	.1190	.0208	.0041	.0054	5.929	.0286
#2	67.54	2.250	4.167	.1475	.0305	.0028	-.0028	5.828	.0227

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1068**	**1.155**	**.0101**	**.0791**	**.3225**	**-.0009**	**.0112**
Stddev	.0002	.005	.0066	.0025	.0001	.0027	.0004
%RSD	.1963	.4511	64.93	3.109	.0418	303.1	3.553
#1	.1069	1.151	.0055	.0774	.3226	.0010	.0115
#2	.1066	1.158	.0148	.0809	.3224	-.0028	.0109

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98983.**	**22935.**	**2934.4**	**6983.7**
Stddev	141.	88.	1.7	3.8
%RSD	.14219	.38234	.05816	.05432
#1	99082.	22997.	2935.6	6986.4
#2	98883.	22873.	2933.2	6981.0

Zoom In Zoom Out

Sample Name: jb99094-1 Acquired: 7/15/2015 16:52:02 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4719**	**.0049**	**.0159**	**.0542**	**.9060**	**1.822**	**2.656**	**.1479**	**.0207**
Stddev	.0005	.0001	.0004	.0002	.0055	.002	.013	.0004	.0010
%RSD	.1101	1.765	2.686	.3288	.6043	.1020	.5060	.2383	4.611
#1	.4716	.0050	.0162	.0541	.9099	1.821	2.666	.1482	.0200
#2	.4723	.0049	.0156	.0544	.9022	1.823	2.647	.1477	.0213

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2441**	**1.074**	**.0472**	**.0030**	**.2193**	**-.0050**	**.0011**	**95.73**	**363.4**
Stddev	.0011	.002	.0002	.0027	.0024	.0004	.0006	.08	1.7
%RSD	.4470	.2155	.3292	91.01	1.110	8.538	56.75	.0786	.4805
#1	.2449	1.075	.0473	.0049	.2210	-.0054	.0006	95.68	362.2
#2	.2434	1.072	.0471	.0011	.2176	-.0047	.0015	95.78	364.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**160.8**	**208.4**	**14.42**	**1.223**	**.0678**	**.0092**	**.0054**	**2.567**	**.1743**
Stddev	.1	.1	.02	.009	.0002	.0003	.0021	.047	.0027
%RSD	.0678	.0596	.1214	.7030	.3456	3.046	38.63	1.841	1.572
#1	160.7	208.5	14.40	1.217	.0680	.0094	.0069	2.600	.1763
#2	160.8	208.3	14.43	1.229	.0677	.0090	.0040	2.533	.1724

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.5155**	**2.579**	**.0117**	**.0744**	**2.748**	**.0096**	**.2277**
Stddev	.0007	.001	.0002	.0004	.014	.0014	.0002
%RSD	.1292	.0552	1.328	.5065	.5001	14.46	.0912
#1	.5151	2.578	.0119	.0747	2.758	.0105	.2279
#2	.5160	2.580	.0116	.0741	2.739	.0086	.2276

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90928.**	**23273.**	**2687.4**	**5716.5**
Stddev	29.	32.	3.7	2.0
%RSD	.03190	.13876	.13596	.03420
#1	90907.	23250.	2690.0	5717.9
#2	90948.	23295.	2684.8	5715.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 16:55:00 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.023**	**2.015**	**2.004**	**2.005**	**1.999**	**1.970**	**2.023**	**2.005**	**.2450**
Stddev	.006	.011	.004	.008	.003	.004	.001	.008	.0001
%RSD	.2800	.5350	.2060	.4072	.1441	.2268	.0625	.3895	.0415
#1	2.027	2.023	2.007	2.011	2.001	1.973	2.023	2.010	.2450
#2	2.019	2.007	2.001	1.999	1.997	1.967	2.024	1.999	.2449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.005**	**2.037**	**1.976**	**2.037**	**2.001**	**1.988**	**1.991**	**39.87**	**39.80**
Stddev	.002	.009	.007	.004	.006	.004	.004	.20	.14
%RSD	.1079	.4364	.3461	.2065	.3195	.1958	.1824	.4940	.3574
#1	2.007	2.043	1.981	2.040	2.005	1.991	1.993	40.01	39.90
#2	2.004	2.031	1.971	2.034	1.996	1.985	1.988	39.73	39.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.16**	**39.49**	**39.83**	**40.06**	**2.013**	**2.029**	**1.976**	**4.968**	**2.049**
Stddev	.19	.26	.22	.15	.006	.007	.006	.005	.009
%RSD	.4629	.6704	.5555	.3856	.2915	.3440	.3197	.0952	.4418
#1	40.29	39.67	39.99	40.17	2.017	2.034	1.981	4.971	2.055
#2	40.03	39.30	39.68	39.95	2.009	2.025	1.972	4.965	2.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 16:55:00 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.031**	**2.004**	**2.017**	**1.994**	**1.978**	**2.007**	**1.986**
Stddev	.007	.003	.007	.003	.010	.001	.009
%RSD	.3643	.1243	.3546	.1357	.5093	.0437	.4639
#1	2.036	2.002	2.022	1.996	1.985	2.006	1.992
#2	2.026	2.005	2.012	1.992	1.971	2.007	1.979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92799.**	**22538.**	**2782.7**	**6259.2**
Stddev	130.	93.	.7	1.5
%RSD	.14024	.41477	.02474	.02382
#1	92891.	22472.	2783.2	6260.2
#2	92707.	22604.	2782.2	6258.1

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 16:57:39 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0001**	**.0003**	**.0002**	**.0001**	**.0002**	**.0001**	**-.0001**	**.0001**
Stddev	.0000	.0000	.0001	.0001	.0001	.0001	.0000	.0000	.0007
%RSD	63.98	2.716	36.62	79.33	51.52	48.52	34.28	16.49	673.3
#1	.0000	.0001	.0002	.0002	.0002	.0001	.0001	-.0001	.0006
#2	.0001	.0001	.0004	.0001	.0001	.0003	.0001	-.0001	-.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0006**	**-.0003**	**-.0009**	**.0013**	**.0004**	**.0027**	**.0015**	**-.0028**	**.0059**
Stddev	.0007	.0001	.0002	.0014	.0012	.0003	.0003	.0023	.0009
%RSD	124.4	21.71	26.89	109.3	285.5	12.31	16.75	81.29	15.28
#1	.0001	-.0004	-.0011	.0003	.0013	.0024	.0013	-.0044	.0065
#2	.0011	-.0003	-.0007	.0023	-.0004	.0029	.0017	-.0012	.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0024**	**.0151**	**.0609**	**.0067**	**.0024**	**.0015**	**.0002**	**-.0009**	**.0008**
Stddev	.0002	.0264	.0102	.0003	.0011	.0008	.0008	.0004	.0004
%RSD	7.544	174.8	16.81	5.114	45.16	49.49	339.1	41.17	53.04
#1	.0025	-.0036	.0536	.0070	.0031	.0010	.0008	-.0012	.0011
#2	.0022	.0337	.0681	.0065	.0016	.0021	-.0003	-.0007	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 16:57:39 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0008**	**.0023**	**.0006**	**.0049**	**-.0006**	**.0009**
Stddev	.0000	.0001	.0001	.0001	10.03	.0010	.0007
%RSD	48.33	7.267	6.003	16.14	.0005	185.1	84.33
#1	.0001	.0009	.0024	.0006	.0046	.0002	.0014
#2	.0000	.0008	.0022	.0007	.0053	-.0013	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99222.**	**22931.**	**2950.8**	**7081.9**
Stddev	215.	104.	18.3	7.8
%RSD	.21685	.45504	.62182	.11038
#1	99374.	22857.	2963.7	7087.4
#2	99070.	23004.	2937.8	7076.4

Zoom In Zoom Out

Sample Name: mp87652-sd1 Acquired: 7/15/2015 17:00:39 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 10.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2236**	**.0021**	**.0006**	**.0971**	**.0700**	**.5282**	**1.240**	**.0812**	**.0113**
Stddev	.0001	.0000	.0024	.0014	.0000	.0016	.003	.0000	.0019
%RSD	.0284	1.854	425.1	1.391	.0509	.3033	.2660	.0197	16.94
#1	.2237	.0021	-.0011	.0980	.0700	.5293	1.243	.0812	.0099
#2	.2236	.0021	.0023	.0961	.0700	.5271	1.238	.0812	.0126

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3748**	**1.735**	**.0229**	**.0030**	**.0353**	**-.0222**	**-.0082**	**65.29**	**519.4**
Stddev	.0052	.017	.0139	.0081	.0097	.0251	.0059	.03	.3
%RSD	1.381	.9559	60.50	267.1	27.59	113.0	71.54	.0401	.0636
#1	.3785	1.747	.0328	.0087	.0422	-.0045	-.0123	65.27	519.2
#2	.3711	1.724	.0131	-.0027	.0284	-.0400	-.0040	65.30	519.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**158.1**	**51.58**	**10.51**	**7.196**	**.0893**	**.0008**	**.0094**	**1.631**	**.0158**
Stddev	.0	.36	.14	.045	.0074	.0030	.0135	.007	.0001
%RSD	.0167	.6891	1.321	.6200	8.274	370.4	144.8	.4238	.7546
#1	158.1	51.32	10.41	7.228	.0841	-.0013	.0189	1.627	.0157
#2	158.0	51.83	10.61	7.164	.0946	.0029	-.0002	1.636	.0159

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.646**	**8.342**	**.0498**	**.1412**	**15.82**	**.0178**	**.0886**
Stddev	.006	.007	.0103	.0009	.17	.0116	.0128
%RSD	.2140	.0798	20.71	.6238	1.079	65.40	14.49
#1	2.642	8.346	.0425	.1405	15.94	.0095	.0796
#2	2.650	8.337	.0571	.1418	15.70	.0260	.0977

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96736.**	**22824.**	**2887.5**	**6728.7**
Stddev	255.	79.	8.7	5.4
%RSD	.26315	.34659	.30282	.08097
#1	96556.	22879.	2881.3	6724.9
#2	96916.	22768.	2893.6	6732.6

Zoom In Zoom Out

Sample Name: jb98525-1 Acquired: 7/15/2015 17:03:35 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3044**	**.0020**	**.0036**	**.0408**	**.1329**	**.3321**	**1.248**	**.0597**	**.0070**
Stddev	.0031	.0001	.0005	.0002	.0014	.0021	.001	.0008	.0003
%RSD	1.032	2.818	14.30	.4829	1.023	.6435	.1061	1.313	4.391
#1	.3022	.0020	.0040	.0409	.1338	.3336	1.249	.0592	.0072
#2	.3067	.0019	.0032	.0407	.1319	.3306	1.247	.0603	.0067

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1625**	**.3434**	**.0180**	**.0021**	**.0525**	**.0014**	**.0040**	**69.10**	**571.3**
Stddev	.0002	.0000	.0015	.0044	.0047	.0112	.0014	.35	.4
%RSD	.1398	.0121	8.051	205.4	9.012	798.8	34.12	.5093	.0631
#1	.1623	.3433	.0191	-.0010	.0491	-.0065	.0030	68.85	571.1
#2	.1627	.3434	.0170	.0053	.0558	.0094	.0049	69.35	571.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**87.40**	**29.37**	**5.877**	**4.646**	**.1096**	**.0056**	**.0118**	**1.627**	**.0226**
Stddev	.40	.20	.004	.024	.0034	.0015	.0003	.004	.0019
%RSD	.4566	.6831	.0614	.5129	3.118	27.42	2.476	.2592	8.438
#1	87.12	29.23	5.875	4.629	.1120	.0067	.0116	1.629	.0213
#2	87.68	29.51	5.880	4.663	.1071	.0045	.0120	1.624	.0240

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.602**	**4.012**	**.0154**	**.1160**	**24.55**	**.0194**	**.0709**
Stddev	.015	.008	.0031	.0000	.09	.0033	.0001
%RSD	.5925	.2054	20.05	.0371	.3602	16.84	.1463
#1	2.591	4.017	.0176	.1160	24.61	.0171	.0708
#2	2.613	4.006	.0132	.1159	24.48	.0217	.0710

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92956.**	**23029.**	**2788.3**	**6122.7**
Stddev	43.	38.	5.8	27.2
%RSD	.04660	.16712	.20705	.44347
#1	92986.	23057.	2792.4	6141.9
#2	92925.	23002.	2784.2	6103.5

Zoom In Zoom Out

Sample Name: jb98525-2 Acquired: 7/15/2015 17:06:33 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3781**	**.0025**	**.0025**	**.0595**	**.1470**	**.3620**	**1.731**	**.0642**	**.0080**
Stddev	.0010	.0002	.0008	.0001	.0013	.0050	.007	.0007	.0009
%RSD	.2665	6.331	31.39	.1445	.8920	1.380	.4006	1.037	11.31
#1	.3774	.0026	.0020	.0596	.1461	.3585	1.726	.0646	.0087
#2	.3788	.0024	.0031	.0595	.1479	.3656	1.735	.0637	.0074

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1907**	**.3868**	**.0188**	**-.0011**	**.2432**	**.0025**	**.0031**	**81.04**	**791.8**
Stddev	.0022	.0032	.0024	.0026	.0018	.0004	.0033	.22	7.2
%RSD	1.145	.8311	12.96	242.1	.7557	17.83	108.2	.2776	.9145
#1	.1891	.3890	.0171	.0008	.2419	.0028	.0007	80.88	786.7
#2	.1922	.3845	.0206	-.0029	.2445	.0022	.0054	81.20	796.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**121.9**	**33.22**	**11.63**	**9.385**	**.1488**	**.0074**	**.0175**	**1.571**	**.0246**
Stddev	.4	.04	.06	.005	.0026	.0007	.0006	.010	.0012
%RSD	.3343	.1331	.5400	.0539	1.765	8.934	3.476	.6194	4.821
#1	121.6	33.25	11.68	9.382	.1507	.0078	.0179	1.578	.0255
#2	122.2	33.18	11.59	9.389	.1470	.0069	.0170	1.564	.0238

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**4.305**	**5.093**	**.0772**	**.1449**	**26.24**	**.0302**	**.0941**
Stddev	.008	.037	.0023	.0025	.20	.0055	.0006
%RSD	.1916	.7298	2.968	1.739	.7461	18.17	.5934
#1	4.299	5.066	.0756	.1431	26.38	.0341	.0945
#2	4.311	5.119	.0788	.1467	26.10	.0263	.0937

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93256.**	**22484.**	**2777.0**	**6159.1**
Stddev	618.	106.	.7	8.8
%RSD	.66268	.47276	.02511	.14308
#1	93693.	22559.	2777.5	6152.9
#2	92819.	22409.	2776.5	6165.3

Zoom In Zoom Out

Sample Name: jb98525-3 Acquired: 7/15/2015 17:09:34 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3876**	**.0023**	**.0028**	**.0550**	**.4097**	**.2346**	**2.029**	**.1808**	**.0122**
Stddev	.0008	.0000	.0012	.0002	.0079	.0065	.008	.0025	.0001
%RSD	.1983	1.517	43.27	.3119	1.937	2.789	.3815	1.373	.6264
#1	.3871	.0022	.0020	.0551	.4040	.2300	2.023	.1825	.0121
#2	.3881	.0023	.0037	.0549	.4153	.2392	2.034	.1790	.0123

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1886**	**.5367**	**.0168**	**-.0017**	**.3072**	**.0032**	**.0002**	**72.43**	**949.2**
Stddev	.0043	.0031	.0035	.0091	.0063	.0048	.0045	.19	.5
%RSD	2.267	.5771	20.55	526.2	2.054	150.3	2684.	.2598	.0503
#1	.1856	.5389	.0192	-.0082	.3116	-.0002	-.0030	72.30	949.5
#2	.1916	.5345	.0144	.0047	.3027	.0066	.0034	72.57	948.8

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**108.2**	**39.74**	**5.314**	**6.135**	**.1992**	**.0316**	**.0169**	**1.106**	**.0322**
Stddev	.3	.32	.032	.035	.0022	.0001	.0032	.004	.0010
%RSD	.2891	.8112	.6028	.5647	1.104	.3917	19.08	.3850	2.961
#1	108.0	39.51	5.291	6.111	.2007	.0315	.0192	1.109	.0315
#2	108.4	39.96	5.337	6.160	.1976	.0316	.0146	1.103	.0329

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.845**	**5.339**	**.0567**	**.1508**	**26.76**	**.0391**	**.1030**
Stddev	.014	.012	.0003	.0018	.20	.0015	.0006
%RSD	.3684	.2251	.6159	1.209	.7317	3.742	.5987
#1	3.835	5.330	.0569	.1495	26.90	.0381	.1026
#2	3.855	5.347	.0564	.1521	26.62	.0402	.1035

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**92367.**	**22573.**	**2752.9**	**6103.7**
Stddev	141.	26.	5.1	17.2
%RSD	.15245	.11670	.18651	.28172
#1	92466.	22591.	2749.3	6091.6
#2	92267.	22554.	2756.6	6115.9

Zoom In Zoom Out

Sample Name: jb98525-4 Acquired: 7/15/2015 17:12:34 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2887**	**.0021**	**.0021**	**.0457**	**.1217**	**.4216**	**1.496**	**.0585**	**.0073**
Stddev	.0008	.0000	.0004	.0012	.0029	.0130	.033	.0005	.0015
%RSD	.2626	1.109	18.21	2.592	2.355	3.074	2.180	.8657	21.02
#1	.2893	.0021	.0018	.0466	.1197	.4124	1.473	.0589	.0062
#2	.2882	.0021	.0024	.0449	.1238	.4307	1.519	.0582	.0084

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1258**	**.3688**	**.0128**	**-.0002**	**.3809**	**-.0005**	**-.0008**	**71.05**	**643.7**
Stddev	.0033	.0053	.0040	.0008	.0039	.0020	.0020	.03	1.3
%RSD	2.662	1.441	31.23	468.0	1.028	376.7	247.2	.0471	.2039
#1	.1234	.3726	.0157	-.0007	.3836	.0009	.0006	71.07	642.7
#2	.1282	.3651	.0100	.0004	.3781	-.0019	-.0022	71.02	644.6

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**94.16**	**28.50**	**13.89**	**10.38**	**.1222**	**.0105**	**.0100**	**1.427**	**.0246**
Stddev	.04	.09	.02	.00	.0000	.0016	.0041	.002	.0022
%RSD	.0405	.2984	.1204	.0044	.0167	15.26	41.11	.1534	8.797
#1	94.19	28.44	13.90	10.38	.1222	.0116	.0129	1.428	.0261
#2	94.13	28.56	13.87	10.38	.1222	.0093	.0071	1.425	.0231

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.029**	**3.792**	**.0182**	**.1353**	**19.98**	**.0236**	**.0835**
Stddev	.004	.078	.0041	.0037	.19	.0008	.0007
%RSD	.1139	2.052	22.41	2.721	.9378	3.214	.8726
#1	3.031	3.737	.0153	.1327	20.12	.0241	.0841
#2	3.026	3.847	.0211	.1379	19.85	.0230	.0830

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**90961.**	**22889.**	**2626.5**	**5750.5**
Stddev	1554.	1.	.1	13.6
%RSD	1.7082	.00383	.00537	.23730
#1	92060.	22890.	2626.4	5740.9
#2	89863.	22889.	2626.6	5760.2

Zoom In Zoom Out

Sample Name: jb98525-5 Acquired: 7/15/2015 17:15:32 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5847**	**.0023**	**.0025**	**.0673**	**.1455**	**.9116**	**1.475**	**.0734**	**.0104**
Stddev	.0001	.0001	.0003	.0012	.0008	.0048	.011	.0021	.0010
%RSD	.0181	4.787	10.57	1.851	.5427	.5213	.7253	2.876	9.946
#1	.5848	.0024	.0027	.0682	.1450	.9149	1.467	.0748	.0096
#2	.5847	.0023	.0023	.0664	.1461	.9082	1.483	.0719	.0111

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1555**	**.6238**	**.0164**	**-.0035**	**26.10**	**-.0039**	**.0009**	**85.16**	**756.2**
Stddev	.0006	.0046	.0021	.0001	.14	.0066	.0006	.26	1.8
%RSD	.3837	.7351	13.01	3.479	.5490	170.9	65.02	.3038	.2323
#1	.1551	.6270	.0149	-.0035	26.20	-.0085	.0005	85.34	757.5
#2	.1559	.6205	.0179	-.0034	26.00	.0008	.0013	84.98	755.0

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**77.77**	**32.33**	**11.98**	**6.848**	**.0902**	**.0224**	**.0145**	**1.737**	**.0755**
Stddev	.23	.24	.01	.010	.0002	.0002	.0008	.010	.0002
%RSD	.2926	.7314	.0732	.1471	.2001	.7553	5.489	.5898	.3272
#1	77.93	32.49	11.99	6.855	.0903	.0223	.0140	1.745	.0757
#2	77.61	32.16	11.98	6.840	.0901	.0225	.0151	1.730	.0753

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**5.981**	**3.663**	**.0990**	**.1232**	**9.770**	**.0288**	**.1016**
Stddev	.009	.021	.0020	.0004	.084	.0038	.0006
%RSD	.1557	.5610	2.037	.3282	.8567	13.04	.6154
#1	5.988	3.649	.1004	.1229	9.829	.0314	.1020
#2	5.974	3.678	.0976	.1235	9.710	.0261	.1011

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87418.**	**21498.**	**2610.5**	**5723.9**
Stddev	309.	71.	2.5	13.7
%RSD	.35370	.32856	.09726	.24015
#1	87636.	21448.	2608.7	5714.2
#2	87199.	21548.	2612.3	5733.6

Zoom In Zoom Out

Sample Name: jb98525-6 Acquired: 7/15/2015 17:18:30 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3080**	**.0020**	**.0012**	**.0705**	**.1058**	**.4161**	**1.516**	**.0689**	**.0065**
Stddev	.0004	.0001	.0001	.0015	.0029	.0027	.005	.0001	.0016
%RSD	.1137	3.342	4.132	2.187	2.719	.6484	.3199	.1372	24.53
#1	.3077	.0021	.0012	.0716	.1037	.4142	1.512	.0688	.0076
#2	.3082	.0020	.0013	.0694	.1078	.4181	1.519	.0690	.0054

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2916**	**.2801**	**.0130**	**.0011**	**.0981**	**-.0010**	**-.0037**	**101.4**	**601.0**
Stddev	.0001	.0018	.0016	.0005	.0049	.0013	.0040	.0	1.8
%RSD	.0487	.6269	12.09	45.79	5.010	128.7	105.9	.0275	.2974
#1	.2915	.2813	.0142	.0014	.1015	-.0001	-.0066	101.4	599.7
#2	.2917	.2789	.0119	.0007	.0946	-.0020	-.0009	101.4	602.3

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**112.9**	**32.81**	**13.79**	**15.65**	**.1039**	**.0073**	**.0128**	**1.437**	**.0234**
Stddev	.0	.09	.03	.03	.0034	.0001	.0036	.008	.0023
%RSD	.0063	.2629	.1958	.1607	3.284	1.427	28.45	.5578	9.894
#1	113.0	32.88	13.77	15.63	.1064	.0073	.0102	1.443	.0251
#2	112.9	32.75	13.81	15.67	.1015	.0072	.0154	1.432	.0218

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.746**	**5.740**	**.0631**	**.1261**	**19.20**	**.0240**	**.0859**
Stddev	.004	.025	.0024	.0003	.16	.0008	.0033
%RSD	.1182	.4354	3.751	.2167	.8182	3.236	3.852
#1	3.743	5.723	.0614	.1263	19.31	.0234	.0883
#2	3.749	5.758	.0648	.1259	19.09	.0245	.0836

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88673.**	**21908.**	**2650.6**	**5811.2**
Stddev	439.	21.	5.5	11.8
%RSD	.49563	.09479	.20907	.20302
#1	88983.	21923.	2646.7	5802.9
#2	88362.	21894.	2654.6	5819.5

Zoom In Zoom Out

Sample Name: jb98525-7 Acquired: 7/15/2015 17:21:29 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 3.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3257**	**.0020**	**.0019**	**.0603**	**.2440**	**.2525**	**1.846**	**.1547**	**.0071**
Stddev	.0004	.0000	.0009	.0007	.0031	.0033	.009	.0021	.0017
%RSD	.1249	1.752	47.11	1.210	1.284	1.326	.5022	1.333	23.77
#1	.3260	.0019	.0025	.0597	.2418	.2501	1.840	.1562	.0083
#2	.3254	.0020	.0012	.0608	.2462	.2549	1.853	.1533	.0059

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2146**	**.2647**	**.0165**	**.0033**	**.0885**	**-.0005**	**.0003**	**67.43**	**818.4**
Stddev	.0018	.0039	.0004	.0046	.0053	.0016	.0017	.13	7.4
%RSD	.8333	1.478	2.180	140.0	5.998	330.6	606.3	.1949	.9010
#1	.2134	.2675	.0162	.0000	.0923	.0006	.0015	67.52	823.6
#2	.2159	.2620	.0167	.0065	.0848	-.0016	-.0009	67.34	813.2

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**108.8**	**33.80**	**7.012**	**7.086**	**.1667**	**.0276**	**.0157**	**1.325**	**.0228**
Stddev	.0	.04	.029	.022	.0005	.0011	.0081	.009	.0017
%RSD	.0141	.1311	.4058	.3174	.2932	3.881	51.52	.6958	7.443
#1	108.7	33.76	7.032	7.102	.1664	.0284	.0214	1.331	.0216
#2	108.8	33.83	6.991	7.070	.1671	.0269	.0100	1.318	.0240

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**3.142**	**5.897**	**.0667**	**.1479**	**19.96**	**.0310**	**.0923**
Stddev	.004	.032	.0004	.0025	.09	.0057	.0014
%RSD	.1386	.5498	.5442	1.709	.4733	18.39	1.508
#1	3.145	5.874	.0664	.1462	20.03	.0350	.0933
#2	3.139	5.920	.0669	.1497	19.90	.0269	.0914

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**88693.**	**21542.**	**2637.3**	**5863.9**
Stddev	205.	62.	4.7	.2
%RSD	.23137	.28621	.17830	.00308
#1	88839.	21498.	2634.0	5864.1
#2	88548.	21585.	2640.6	5863.8

Zoom In Zoom Out

Sample Name: jb98525-9 Acquired: 7/15/2015 17:24:30 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 2.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2954**	**.0018**	**.0017**	**.0692**	**.2060**	**.5563**	**2.141**	**.1712**	**.0085**
Stddev	.0002	.0000	.0004	.0013	.0021	.0093	.004	.0009	.0024
%RSD	.0820	1.565	25.56	1.853	1.001	1.666	.2123	.5366	28.06
#1	.2952	.0018	.0014	.0701	.2074	.5628	2.138	.1718	.0102
#2	.2956	.0018	.0020	.0683	.2045	.5497	2.144	.1705	.0068

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3844**	**.3824**	**.0150**	**.0071**	**.7941**	**.0014**	**-.0036**	**80.84**	**686.1**
Stddev	.0059	.0014	.0006	.0007	.0014	.0082	.0026	.25	6.0
%RSD	1.536	.3624	3.890	9.392	.1739	591.4	71.35	.3124	.8709
#1	.3886	.3834	.0154	.0075	.7950	.0072	-.0018	80.66	690.3
#2	.3802	.3814	.0146	.0066	.7931	-.0044	-.0055	81.02	681.9

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**170.3**	**39.88**	**10.69**	**12.12**	**.1806**	**.0545**	**.0128**	**1.455**	**.0315**
Stddev	.4	.11	.03	.02	.0002	.0003	.0007	.017	.0037
%RSD	.2339	.2843	.2627	.2052	.1340	.5205	5.735	1.142	11.72
#1	170.0	39.80	10.71	12.11	.1804	.0547	.0123	1.467	.0289
#2	170.6	39.96	10.67	12.14	.1808	.0543	.0133	1.443	.0341

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.917**	**9.334**	**.0269**	**.1555**	**15.79**	**.0267**	**.0867**
Stddev	.008	.026	.0011	.0017	.13	.0015	.0007
%RSD	.2640	.2762	4.112	1.075	.8118	5.543	.8628
#1	2.911	9.316	.0261	.1566	15.88	.0277	.0873
#2	2.922	9.352	.0277	.1543	15.70	.0256	.0862

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**87295.**	**21381.**	**2603.0**	**5729.5**
Stddev	375.	5.	15.1	22.0
%RSD	.42972	.02269	.58037	.38329
#1	87561.	21378.	2592.3	5713.9
#2	87030.	21384.	2613.6	5745.0

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 17:27:28 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.141**	**2.143**	**2.110**	**2.128**	**2.135**	**2.089**	**2.157**	**2.129**	**.2605**
Stddev	.005	.000	.006	.008	.004	.002	.006	.010	.0025
%RSD	.2296	.0018	.2927	.3835	.2129	.1127	.2699	.4585	.9475
#1	2.138	2.143	2.114	2.134	2.132	2.090	2.162	2.136	.2623
#2	2.145	2.143	2.105	2.123	2.138	2.087	2.153	2.122	.2588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.136**	**2.155**	**2.083**	**2.160**	**2.140**	**2.098**	**2.102**	**42.34**	**42.37**
Stddev	.008	.003	.007	.009	.002	.002	.003	.10	.20
%RSD	.3864	.1428	.3186	.4238	.1112	.0739	.1231	.2323	.4678
#1	2.142	2.158	2.087	2.167	2.142	2.097	2.104	42.28	42.22
#2	2.130	2.153	2.078	2.154	2.139	2.099	2.100	42.41	42.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.49**	**41.96**	**42.50**	**42.46**	**2.124**	**2.135**	**2.099**	**5.236**	**2.161**
Stddev	.05	.08	.11	.06	.007	.010	.000	.018	.004
%RSD	.1069	.1932	.2562	.1510	.3381	.4817	.0103	.3502	.1960
#1	42.46	41.91	42.42	42.41	2.129	2.142	2.099	5.223	2.164
#2	42.52	42.02	42.57	42.50	2.119	2.128	2.099	5.249	2.158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 17:27:28 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.160**	**2.131**	**2.141**	**2.124**	**2.113**	**2.127**	**2.107**
Stddev	.005	.002	.006	.005	.016	.020	.001
%RSD	.2128	.1023	.2727	.2336	.7564	.9371	.0459
#1	2.157	2.132	2.145	2.127	2.124	2.141	2.107
#2	2.164	2.129	2.137	2.120	2.102	2.113	2.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**88659.**	**21337.**	**2683.8**	**5989.5**
Stddev	28.	146.	1.1	13.8
%RSD	.03119	.68436	.04189	.23042
#1	88639.	21441.	2683.0	5979.8
#2	88678.	21234.	2684.6	5999.3

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 17:30:08 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0001**	**-.0002**	**-.0000**	**-.0003**	**.0009**	**.0001**	**.0002**	**-.0001**
Stddev	.0003	.0000	.0000	.0002	.0002	.0001	.0001	.0003	.0008
%RSD	95.95	18.29	7.992	561.2	61.79	15.66	204.0	141.0	599.9
#1	.0001	.0001	-.0002	-.0002	-.0002	.0009	.0001	.0000	-.0007
#2	.0005	.0000	-.0001	.0001	-.0004	.0008	-.0000	.0004	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0002**	**-.0001**	**.0007**	**.0016**	**-.0002**	**.0013**	**-.0002**	**.0027**	**.0075**
Stddev	.0000	.0005	.0005	.0013	.0005	.0009	.0014	.0046	.0001
%RSD	4.917	400.8	62.16	84.26	278.9	73.07	649.6	168.0	1.967
#1	-.0002	.0002	.0004	.0006	.0002	.0006	-.0012	-.0005	.0076
#2	-.0002	-.0005	.0011	.0025	-.0005	.0019	.0008	.0059	.0074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0015**	**.0028**	**.0831**	**-.0010**	**.0016**	**.0014**	**-.0004**	**-.0010**	**.0010**
Stddev	.0002	.0079	.0170	.0044	.0003	.0002	.0009	.0002	.0015
%RSD	9.966	277.1	20.46	457.9	20.87	13.27	238.6	15.00	149.8
#1	.0016	-.0027	.0710	.0022	.0013	.0013	.0003	-.0009	-.0001
#2	.0014	.0084	.0951	-.0041	.0018	.0015	-.0010	-.0011	.0021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 17:30:08 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0010**	**.0011**	**.0005**	**.0069**	**-.0009**	**.0009**
Stddev	.0000	.0002	.0000	.0002	.0044	.0000	.0010
%RSD	36.68	15.30	1.507	32.11	64.03	.7258	104.6
#1	.0001	.0009	.0011	.0006	.0101	-.0009	.0002
#2	.0001	.0011	.0011	.0004	.0038	-.0009	.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**94146.**	**21517.**	**2836.5**	**6778.1**
Stddev	116.	174.	16.0	2.3
%RSD	.12333	.80760	.56482	.03324
#1	94064.	21639.	2825.1	6776.5
#2	94228.	21394.	2847.8	6779.7

Zoom In Zoom Out

Sample Name: mp87667-mb1 2 Acquired: 7/15/2015 17:33:08 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: mp87667

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0011**	**.0000**	**.0001**	**.0003**	**.0000**	**.0007**	**.0007**	**.0008**	**.0000**
Stddev	.0000	.0000	.0001	.0004	.0003	.0002	.0001	.0001	.0004
%RSD	.6891	32.46	144.8	111.4	1063.	37.14	14.53	7.310	3184.
#1	.0011	.0000	.0002	.0006	-.0002	.0005	.0008	.0008	-.0003
#2	.0011	.0000	-.0000	.0001	.0002	.0008	.0006	.0007	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**-.0000**	**.0074**	**.0007**	**-.0011**	**.0002**	**.0027**	**.0009**	**.0243**	**.1807**
Stddev	.0003	.0001	.0004	.0009	.0002	.0025	.0008	.0117	.0002
%RSD	573.3	.8341	54.26	82.57	140.6	90.37	83.06	47.96	.1265
#1	-.0002	.0073	.0010	-.0005	.0000	.0045	.0015	.0325	.1808
#2	.0001	.0074	.0005	-.0017	.0003	.0010	.0004	.0161	.1805

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0225**	**.0583**	**.0757**	**.0540**	**.0015**	**.0001**	**.0001**	**.0266**	**.0239**
Stddev	.0017	.0017	.0001	.0044	.0003	.0000	.0006	.0005	.0013
%RSD	7.684	2.995	.0772	8.082	19.83	26.16	500.4	1.706	5.444
#1	.0237	.0595	.0758	.0509	.0013	.0001	.0005	.0269	.0248
#2	.0212	.0570	.0757	.0571	.0018	.0001	-.0003	.0263	.0230

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0007**	**.0013**	**-.0000**	**.0016**	**.0110**	**-.0013**	**.0005**
Stddev	.0001	.0006	.0000	.0001	.0026	.0006	.0004
%RSD	8.244	47.79	24.56	6.511	23.35	44.14	93.00
#1	.0007	.0009	-.0000	.0015	.0092	-.0018	.0008
#2	.0008	.0018	-.0001	.0016	.0128	-.0009	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94337.**	**21950.**	**2798.7**	**6760.5**
Stddev	453.	31.	14.2	8.1
%RSD	.48026	.14118	.50584	.11949
#1	94658.	21928.	2788.7	6754.8
#2	94017.	21972.	2808.7	6766.3

Zoom In Zoom Out

Sample Name: mp87667-b1 Acquired: 7/15/2015 17:36:07 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.065**	**2.077**	**2.026**	**2.045**	**2.080**	**2.024**	**2.106**	**2.046**	**.2443**
Stddev	.010	.005	.002	.018	.008	.002	.006	.014	.0001
%RSD	.4799	.2374	.1052	.8904	.3715	.1132	.3104	.6786	.0314
#1	2.058	2.074	2.024	2.058	2.074	2.023	2.101	2.055	.2444
#2	2.072	2.080	2.027	2.033	2.085	2.026	2.111	2.036	.2442

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.073**	**2.074**	**1.958**	**2.088**	**2.051**	**2.004**	**1.974**	**25.60**	**25.92**
Stddev	.002	.001	.001	.019	.022	.006	.001	.09	.02
%RSD	.1132	.0580	.0469	.8887	1.084	.3143	.0449	.3601	.0759
#1	2.075	2.074	1.959	2.101	2.067	2.008	1.975	25.54	25.91
#2	2.072	2.073	1.957	2.075	2.036	2.000	1.974	25.67	25.94

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**24.62**	**25.49**	**25.72**	**25.92**	**2.012**	**2.044**	**1.336**	**.3163**	**2.097**
Stddev	.01	.07	.08	.11	.005	.005	.006	.0010	.020
%RSD	.0550	.2579	.3066	.4127	.2436	.2335	.4622	.3300	.9729
#1	24.61	25.53	25.66	25.84	2.015	2.041	1.340	.3156	2.111
#2	24.63	25.44	25.77	25.99	2.008	2.047	1.332	.3170	2.082

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.078**	**2.038**	**1.911**	**2.010**	**.0274**	**.0044**	**.0029**
Stddev	.008	.006	.012	.002	.0014	.0008	.0003
%RSD	.3874	.3050	.6248	.0836	5.288	18.52	11.98
#1	2.072	2.033	1.920	2.009	.0264	.0038	.0027
#2	2.084	2.042	1.903	2.011	.0284	.0049	.0031

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**89496.**	**21462.**	**2693.5**	**6132.2**
Stddev	17.	139.	20.1	14.7
%RSD	.01866	.64962	.74686	.23947
#1	89508.	21363.	2707.7	6121.9
#2	89484.	21560.	2679.3	6142.6

Zoom In Zoom Out

Sample Name: mp87667-s1 Acquired: 7/15/2015 17:38:49 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.116**	**1.414**	**1.394**	**2.076**	**1.427**	**1.428**	**4.237**	**1.715**	**.1701**
Stddev	.004	.002	.002	.003	.006	.003	.001	.002	.0011
%RSD	.1279	.1226	.1208	.1212	.3937	.2059	.0239	.1393	.6573
#1	3.114	1.413	1.393	2.078	1.423	1.426	4.238	1.717	.1693
#2	3.119	1.416	1.395	2.075	1.431	1.430	4.236	1.713	.1708

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.458**	**1.906**	**1.385**	**1.612**	**1.866**	**1.391**	**1.192**	**68.91**	**34.89**
Stddev	.000	.003	.005	.003	.007	.004	.004	.09	.17
%RSD	.0193	.1430	.3818	.1965	.3811	.2803	.3075	.1362	.5007
#1	1.457	1.908	1.389	1.609	1.871	1.394	1.195	68.84	34.77
#2	1.458	1.904	1.381	1.614	1.861	1.388	1.189	68.97	35.01

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**55.54**	**21.17**	**19.75**	**18.00**	**1.410**	**1.394**	**.4837**	**8.026**	**1.442**
Stddev	.17	.09	.01	.01	.007	.002	.0019	.009	.005
%RSD	.3054	.4029	.0547	.0775	.4692	.1211	.4012	.1068	.3753
#1	55.42	21.11	19.76	17.99	1.415	1.395	.4851	8.032	1.445
#2	55.66	21.23	19.74	18.01	1.406	1.393	.4824	8.020	1.438

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.511**	**1.888**	**1.305**	**1.099**	**12.48**	**.0018**	**.0204**
Stddev	.002	.002	.009	.002	.06	.0007	.0001
%RSD	.1029	.1078	.6939	.1612	.4708	36.27	.5195
#1	1.510	1.890	1.312	1.098	12.52	.0023	.0205
#2	1.512	1.887	1.299	1.100	12.44	.0013	.0203

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**103180.**	**24947.**	**3074.2**	**6061.1**
Stddev	51.	121.	3.2	4.2
%RSD	.04964	.48423	.10315	.06981
#1	103220.	25033.	3072.0	6058.1
#2	103150.	24862.	3076.5	6064.1

Zoom In Zoom Out

Sample Name: mp87667-s2 Acquired: 7/15/2015 17:41:29 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**3.268**	**1.591**	**1.496**	**2.149**	**1.560**	**1.558**	**4.264**	**1.834**	**.1874**
Stddev	.095	.045	.012	.015	.018	.017	.047	.013	.0023
%RSD	2.913	2.809	.8125	.6994	1.144	1.058	1.109	.7319	1.237
#1	3.335	1.622	1.504	2.159	1.572	1.570	4.298	1.843	.1890
#2	3.200	1.559	1.487	2.138	1.547	1.547	4.231	1.824	.1858

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.601**	**1.953**	**1.473**	**1.730**	**1.976**	**1.488**	**1.255**	**77.95**	**36.67**
Stddev	.017	.016	.010	.011	.013	.012	.011	2.31	1.01
%RSD	1.058	.8023	.6573	.6096	.6710	.8331	.8824	2.963	2.748
#1	1.613	1.964	1.479	1.738	1.986	1.496	1.263	79.58	37.38
#2	1.589	1.942	1.466	1.723	1.967	1.479	1.247	76.32	35.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**59.59**	**23.70**	**22.30**	**20.40**	**1.508**	**1.490**	**.4483**	**7.723**	**1.503**
Stddev	1.70	.62	.60	.56	.010	.012	.0045	.044	.010
%RSD	2.847	2.612	2.680	2.738	.6870	.7978	.9965	.5651	.6450
#1	60.79	24.14	22.72	20.79	1.515	1.499	.4515	7.754	1.510
#2	58.39	23.27	21.87	20.00	1.501	1.482	.4452	7.692	1.496

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.697**	**2.032**	**1.384**	**1.193**	**11.73**	**.0011**	**.0236**
Stddev	.051	.023	.011	.014	.10	.0015	.0004
%RSD	2.982	1.131	.8030	1.194	.8134	133.5	1.618
#1	1.733	2.048	1.392	1.203	11.79	.0021	.0239
#2	1.662	2.016	1.376	1.183	11.66	.0001	.0233

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**105650.**	**24951.**	**3190.6**	**6272.1**
Stddev	907.	525.	16.8	28.9
%RSD	.85892	2.1040	.52762	.46103
#1	105010.	24580.	3178.7	6251.7
#2	106290.	25322.	3202.6	6292.6

Zoom In Zoom Out

Sample Name: jb98699-2a Acquired: 7/15/2015 17:44:09 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**1.590**	**.0139**	**.0085**	**.4174**	**.0466**	**.0567**	**2.670**	**.1166**
Stddev	.004	.0000	.0000	.0015	.0002	.0003	.008	.0002
%RSD	.2777	.2358	.1653	.3488	.4054	.4634	.2847	.1659
#1	1.587	.0139	.0085	.4184	.0464	.0565	2.665	.1167
#2	1.593	.0139	.0085	.4164	.0467	.0569	2.676	.1164

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0026**	**.0772**	**.4393**	**.0285**	**-.0012**	**.2767**	**.0063**	**.0007**
Stddev	.0001	.0004	.0004	.0002	.0005	.0023	.0002	.0020
%RSD	3.968	.5142	.0965	.7486	43.78	.8447	3.245	302.8
#1	.0026	.0775	.4390	.0286	-.0016	.2783	.0064	.0021
#2	.0025	.0770	.4396	.0283	-.0008	.2750	.0061	-.0008

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**38.69**	**16.18**	**36.82**	**3.697**	**1.484**	**.3694**	**.0154**	**.0029**
Stddev	.13	.07	.10	.000	.002	.0015	.0003	.0003
%RSD	.3381	.4033	.2762	.0120	.1159	.4097	1.648	9.221
#1	38.60	16.13	36.74	3.697	1.483	.3683	.0156	.0031
#2	38.79	16.22	36.89	3.697	1.486	.3704	.0152	.0027

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	W **-.0079**	**6.872**	**.0242**	**.0959**	**.7075**	**.0089**	**.0162**	**10.97**
Stddev	.0009	.022	.0008	.0003	.0024	.0001	.0001	.00
%RSD	11.88	.3276	3.375	.3279	.3345	1.522	.7736	.0183
#1	-.0073	6.888	.0247	.0956	.7092	.0088	.0163	10.97
#2	-.0086	6.856	.0236	.0961	.7059	.0090	.0161	10.97

Elem	Bi2230	Li6707
Avg	**-.0021**	**.0168**
Stddev	.0000	.0003
%RSD	2.225	1.874
#1	-.0021	.0165
#2	-.0022	.0170

Zoom In Zoom Out

Sample Name: jb98699-2a Acquired: 7/15/2015 17:44:09 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**113020.**	**26356.**	**3361.2**	**6750.8**
Stddev	420.	81.	1.2	4.6
%RSD	.37168	.30677	.03480	.06873
#1	113320.	26413.	3362.0	6747.5
#2	112720.	26299.	3360.4	6754.1

Zoom In Zoom Out

Sample Name: mp87667-sd1 Acquired: 7/15/2015 17:47:02 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.776**	**.0150**	**.0096**	**.4180**	**.0499**	**.0677**	**3.069**	**.1179**	**.0043**
Stddev	.001	.0001	.0009	.0018	.0000	.0018	.009	.0014	.0015
%RSD	.0399	.6659	9.440	.4228	.0166	2.710	.3098	1.222	35.57
#1	1.776	.0151	.0102	.4193	.0499	.0690	3.075	.1169	.0054
#2	1.775	.0150	.0089	.4168	.0499	.0664	3.062	.1189	.0032

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0876**	**.5032**	**.0354**	**-.0009**	**.2811**	**.0045**	**.0108**	**43.16**	**18.31**
Stddev	.0005	.0040	.0007	.0002	.0017	.0001	.0063	.12	.05
%RSD	.6118	.7872	2.058	21.16	.6017	2.948	58.36	.2838	.2828
#1	.0880	.5004	.0359	-.0008	.2799	.0046	.0152	43.24	18.35
#2	.0872	.5060	.0349	-.0011	.2823	.0044	.0063	43.07	18.27

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**41.88**	**4.113**	**1.854**	**.4010**	**.0213**	**.0036**	**-.0055**	**7.897**	**.0285**
Stddev	.18	.042	.010	.0178	.0094	.0000	.0002	.116	.0016
%RSD	.4238	1.031	.5233	4.442	44.37	.0675	3.325	1.468	5.634
#1	42.01	4.083	1.861	.3884	.0279	.0036	-.0054	7.815	.0296
#2	41.76	4.143	1.847	.4136	.0146	.0036	-.0057	7.979	.0273

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1080**	**.8038**	**.0159**	**.0207**	**12.37**	**-.0018**	**.0192**
Stddev	.0011	.0061	.0007	.0008	.11	.0049	.0022
%RSD	1.042	.7529	4.335	3.741	.8766	267.0	11.26
#1	.1072	.7995	.0154	.0202	12.29	.0016	.0176
#2	.1088	.8080	.0163	.0213	12.45	-.0053	.0207

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	103230.	23647.	3072.3	7063.0
Stddev	113.	137.	30.0	27.9
%RSD	.10973	.58013	.97688	.39432
#1	103310.	23550.	3093.5	7082.7
#2	103150.	23744.	3051.0	7043.3

Zoom In Zoom Out

Sample Name: jb99010-1 Acquired: 7/15/2015 17:49:57 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4149**	**.0041**	**.0020**	**.0620**	**.1376**	**.1858**	**2.882**	**.1198**	**.0050**
Stddev	.0008	.0000	.0001	.0004	.0011	.0001	.004	.0012	.0003
%RSD	.1938	.4172	2.850	.6646	.8215	.0575	.1237	1.001	6.844
#1	.4155	.0041	.0020	.0623	.1368	.1859	2.879	.1207	.0053
#2	.4144	.0041	.0019	.0618	.1384	.1857	2.884	.1190	.0048

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2022**	**.6165**	**.0239**	**-.0017**	**.4441**	**-.0012**	**-.0009**	**86.56**	**24.86**
Stddev	.0004	.0040	.0012	.0010	.0014	.0053	.0021	.02	.01
%RSD	.1821	.6519	4.828	61.39	.3249	425.1	226.5	.0255	.0426
#1	.2019	.6193	.0247	-.0024	.4430	.0025	-.0024	86.54	24.87
#2	.2024	.6137	.0231	-.0009	.4451	-.0050	.0006	86.57	24.86

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**135.1**	**25.24**	**10.77**	**5.961**	**.0653**	**.0030**	**.0018**	**2.005**	**.0308**
Stddev	.1	.12	.01	.012	.0003	.0003	.0013	.006	.0002
%RSD	.0503	.4767	.0958	.1990	.5153	9.826	71.00	.2861	.7981
#1	135.1	25.15	10.78	5.969	.0651	.0032	.0009	2.009	.0306
#2	135.2	25.32	10.77	5.952	.0656	.0028	.0027	2.001	.0310

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1406**	**2.591**	**.0049**	**.0474**	**1.559**	**-.0035**	**.0942**
Stddev	.0002	.001	.0000	.0002	.007	.0005	.0001
%RSD	.1393	.0234	.8800	.4030	.4612	15.03	.1528
#1	.1407	2.591	.0050	.0476	1.564	-.0039	.0943
#2	.1405	2.591	.0049	.0473	1.554	-.0031	.0941

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	98518.	23387.	2939.9	6556.1
Stddev	46.	7.	9.3	4.3
%RSD	.04711	.03199	.31594	.06572
#1	98551.	23392.	2946.4	6559.1
#2	98485.	23382.	2933.3	6553.0

Zoom In Zoom Out

Sample Name: jb99011-1 Acquired: 7/15/2015 17:52:52 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5329**	**.0040**	**.0056**	**.0588**	**.4279**	**.3195**	**2.131**	**.1796**	**.0047**
Stddev	.0006	.0000	.0001	.0003	.0057	.0013	.010	.0013	.0006
%RSD	.1119	.2706	2.604	.5298	1.325	.3933	.4619	.7079	12.14
#1	.5333	.0040	.0055	.0586	.4319	.3204	2.138	.1787	.0051
#2	.5325	.0040	.0057	.0590	.4239	.3186	2.124	.1805	.0043

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2389**	**1.250**	**.1280**	**.0002**	**.9515**	**.0018**	**-.0015**	**60.36**	**47.22**
Stddev	.0037	.019	.0040	.0024	.0094	.0011	.0009	.09	.03
%RSD	1.536	1.526	3.109	1115.	.9841	62.57	60.63	.1500	.0548
#1	.2415	1.264	.1308	-.0015	.9449	.0010	-.0021	60.30	47.20
#2	.2364	1.237	.1252	.0019	.9581	.0026	-.0008	60.43	47.24

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**158.0**	**20.40**	**7.370**	**5.745**	**.0524**	**.0136**	**-.0011**	**1.959**	**.0667**
Stddev	.1	.08	.020	.011	.0011	.0003	.0022	.003	.0012
%RSD	.0854	.3741	.2740	.1984	2.079	2.071	194.1	.1709	1.796
#1	157.9	20.35	7.385	5.753	.0516	.0138	-.0027	1.961	.0675
#2	158.1	20.46	7.356	5.737	.0531	.0134	.0004	1.957	.0659

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3313**	**1.816**	**.0105**	**.0501**	**8.124**	**.0007**	**.1076**
Stddev	.0004	.012	.0006	.0007	.012	.0008	.0008
%RSD	.1304	.6845	5.913	1.445	.1529	116.8	.7438
#1	.3316	1.825	.0100	.0506	8.133	.0001	.1082
#2	.3310	1.807	.0109	.0496	8.115	.0013	.1070

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	96538.	23561.	2899.6	6529.8
Stddev	389.	22.	25.1	6.0
%RSD	.40255	.09450	.86480	.09235
#1	96263.	23577.	2881.9	6534.0
#2	96813.	23546.	2917.4	6525.5

Zoom In Zoom Out

Sample Name: jb99011-3 Acquired: 7/15/2015 17:55:43 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.241**	**.0072**	**.0033**	**.1015**	**2.263**	**.4844**	**6.004**	**.3373**	**.0088**
Stddev	.001	.0000	.0001	.0000	.012	.0019	.016	.0006	.0008
%RSD	.1084	.2625	2.575	.0344	.5379	.3853	.2594	.1672	8.733
#1	1.242	.0072	.0033	.1014	2.272	.4857	6.015	.3369	.0094
#2	1.240	.0072	.0034	.1015	2.254	.4831	5.993	.3377	.0083

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.417**	**1.037**	**.2582**	**.0010**	**.5774**	**.0181**	**-.0001**	**68.18**	**79.47**
Stddev	.005	.004	.0017	.0010	.0024	.0032	.0021	.14	.55
%RSD	.3294	.3616	.6633	97.81	.4121	17.79	1514.	.2098	.6895
#1	1.421	1.039	.2594	.0018	.5791	.0204	-.0016	68.28	79.86
#2	1.414	1.034	.2570	.0003	.5757	.0158	.0013	68.08	79.08

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**201.9**	**29.47**	**6.984**	**12.62**	**.1452**	**.0260**	**.0021**	**5.387**	**.1002**
Stddev	.8	.05	.016	.02	.0004	.0005	.0020	.043	.0003
%RSD	.3956	.1735	.2213	.1848	.2518	1.769	94.89	.8033	.3354
#1	202.4	29.50	6.995	12.64	.1454	.0263	.0035	5.417	.1004
#2	201.3	29.43	6.974	12.60	.1449	.0257	.0007	5.356	.0999

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.6197**	**4.579**	**.0293**	**.0700**	**13.51**	**.0037**	**.0804**
Stddev	.0003	.019	.0005	.0005	.03	.0003	.0001
%RSD	.0556	.4142	1.588	.6454	.1977	6.927	.0916
#1	.6199	4.593	.0289	.0703	13.53	.0035	.0804
#2	.6194	4.566	.0296	.0696	13.49	.0039	.0803

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	94510.	23140.	2810.1	6271.7
Stddev	424.	186.	13.5	2.7
%RSD	.44836	.80272	.48183	.04377
#1	94210.	23009.	2800.5	6269.7
#2	94809.	23271.	2819.7	6273.6

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 17:58:33 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.032**	**2.016**	**2.006**	**2.020**	**2.023**	**1.959**	**2.040**	**2.024**	**.2448**
Stddev	.003	.000	.011	.003	.004	.006	.006	.005	.0001
%RSD	.1479	.0109	.5530	.1603	.1834	.3124	.3188	.2455	.0609
#1	2.034	2.016	2.014	2.022	2.020	1.963	2.044	2.027	.2449
#2	2.030	2.015	1.998	2.018	2.025	1.954	2.035	2.020	.2447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.011**	**2.056**	**1.993**	**2.057**	**2.030**	**1.991**	**1.995**	**40.11**	**40.02**
Stddev	.006	.004	.013	.003	.007	.007	.011	.03	.06
%RSD	.2990	.2211	.6635	.1340	.3375	.3475	.5649	.0739	.1615
#1	2.016	2.059	2.002	2.059	2.035	1.996	2.003	40.13	39.97
#2	2.007	2.053	1.984	2.055	2.026	1.986	1.987	40.09	40.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.32**	**39.89**	**40.15**	**40.42**	**2.011**	**2.033**	**1.972**	**4.978**	**2.059**
Stddev	.02	.10	.00	.01	.010	.010	.005	.021	.012
%RSD	.0399	.2583	.0055	.0271	.5096	.5132	.2733	.4268	.5573
#1	40.31	39.82	40.15	40.43	2.019	2.040	1.968	4.993	2.067
#2	40.34	39.97	40.15	40.41	2.004	2.025	1.975	4.963	2.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 17:58:33 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.041**	**2.010**	**2.030**	**1.992**	**1.997**	**2.005**	**1.992**
Stddev	.000	.003	.004	.001	.010	.013	.001
%RSD	.0169	.1329	.1812	.0315	.5171	.6549	.0557
#1	2.041	2.012	2.033	1.992	2.004	2.014	1.993
#2	2.041	2.008	2.027	1.991	1.990	1.995	1.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93284.**	**22301.**	**2809.4**	**6283.1**
Stddev	64.	82.	9.8	8.7
%RSD	.06818	.36858	.34987	.13804
#1	93239.	22359.	2802.5	6277.0
#2	93329.	22242.	2816.4	6289.2

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 18:01:13 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0000**	**.0002**	**-.0003**	**-.0001**	**.0009**	**.0000**	**.0001**	**.0012**
Stddev	.0001	.0000	.0003	.0005	.0003	.0001	.0001	.0004	.0004
%RSD	46.78	32.93	173.1	153.5	517.0	13.12	416.3	317.8	32.45
#1	.0001	.0000	.0004	-.0006	.0002	.0009	.0001	.0005	.0015
#2	.0002	.0000	-.0000	.0000	-.0003	.0008	-.0001	-.0002	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**-.0003**	**.0012**	**.0004**	**-.0003**	**.0012**	**.0011**	**-.0001**	**.0009**
Stddev	.0008	.0002	.0004	.0005	.0010	.0011	.0006	.0009	.0037
%RSD	5268.	65.15	33.98	130.8	326.3	97.25	54.25	753.8	435.7
#1	.0006	-.0005	.0015	.0000	-.0010	.0019	.0016	-.0008	.0035
#2	-.0005	-.0002	.0009	.0008	.0004	.0004	.0007	.0005	-.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0026**	**.0054**	**.0394**	**.0036**	**.0018**	**.0012**	**.0002**	**-.0003**	**.0009**
Stddev	.0004	.0118	.0010	.0099	.0005	.0002	.0009	.0011	.0000
%RSD	14.09	219.4	2.658	278.1	29.65	13.03	465.6	433.9	3.791
#1	.0024	-.0030	.0386	-.0035	.0022	.0013	.0008	-.0010	.0009
#2	.0029	.0137	.0401	.0106	.0015	.0011	-.0004	.0005	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 18:01:13 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**F .0011**	**.0016**	**.0006**	**.0057**	**.0013**	**.0009**
Stddev	.0000	.0003	.0002	.0001	.0003	.0002	.0003
%RSD	40.54	30.71	10.24	11.29	6.049	18.36	37.07
#1	.0000	.0013	.0017	.0006	.0060	.0015	.0007
#2	.0001	.0008	.0015	.0005	.0055	.0012	.0011
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010					
Low Limit		-.0010					

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98671.**	**22499.**	**2946.1**	**7089.6**
Stddev	.	79.	7.4	10.5
%RSD	.00037	.35019	.25251	.14853
#1	98671.	22444.	2951.3	7097.1
#2	98670.	22555.	2940.8	7082.2

Zoom In Zoom Out

Sample Name: mp87656-b1 2 Acquired: 7/15/2015 18:04:12 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.001**	**1.999**	**1.966**	**1.975**	**1.992**	**1.945**	**2.016**	**1.978**	**.2339**
Stddev	.003	.004	.001	.000	.001	.003	.001	.000	.0000
%RSD	.1317	.2091	.0362	.0043	.0534	.1655	.0447	.0196	.0093
#1	1.999	1.996	1.965	1.975	1.991	1.943	2.017	1.977	.2339
#2	2.003	2.002	1.966	1.975	1.992	1.947	2.016	1.978	.2339

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.990**	**2.012**	**1.878**	**2.029**	**1.988**	**1.942**	**1.901**	**24.85**	**25.03**
Stddev	.001	.001	.002	.003	.001	.002	.006	.06	.05
%RSD	.0588	.0244	.1231	.1667	.0350	.0752	.2980	.2499	.2046
#1	1.991	2.012	1.880	2.032	1.988	1.943	1.905	24.80	25.00
#2	1.989	2.011	1.876	2.027	1.987	1.941	1.897	24.89	25.07

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**23.86**	**24.67**	**24.90**	**25.17**	**1.942**	**1.965**	**1.315**	**.2885**	**2.003**
Stddev	.10	.12	.04	.00	.001	.004	.002	.0045	.002
%RSD	.4089	.4939	.1692	.0014	.0697	.2269	.1732	1.546	.0968
#1	23.79	24.58	24.87	25.17	1.943	1.968	1.317	.2854	2.002
#2	23.92	24.76	24.93	25.17	1.941	1.962	1.313	.2917	2.005

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**2.012**	**1.933**	**1.821**	**1.901**	**.0294**	**.0061**	**.0022**
Stddev	.001	.006	.003	.002	.0008	.0002	.0002
%RSD	.0616	.3216	.1792	.1272	2.564	3.262	10.10
#1	2.011	1.937	1.819	1.903	.0299	.0059	.0020
#2	2.013	1.929	1.824	1.900	.0289	.0062	.0023

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93896.**	**22285.**	**2799.3**	**6392.4**
Stddev	251.	39.	2.6	18.3
%RSD	.26711	.17546	.09416	.28702
#1	93719.	22313.	2801.2	6405.4
#2	94073.	22258.	2797.5	6379.5

Zoom In Zoom Out

Sample Name: mp87656-mb1 2 Acquired: 7/15/2015 18:06:55 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: mp87656

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0013**	**.0001**	**.0003**	**.0000**	**.0008**	**.0015**	**.0010**	**.0008**	**.0005**
Stddev	.0003	.0000	.0001	.0000	.0001	.0001	.0001	.0004	.0011
%RSD	20.31	27.38	33.85	170.5	11.34	4.390	6.094	53.96	233.2
#1	.0014	.0002	.0004	.0001	.0009	.0014	.0010	.0005	.0012
#2	.0011	.0001	.0002	-.0000	.0008	.0015	.0010	.0011	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0003**	**.0044**	**.0008**	**-.0015**	**-.0015**	**.0007**	**.0026**	**.0575**	**.2674**
Stddev	.0000	.0000	.0008	.0001	.0002	.0014	.0014	.0020	.0055
%RSD	15.29	1.071	94.95	9.840	15.98	185.5	54.85	3.493	2.064
#1	.0003	.0044	.0003	-.0016	-.0014	.0017	.0016	.0590	.2635
#2	.0002	.0045	.0013	-.0014	-.0017	-.0002	.0037	.0561	.2713

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**.0475**	**.0714**	**.0487**	**.0737**	**.0060**	**.0016**	**.0011**	**.0415**	**.0203**
Stddev	.0038	.0034	.0064	.0052	.0001	.0000	.0011	.0007	.0003
%RSD	8.009	4.720	13.17	7.109	1.683	1.918	103.2	1.635	1.304
#1	.0448	.0738	.0442	.0774	.0060	.0015	.0018	.0420	.0205
#2	.0502	.0690	.0532	.0700	.0061	.0016	.0003	.0410	.0201

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0011**	**.0026**	**.0079**	**.0039**	**.0093**	**-.0003**	**-.0003**
Stddev	.0000	.0004	.0012	.0000	.0046	.0001	.0006
%RSD	.4584	15.79	15.72	1.132	48.78	21.03	225.2
#1	.0011	.0023	.0070	.0039	.0125	-.0004	-.0007
#2	.0011	.0029	.0087	.0038	.0061	-.0003	.0002

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98141.**	**22537.**	**2900.9**	**7012.1**
Stddev	167.	72.	10.4	10.0
%RSD	.16985	.31938	.35693	.14206
#1	98259.	22587.	2893.6	7005.0
#2	98023.	22486.	2908.3	7019.1

Zoom In Zoom Out

Sample Name: jb98986-1 Acquired: 7/15/2015 18:09:54 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.6707**	**.0038**	**.0040**	**.0603**	**.1517**	**.4732**	**2.642**	**.1337**	**.0040**
Stddev	.0015	.0001	.0003	.0001	.0015	.0049	.006	.0003	.0002
%RSD	.2261	1.634	6.976	.1082	.9608	1.035	.2188	.2594	4.013
#1	.6696	.0038	.0038	.0602	.1528	.4767	2.646	.1339	.0039
#2	.6717	.0039	.0042	.0603	.1507	.4697	2.637	.1334	.0041

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2848**	**1.368**	**.1312**	**.0014**	**2.048**	**.0003**	**.0003**	**90.59**	**28.60**
Stddev	.0023	.001	.0014	.0011	.001	.0000	.0014	.22	.08
%RSD	.7900	.0509	1.065	78.31	.0342	2.559	488.8	.2425	.2955
#1	.2864	1.369	.1322	.0022	2.049	.0003	.0013	90.44	28.54
#2	.2832	1.368	.1303	.0006	2.048	.0003	-.0007	90.75	28.66

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**126.0**	**22.06**	**5.432**	**4.143**	**.0464**	**.0054**	**.0013**	**2.226**	**.0507**
Stddev	.2	.12	.011	.010	.0014	.0003	.0020	.011	.0006
%RSD	.1759	.5407	.2053	.2329	3.063	4.963	153.9	.4814	1.258
#1	125.8	21.97	5.440	4.137	.0454	.0056	-.0001	2.233	.0512
#2	126.1	22.14	5.424	4.150	.0474	.0052	.0027	2.218	.0503

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1870**	**3.825**	**.0072**	**.0242**	**1.400**	**-.0013**	**.0903**
Stddev	.0003	.014	.0001	.0002	.004	.0019	.0013
%RSD	.1375	.3577	1.539	.9797	.2955	154.0	1.465
#1	.1869	3.835	.0072	.0241	1.403	.0001	.0894
#2	.1872	3.816	.0071	.0244	1.397	-.0026	.0913

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97867.**	**23438.**	**2985.5**	**6505.6**
Stddev	266.	53.	22.0	30.9
%RSD	.27185	.22816	.73624	.47535
#1	97679.	23401.	3001.0	6527.5
#2	98055.	23476.	2969.9	6483.7

Zoom In Zoom Out

Sample Name: jb98986-3 Acquired: 7/15/2015 18:12:47 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3506**	**.0030**	**.0028**	**.1375**	**.1986**	**.7010**	**2.668**	**.2874**	**.0058**
Stddev	.0006	.0001	.0001	.0001	.0013	.0016	.013	.0029	.0005
%RSD	.1724	4.400	3.452	.1074	.6684	.2227	.4699	1.020	9.128
#1	.3502	.0031	.0028	.1376	.1995	.7021	2.677	.2895	.0054
#2	.3510	.0029	.0029	.1374	.1976	.6999	2.659	.2853	.0062

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5477**	**.7251**	**.0353**	**-.0008**	**.5759**	**-.0019**	**.0002**	**164.6**	**114.4**
Stddev	.0026	.0002	.0009	.0022	.0045	.0048	.0008	.5	.4
%RSD	.4800	.0298	2.438	260.9	.7753	252.6	327.3	.2768	.3850
#1	.5458	.7250	.0347	.0007	.5790	.0015	-.0003	164.3	114.1
#2	.5496	.7253	.0360	-.0024	.5727	-.0053	.0008	164.9	114.7

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**189.4**	**68.63**	**7.951**	**19.81**	**.2970**	**.0044**	**.0105**	**2.059**	**.0477**
Stddev	.7	.39	.003	.02	.0025	.0000	.0007	.007	.0009
%RSD	.3478	.5704	.0330	.0971	.8367	.3167	6.719	.3439	1.985
#1	188.9	68.35	7.949	19.79	.2988	.0044	.0100	2.064	.0470
#2	189.8	68.91	7.953	19.82	.2953	.0044	.0110	2.054	.0483

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.3585**	**14.40**	**.0422**	**.1438**	**2.736**	**.0078**	**.0990**
Stddev	.0004	.05	.0008	.0002	.002	.0029	.0012
%RSD	.1227	.3442	1.899	.1481	.0682	36.87	1.201
#1	.3582	14.44	.0416	.1436	2.737	.0058	.0982
#2	.3588	14.37	.0427	.1439	2.734	.0098	.0999

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93722.**	**23164.**	**2837.0**	**6041.9**
Stddev	70.	113.	15.4	2.0
%RSD	.07441	.48761	.54201	.03249
#1	93772.	23244.	2847.9	6043.2
#2	93673.	23084.	2826.2	6040.5

Zoom In Zoom Out

Sample Name: jb98616-21 Acquired: 7/15/2015 18:15:38 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4024**	**.0088**	**.0033**	**.0424**	**.2784**	**.0772**	**1.014**	**.1057**	**-.0017**
Stddev	.0015	.0001	.0003	.0009	.0011	.0008	.007	.0013	.0028
%RSD	.3610	.9457	8.943	2.120	.3780	1.015	.6548	1.248	164.9
#1	.4014	.0088	.0031	.0430	.2792	.0777	1.019	.1067	-.0037
#2	.4035	.0087	.0035	.0418	.2777	.0766	1.009	.1048	.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3680**	**.4765**	**.1583**	**-.0007**	**.0937**	**.0063**	**-.0048**	**98.09**	**8.507**
Stddev	.0057	.0039	.0013	.0010	.0024	.0005	.0026	.29	.020
%RSD	1.556	.8088	.8144	148.4	2.562	8.211	53.87	.2966	.2349
#1	.3720	.4793	.1592	-.0014	.0954	.0059	-.0030	97.88	8.493
#2	.3639	.4738	.1574	.0000	.0920	.0066	-.0067	98.29	8.521

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**305.8**	**32.39**	**37.25**	**38.60**	**.2633**	**.0209**	**-.0012**	**2.132**	**.0260**
Stddev	.4	.03	.10	.11	.0017	.0001	.0009	.013	.0005
%RSD	.1232	.0835	.2552	.2847	.6497	.4378	73.20	.5933	2.045
#1	305.5	32.41	37.18	38.52	.2645	.0208	-.0006	2.141	.0256
#2	306.0	32.37	37.32	38.68	.2621	.0210	-.0018	2.123	.0264

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.2110**	**1.735**	**.0083**	**.0766**	F **125.8**	**-.0043**	**.1297**
Stddev	.0006	.009	.0001	.0013	.6	.0001	.0004
%RSD	.3054	.4906	1.191	1.707	.4545	2.376	.3434
#1	.2105	1.741	.0084	.0775	125.4	-.0042	.1294
#2	.2114	1.729	.0083	.0757	126.2	-.0043	.1300

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93627.**	**22857.**	**2854.8**	**6380.0**
Stddev	252.	42.	25.4	14.0
%RSD	.26876	.18370	.88818	.22015
#1	93449.	22828.	2872.7	6370.0
#2	93805.	22887.	2836.9	6389.9

Zoom In Zoom Out

Sample Name: jb98616-22 Acquired: 7/15/2015 18:18:30 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0581**	**.0036**	**.0012**	**.0080**	**.1417**	**.0201**	**.1847**	**.0196**	**.0028**
Stddev	.0002	.0000	.0003	.0004	.0013	.0004	.0009	.0002	.0017
%RSD	.3216	.2520	25.69	5.502	.9012	1.942	.5070	.8658	61.07
#1	.0582	.0036	.0009	.0083	.1426	.0198	.1840	.0194	.0041
#2	.0579	.0036	.0014	.0077	.1408	.0204	.1854	.0197	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1553**	**.1236**	**.0483**	**.0005**	**.0317**	**.0022**	**-.0014**	**29.33**	**2.021**
Stddev	.0025	.0008	.0006	.0003	.0009	.0023	.0006	.00	.002
%RSD	1.594	.6344	1.224	57.51	2.894	101.7	47.19	.0156	.0748
#1	.1535	.1242	.0487	.0003	.0311	.0039	-.0009	29.33	2.022
#2	.1570	.1231	.0479	.0008	.0324	.0006	-.0018	29.33	2.019

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**145.6**	**6.969**	**16.89**	**1.329**	**.1397**	**.0041**	**.0003**	**1.718**	**.0232**
Stddev	.1	.014	.02	.008	.0000	.0004	.0002	.005	.0005
%RSD	.0639	.2004	.0992	.5880	.0274	10.69	71.83	.2990	2.331
#1	145.5	6.978	16.90	1.334	.1397	.0044	.0001	1.722	.0228
#2	145.6	6.959	16.88	1.323	.1397	.0037	.0004	1.714	.0236

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0340**	**.5517**	**.0026**	**.0215**	**.9719**	**.0003**	**.0216**
Stddev	.0001	.0105	.0001	.0001	.0102	.0005	.0000
%RSD	.1950	1.911	5.323	.3014	1.047	162.3	.1789
#1	.0341	.5442	.0027	.0215	.9791	.0007	.0216
#2	.0340	.5591	.0025	.0216	.9647	-.0000	.0215

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96760.**	**22913.**	**2902.3**	**6763.1**
Stddev	223.	91.	6.1	5.6
%RSD	.23048	.39645	.20879	.08230
#1	96602.	22978.	2906.6	6759.2
#2	96918.	22849.	2898.0	6767.1

Zoom In Zoom Out

Sample Name: jb98616-23 Acquired: 7/15/2015 18:21:25 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0517**	**.0021**	**.0009**	**.0060**	**.0882**	**.0293**	**.1093**	**.0157**	**.0017**
Stddev	.0000	.0000	.0002	.0000	.0001	.0003	.0008	.0003	.0001
%RSD	.0782	.2039	20.00	.0259	.1410	1.094	.7611	1.935	3.479
#1	.0516	.0021	.0008	.0060	.0881	.0291	.1087	.0159	.0017
#2	.0517	.0021	.0011	.0060	.0883	.0295	.1099	.0155	.0018

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1137**	**.1303**	**.0260**	**.0012**	**.0897**	**.0024**	**-.0003**	**25.35**	**1.472**
Stddev	.0002	.0009	.0002	.0016	.0029	.0014	.0021	.00	.003
%RSD	.1947	.7201	.8761	133.0	3.205	56.98	666.9	.0191	.1721
#1	.1136	.1309	.0262	.0001	.0917	.0015	-.0018	25.35	1.470
#2	.1139	.1296	.0258	.0023	.0877	.0034	.0012	25.35	1.474

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**74.19**	**5.250**	**10.64**	**1.028**	**.0847**	**.0027**	**-.0016**	**1.585**	**.0221**
Stddev	.11	.028	.00	.007	.0001	.0001	.0025	.013	.0001
%RSD	.1513	.5229	.0270	.7299	.1325	5.262	160.7	.8337	.4842
#1	74.27	5.230	10.65	1.033	.0848	.0026	.0002	1.594	.0221
#2	74.12	5.269	10.64	1.022	.0846	.0028	-.0034	1.575	.0222

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0278**	**.5552**	**.0008**	**.0132**	**1.864**	**.0004**	**.0195**
Stddev	.0001	.0037	.0001	.0001	.017	.0014	.0001
%RSD	.2865	.6642	15.70	.8877	.9296	336.2	.4067
#1	.0277	.5526	.0007	.0131	1.876	-.0006	.0195
#2	.0278	.5578	.0008	.0133	1.852	.0014	.0196

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98093.**	**22893.**	**2961.9**	**6854.3**
Stddev	340.	23.	35.6	13.9
%RSD	.34669	.10099	1.2014	.20207
#1	97852.	22909.	2936.8	6844.5
#2	98333.	22876.	2987.1	6864.1

Zoom In Zoom Out

Sample Name: jb98616-24 Acquired: 7/15/2015 18:24:21 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0402**	**.0016**	**.0005**	**.0053**	**.0671**	**.0129**	**.1117**	**.0161**	**.0016**
Stddev	.0001	.0000	.0004	.0000	.0001	.0002	.0002	.0001	.0003
%RSD	.3637	.9264	68.96	.2018	.1631	1.519	.1445	.8061	20.49
#1	.0401	.0016	.0008	.0053	.0670	.0130	.1119	.0160	.0018
#2	.0403	.0016	.0003	.0053	.0671	.0127	.1116	.0162	.0014

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.0943**	**.1070**	**.0198**	**.0009**	**.0243**	**.0000**	**-.0002**	**21.18**	**1.253**
Stddev	.0007	.0003	.0011	.0011	.0004	.0016	.0017	.04	.019
%RSD	.7020	.2888	5.671	115.1	1.526	2980000.	1094.	.2101	1.487
#1	.0939	.1072	.0206	.0017	.0245	-.0011	-.0014	21.15	1.266
#2	.0948	.1068	.0190	.0002	.0240	.0011	.0011	21.21	1.239

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.43**	**4.437**	**6.788**	**5.837**	**.0538**	**.0020**	**.0017**	**1.650**	**.0223**
Stddev	.01	.069	.027	.012	.0001	.0002	.0017	.005	.0004
%RSD	.0194	1.561	.3939	.2097	.2540	8.460	97.26	.3279	1.851
#1	51.44	4.486	6.769	5.828	.0539	.0021	.0029	1.654	.0220
#2	51.43	4.388	6.806	5.846	.0537	.0019	.0005	1.647	.0226

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0317**	**.6413**	**.0021**	**.0157**	**4.854**	**-.0010**	**.0229**
Stddev	.0002	.0027	.0009	.0003	.021	.0010	.0002
%RSD	.4998	.4203	41.70	1.631	.4421	99.94	.8877
#1	.0318	.6433	.0015	.0155	4.870	-.0003	.0231
#2	.0316	.6394	.0027	.0159	4.839	-.0016	.0228

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98397.**	**22997.**	**2953.2**	**6869.3**
Stddev	28.	19.	11.9	5.7
%RSD	.02835	.08281	.40346	.08245
#1	98377.	22984.	2961.6	6865.3
#2	98417.	23011.	2944.7	6873.3

Zoom In Zoom Out

Sample Name: jb98616-25 Acquired: 7/15/2015 18:27:16 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.3093**	**.0119**	**.0038**	**.0789**	**.3989**	**.1445**	**1.567**	**.1920**
Stddev	.0018	.0000	.0005	.0003	.0013	.0002	.008	.0003
%RSD	.5876	.2328	12.93	.3972	.3219	.1263	.4821	.1355
#1	.3106	.0119	.0042	.0792	.3998	.1447	1.572	.1922
#2	.3080	.0118	.0035	.0787	.3980	.1444	1.561	.1918

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	F **-.0068**	**.5837**	**.6094**	**.3838**	F **-.0057**	**.1553**	**.0043**	**-.0051**
Stddev	.0013	.0118	.0033	.0030	.0022	.0008	.0005	.0010
%RSD	18.90	2.023	.5490	.7775	39.66	.4831	12.84	19.19
#1	-.0077	.5920	.6118	.3859	-.0072	.1558	.0039	-.0058
#2	-.0059	.5753	.6070	.3817	-.0041	.1548	.0046	-.0044

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**165.4**	**17.37**	**438.5**	**47.27**	**45.75**	**50.68**	**.3722**	**.0902**
Stddev	1.1	.07	3.5	.18	.25	.26	.0013	.0004
%RSD	.6625	.4319	.7990	.3746	.5515	.5081	.3477	.4955
#1	166.1	17.43	441.0	47.39	45.93	50.86	.3731	.0905
#2	164.6	17.32	436.0	47.14	45.57	50.49	.3713	.0899

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	**.0013**	**1.860**	**.0240**	**.3486**	**2.458**	**.0081**	**.1187**	F **370.0**
Stddev	.0002	.020	.0003	.0020	.001	.0024	.0026	.3
%RSD	13.17	1.049	1.388	.5622	.0442	30.30	2.210	.0928
#1	.0014	1.874	.0243	.3500	2.459	.0098	.1206	370.2
#2	.0012	1.846	.0238	.3472	2.457	.0064	.1169	369.8

Elem	Bi2230	Li6707
Avg	**-.0045**	**.3038**
Stddev	.0005	.0004
%RSD	11.44	.1280
#1	-.0041	.3041
#2	-.0049	.3035

Zoom In Zoom Out

Sample Name: jb98616-25 Acquired: 7/15/2015 18:27:16 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94339.**	**23426.**	**2828.4**	**6256.9**
Stddev	351.	175.	18.7	12.0
%RSD	.37217	.74760	.66185	.19119
#1	94587.	23302.	2841.6	6265.3
#2	94091.	23550.	2815.1	6248.4

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 18:30:12 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.010**	**1.995**	**1.997**	**2.007**	**1.998**	**1.948**	**2.024**	**2.015**	**.2443**
Stddev	.007	.010	.013	.006	.021	.010	.017	.009	.0008
%RSD	.3713	.4807	.6689	.2893	1.063	.5195	.8298	.4442	.3278
#1	2.005	1.988	2.007	2.012	2.013	1.955	2.036	2.021	.2449
#2	2.015	2.002	1.988	2.003	1.983	1.941	2.012	2.008	.2438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.004**	**2.039**	**1.969**	**2.043**	**2.016**	**1.985**	**1.988**	**39.69**	**39.50**
Stddev	.008	.009	.016	.006	.011	.015	.016	.25	.20
%RSD	.3901	.4163	.7868	.3060	.5447	.7413	.7881	.6261	.5013
#1	2.010	2.045	1.980	2.048	2.024	1.996	1.999	39.51	39.36
#2	1.999	2.033	1.958	2.039	2.008	1.975	1.977	39.86	39.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.90**	**39.51**	**39.65**	**39.97**	**2.006**	**2.026**	**1.968**	**4.947**	**2.040**
Stddev	.25	.17	.14	.09	.012	.013	.007	.046	.013
%RSD	.6260	.4400	.3628	.2308	.5968	.6358	.3472	.9360	.6114
#1	39.72	39.39	39.54	39.90	2.014	2.036	1.973	4.979	2.048
#2	40.07	39.64	39.75	40.03	1.998	2.017	1.963	4.914	2.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 18:30:12 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.021**	**1.997**	**2.017**	**1.982**	**2.021**	**2.004**	**1.965**
Stddev	.007	.011	.009	.008	.013	.018	.007
%RSD	.3435	.5246	.4515	.4085	.6560	.8802	.3622
#1	2.016	2.005	2.023	1.987	2.030	2.017	1.960
#2	2.026	1.990	2.010	1.976	2.011	1.992	1.970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93745.**	**22298.**	**2816.9**	**6301.7**
Stddev	295.	144.	14.4	17.0
%RSD	.31504	.64508	.51142	.26904
#1	93536.	22400.	2806.7	6289.7
#2	93954.	22196.	2827.1	6313.6

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 18:32:52 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0000**	**.0002**	**.0000**	**-.0003**	**.0004**	**.0001**	**.0006**	**.0006**
Stddev	.0000	.0000	.0002	.0002	.0004	.0004	.0001	.0001	.0002
%RSD	38.17	19.21	121.7	399.6	144.9	109.1	43.42	16.04	29.08
#1	.0001	.0000	.0003	-.0001	-.0006	.0001	.0001	.0006	.0005
#2	.0001	.0000	.0000	.0002	.0000	.0006	.0002	.0005	.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0004**	**-.0004**	**.0004**	**-.0009**	**-.0002**	**.0008**	**.0008**	**.0044**	**.0004**
Stddev	.0001	.0001	.0002	.0015	.0009	.0003	.0023	.0024	.0018
%RSD	16.77	22.45	67.51	170.1	487.7	34.81	275.5	56.06	510.3
#1	.0005	-.0004	.0005	.0002	-.0008	.0009	.0025	.0026	.0016
#2	.0004	-.0003	.0002	-.0020	.0004	.0006	-.0008	.0061	-.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0054**	**.0104**	**.0433**	**.0267**	**.0016**	**.0014**	**-.0001**	**-.0001**	**.0007**
Stddev	.0014	.0082	.0079	.0034	.0008	.0003	.0023	.0005	.0006
%RSD	25.44	78.71	18.34	12.73	51.04	19.12	2346.	656.7	87.44
#1	.0063	.0161	.0377	.0243	.0021	.0012	.0015	-.0004	.0011
#2	.0044	.0046	.0489	.0291	.0010	.0016	-.0017	.0003	.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 18:32:52 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	**.0006**	**.0014**	**.0009**	**F .0174**	**.0015**	**.0009**
Stddev	.0000	.0004	.0001	.0002	.0000	.0003	.0000
%RSD	91.18	78.25	7.800	19.88	.2049	21.08	3.106
#1	.0001	.0009	.0015	.0011	.0174	.0012	.0009
#2	.0000	.0002	.0013	.0008	.0174	.0017	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					.0150		
Low Limit					-.0150		

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**99519.**	**22616.**	**2986.9**	**7117.9**
Stddev	121.	84.	53.8	19.9
%RSD	.12188	.37139	1.8007	.27914
#1	99433.	22556.	2948.9	7103.8
#2	99605.	22675.	3024.9	7131.9

Zoom In Zoom Out

Sample Name: jb98616-26 Acquired: 7/15/2015 18:35:52 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.3116**	**.0100**	**.0021**	**.0423**	**.3966**	**.1498**	**.7846**	**.1061**	**-.0017**
Stddev	.0006	.0000	.0004	.0003	.0043	.0004	.0034	.0014	.0008
%RSD	.1868	.1431	19.50	.7064	1.090	.2436	.4362	1.362	45.69
#1	.3112	.0100	.0018	.0421	.3936	.1500	.7822	.1051	-.0022
#2	.3120	.0100	.0024	.0426	.3997	.1495	.7871	.1071	-.0011

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.5076**	**.4481**	**.2343**	**.0028**	**.5788**	**.0007**	**-.0048**	**131.7**	**7.341**
Stddev	.0002	.0006	.0017	.0016	.0035	.0065	.0025	.1	.016
%RSD	.0482	.1405	.7229	56.22	.6104	947.5	53.34	.0546	.2209
#1	.5075	.4485	.2331	.0017	.5763	-.0039	-.0030	131.6	7.330
#2	.5078	.4476	.2355	.0039	.5813	.0053	-.0066	131.7	7.353

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**318.2**	**31.86**	**40.27**	**6.220**	**.2669**	**.0274**	**-.0035**	**2.254**	**.0235**
Stddev	1.6	.01	.08	.012	.0025	.0000	.0001	.010	.0001
%RSD	.5043	.0416	.1908	.1985	.9461	.0188	1.421	.4292	.4435
#1	317.0	31.85	40.22	6.211	.2687	.0274	-.0035	2.261	.0236
#2	319.3	31.86	40.33	6.228	.2651	.0274	-.0036	2.247	.0234

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1468**	**1.602**	**.0060**	**.0851**	**66.85**	**-.0058**	**.1942**
Stddev	.0003	.008	.0018	.0003	.72	.0017	.0006
%RSD	.1946	.4745	30.67	.3271	1.075	28.71	.2974
#1	.1466	1.597	.0047	.0853	67.36	-.0046	.1938
#2	.1470	1.607	.0073	.0849	66.34	-.0070	.1946

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95844.**	**23277.**	**2890.2**	**6466.1**
Stddev	413.	116.	20.1	10.4
%RSD	.43081	.49785	.69650	.16070
#1	96136.	23359.	2876.0	6473.5
#2	95552.	23195.	2904.4	6458.8

Zoom In Zoom Out

Sample Name: jb98616-27 Acquired: 7/15/2015 18:38:49 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2756**	**.0064**	**.0026**	**.0264**	**.2572**	**.1260**	**.9433**	**.0652**	**-.0006**
Stddev	.0006	.0000	.0002	.0011	.0007	.0001	.0000	.0019	.0004
%RSD	.2218	.7801	6.972	4.296	.2547	.1180	.0035	2.933	70.67
#1	.2752	.0064	.0027	.0272	.2576	.1259	.9433	.0665	-.0009
#2	.2760	.0064	.0024	.0256	.2567	.1261	.9433	.0638	-.0003

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.3634**	**1.496**	**.1532**	**.0009**	**.1200**	**.0032**	**-.0019**	**86.15**	**9.187**
Stddev	.0007	.004	.0000	.0022	.0017	.0013	.0011	.09	.005
%RSD	.1932	.2757	.0320	250.8	1.431	40.72	59.88	.1071	.0540
#1	.3629	1.499	.1532	-.0007	.1212	.0023	-.0027	86.09	9.190
#2	.3639	1.493	.1532	.0025	.1188	.0042	-.0011	86.22	9.183

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**307.8**	**15.08**	**19.90**	**5.492**	**.0762**	**.0083**	**.0013**	**1.990**	**.0235**
Stddev	2.9	.10	.01	.006	.0028	.0000	.0005	.015	.0005
%RSD	.9500	.6779	.0445	.1097	3.710	.0961	37.35	.7392	1.953
#1	305.8	15.00	19.90	5.488	.0782	.0083	.0010	2.001	.0232
#2	309.9	15.15	19.91	5.496	.0742	.0083	.0016	1.980	.0239

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1177**	**2.060**	**.0059**	**.0902**	**29.63**	**-.0018**	**.0932**
Stddev	.0000	.002	.0016	.0000	.00	.0009	.0002
%RSD	.0066	.0951	26.54	.0549	.0120	48.11	.1737
#1	.1177	2.059	.0070	.0902	29.63	-.0012	.0931
#2	.1177	2.061	.0048	.0902	29.64	-.0024	.0934

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**96042.**	**23154.**	**2918.2**	**6615.1**
Stddev	22.	46.	18.7	23.2
%RSD	.02276	.19778	.63920	.35097
#1	96057.	23122.	2931.4	6598.6
#2	96026.	23187.	2905.0	6631.5

Zoom In Zoom Out

Sample Name: jb98616-28 Acquired: 7/15/2015 18:41:43 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0765**	**.0030**	**.0013**	**.0119**	**.1300**	**.0565**	**.2699**	**.0290**	**.0031**
Stddev	.0002	.0000	.0002	.0002	.0009	.0013	.0009	.0001	.0006
%RSD	.3019	.0999	17.15	1.620	.7047	2.287	.3473	.3058	17.96
#1	.0763	.0030	.0011	.0118	.1306	.0574	.2706	.0289	.0027
#2	.0767	.0030	.0014	.0121	.1293	.0556	.2692	.0291	.0035

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1698**	**.1841**	**.0436**	**.0011**	**.0826**	**.0015**	**-.0002**	**34.97**	**7.913**
Stddev	.0032	.0000	.0019	.0008	.0001	.0023	.0011	.09	.013
%RSD	1.886	.0089	4.468	65.96	.0799	157.8	444.1	.2633	.1680
#1	.1721	.1840	.0423	.0017	.0826	-.0002	.0005	34.91	7.903
#2	.1676	.1841	.0450	.0006	.0825	.0031	-.0010	35.04	7.922

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**114.1**	**8.791**	**17.03**	**.9115**	**.1451**	**.0046**	**.0011**	**1.779**	**.0240**
Stddev	.3	.040	.01	.0041	.0017	.0001	.0009	.006	.0008
%RSD	.2378	.4577	.0560	.4518	1.140	1.455	85.48	.3293	3.241
#1	114.0	8.820	17.02	.9144	.1440	.0046	.0004	1.774	.0234
#2	114.3	8.763	17.03	.9086	.1463	.0045	.0017	1.783	.0245

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0538**	**.9185**	**.0018**	**.0255**	**2.069**	**.0014**	**.0218**
Stddev	.0003	.0114	.0002	.0002	.004	.0005	.0001
%RSD	.5813	1.239	10.39	.9263	.1879	37.66	.5113
#1	.0541	.9266	.0017	.0257	2.066	.0010	.0217
#2	.0536	.9105	.0020	.0253	2.071	.0017	.0219

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97590.**	**22945.**	**2961.8**	**6763.6**
Stddev	516.	149.	3.9	25.9
%RSD	.52840	.64752	.13301	.38302
#1	97226.	23050.	2959.0	6781.9
#2	97955.	22840.	2964.6	6745.2

Zoom In Zoom Out

Sample Name: jb98616-29 Acquired: 7/15/2015 18:44:37 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0566**	**.0021**	**.0008**	**.0059**	**.1239**	**.0374**	**.1267**	**.0165**	**.0023**
Stddev	.0002	.0000	.0000	.0006	.0003	.0001	.0005	.0001	.0002
%RSD	.3924	.4965	5.589	10.81	.2096	.1984	.4207	.6226	10.11
#1	.0564	.0021	.0008	.0064	.1241	.0374	.1264	.0166	.0021
#2	.0567	.0021	.0009	.0055	.1237	.0375	.1271	.0164	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1383**	**.2605**	**.0633**	**.0029**	**.1076**	**.0016**	**-.0003**	**28.20**	**2.152**
Stddev	.0005	.0004	.0000	.0003	.0008	.0007	.0007	.16	.006
%RSD	.3820	.1437	.0096	10.50	.7355	46.82	282.0	.5624	.3012
#1	.1379	.2608	.0633	.0031	.1082	.0021	.0003	28.32	2.157
#2	.1387	.2602	.0633	.0027	.1071	.0010	-.0008	28.09	2.148

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**92.46**	**4.342**	**8.113**	**.4364**	**.0614**	**.0030**	**-.0003**	**1.671**	**.0221**
Stddev	.55	.016	.024	.0007	.0005	.0004	.0001	.005	.0009
%RSD	.5920	.3648	.2960	.1549	.7883	11.60	20.31	.2894	4.110
#1	92.84	4.354	8.130	.4368	.0611	.0033	-.0002	1.675	.0228
#2	92.07	4.331	8.096	.4359	.0617	.0028	-.0003	1.668	.0215

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0230**	**.5673**	**-.0002**	**.0174**	**.5588**	**.0007**	**.0171**
Stddev	.0000	.0020	.0001	.0002	.0016	.0018	.0008
%RSD	.0192	.3537	57.61	1.123	.2875	245.4	4.687
#1	.0230	.5659	-.0003	.0176	.5599	.0020	.0165
#2	.0230	.5687	-.0001	.0173	.5577	-.0005	.0176

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99086.**	**22980.**	**2967.3**	**6878.1**
Stddev	30.	180.	13.6	13.2
%RSD	.02983	.78515	.45984	.19168
#1	99107.	22853.	2976.9	6868.8
#2	99065.	23108.	2957.6	6887.4

Zoom In Zoom Out

Sample Name: mp87649-b1conf Acquired: 7/15/2015 18:47:31 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.516**	**1.504**	**1.547**	**1.507**	**1.497**	**1.487**	**1.524**	**1.517**	**.1432**
Stddev	.002	.004	.000	.013	.000	.005	.000	.013	.0014
%RSD	.1441	.2362	.0238	.8741	.0142	.3234	.0011	.8537	1.002
#1	1.518	1.506	1.548	1.498	1.497	1.483	1.524	1.508	.1422
#2	1.515	1.501	1.547	1.517	1.497	1.490	1.524	1.526	.1442

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.494**	**1.608**	**1.497**	**1.615**	**1.562**	**1.569**	**1.518**	**18.98**	**18.84**
Stddev	.005	.091	.002	.010	.029	.008	.017	.06	.07
%RSD	.3424	5.675	.1228	.6417	1.878	.5088	1.105	.3330	.3962
#1	1.491	1.544	1.495	1.608	1.541	1.563	1.530	19.03	18.89
#2	1.498	1.673	1.498	1.622	1.583	1.574	1.506	18.94	18.79

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**18.02**	**18.83**	**19.17**	**19.20**	**1.556**	**1.492**	**1.499**	**.1616**	**1.583**
Stddev	.08	.08	.03	.02	.015	.002	.012	.0007	.013
%RSD	.4658	.4334	.1384	.1291	.9353	.1419	.8041	.4045	.8164
#1	18.08	18.89	19.19	19.22	1.566	1.494	1.491	.1611	1.574
#2	17.96	18.77	19.15	19.19	1.546	1.491	1.508	.1620	1.592

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.526**	**1.487**	**1.471**	**1.463**	**.0219**	**.0073**	**.0009**
Stddev	.004	.004	.006	.003	.0035	.0001	.0005
%RSD	.2620	.2894	.4009	.1720	15.96	.8867	55.67
#1	1.529	1.484	1.475	1.462	.0244	.0073	.0005
#2	1.523	1.490	1.466	1.465	.0194	.0074	.0012

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**99070.**	**23225.**	**3018.3**	**6910.5**
Stddev	35.	107.	46.8	95.4
%RSD	.03542	.46157	1.5490	1.3806
#1	99045.	23149.	2985.3	6843.1
#2	99094.	23301.	3051.4	6978.0

Zoom In Zoom Out

Sample Name: jb98616-30 Acquired: 7/15/2015 18:50:14 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.0898**	**.0024**	**.0010**	**.0074**	**.1274**	**.1883**	**.1735**	**.0213**	**.0020**
Stddev	.0005	.0000	.0007	.0001	.0008	.0008	.0010	.0001	.0006
%RSD	.5464	1.787	64.72	1.205	.5928	.4009	.5676	.2695	29.34
#1	.0901	.0024	.0006	.0074	.1269	.1878	.1728	.0212	.0024
#2	.0895	.0024	.0015	.0075	.1280	.1888	.1742	.0213	.0016

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1340**	**.2484**	**.0400**	**.0022**	**.2139**	**.0017**	**.0019**	**26.14**	**2.950**
Stddev	.0017	.0001	.0021	.0005	.0006	.0011	.0013	.02	.001
%RSD	1.284	.0412	5.309	23.08	.2853	67.67	65.59	.0695	.0459
#1	.1328	.2483	.0415	.0025	.2135	.0009	.0010	26.15	2.951
#2	.1352	.2485	.0385	.0018	.2144	.0024	.0028	26.13	2.949

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**86.86**	**5.154**	**11.52**	**.6486**	**.0937**	**.0062**	**-.0004**	**1.543**	**.0361**
Stddev	.12	.007	.03	.0026	.0004	.0002	.0008	.004	.0004
%RSD	.1378	.1445	.2594	.4021	.4619	2.856	222.7	.2672	1.183
#1	86.95	5.160	11.54	.6504	.0934	.0061	-.0009	1.546	.0364
#2	86.78	5.149	11.50	.6467	.0940	.0064	.0002	1.540	.0358

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0403**	**.5882**	**.0056**	**.0219**	**4.300**	**-.0011**	**.0219**
Stddev	.0000	.0063	.0014	.0001	.006	.0007	.0003
%RSD	.0600	1.070	25.58	.6357	.1419	59.33	1.387
#1	.0403	.5837	.0045	.0220	4.304	-.0016	.0222
#2	.0403	.5926	.0066	.0218	4.295	-.0007	.0217

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**98101.**	**23296.**	**2919.7**	**6832.6**
Stddev	64.	12.	1.5	3.6
%RSD	.06537	.05239	.05170	.05323
#1	98056.	23305.	2918.7	6830.0
#2	98146.	23288.	2920.8	6835.2

Zoom In Zoom Out

Sample Name: jb98699-1a Acquired: 7/15/2015 18:53:07 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4848**	**.0031**	**.0020**	**.0792**	**1.297**	**.0245**	**.8079**	**.0530**	**.0018**
Stddev	.0010	.0001	.0002	.0000	.002	.0003	.0012	.0004	.0001
%RSD	.2139	2.009	10.47	.0272	.1254	1.095	.1445	.8284	6.811
#1	.4841	.0031	.0018	.0792	1.296	.0243	.8071	.0533	.0017
#2	.4855	.0032	.0021	.0792	1.298	.0247	.8088	.0526	.0019

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.2034**	**.2004**	**.0085**	**.0013**	**.0916**	**.0022**	**-.0015**	**12.25**	**4.686**
Stddev	.0006	.0061	.0013	.0009	.0007	.0021	.0005	.07	.015
%RSD	.3128	3.065	14.89	66.78	.8007	95.82	33.92	.6077	.3096
#1	.2030	.2047	.0076	.0020	.0922	.0007	-.0018	12.20	4.676
#2	.2039	.1960	.0094	.0007	.0911	.0037	-.0011	12.30	4.697

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**12.54**	**1.004**	**.6791**	**.2342**	**.0066**	**.0026**	**-.0001**	**3.241**	**.0225**
Stddev	.03	.015	.0017	.0004	.0002	.0001	.0006	.012	.0006
%RSD	.2201	1.441	.2474	.1857	2.792	5.134	927.2	.3802	2.858
#1	12.52	.9939	.6779	.2345	.0068	.0026	.0004	3.233	.0229
#2	12.56	1.014	.6803	.2339	.0065	.0025	-.0005	3.250	.0220

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0278**	**.8052**	**.0047**	**.0087**	**4.057**	**.0019**	**.0074**
Stddev	.0002	.0017	.0020	.0000	.006	.0007	.0002
%RSD	.7151	.2134	41.21	.0358	.1384	34.35	2.386
#1	.0277	.8040	.0034	.0087	4.053	.0015	.0075
#2	.0280	.8064	.0061	.0087	4.061	.0024	.0073

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**101200.**	**23453.**	**2983.4**	**6918.4**
Stddev	146.	111.	37.9	69.4
%RSD	.14391	.47473	1.2718	1.0035
#1	101100.	23532.	3010.2	6967.5
#2	101310.	23375.	2956.6	6869.3

Zoom In Zoom Out

Sample Name: jb98699-3a Acquired: 7/15/2015 18:56:01 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.111**	**.0091**	**.0055**	**.0630**	**4.072**	**.1139**	**1.828**	**.1885**	**.0046**
Stddev	.001	.0000	.0000	.0002	.018	.0007	.009	.0012	.0008
%RSD	.0504	.0418	.5434	.3278	.4441	.5762	.4816	.6312	18.31
#1	1.111	.0091	.0055	.0628	4.085	.1143	1.834	.1876	.0040
#2	1.111	.0091	.0054	.0631	4.059	.1134	1.822	.1893	.0052

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.9487**	**.5970**	**.0437**	**.0008**	**.2442**	**.0115**	**.0026**	**55.05**	**12.93**
Stddev	.0166	.0021	.0011	.0009	.0030	.0005	.0002	.06	.03
%RSD	1.751	.3519	2.499	102.6	1.223	4.657	8.517	.1094	.2160
#1	.9604	.5985	.0429	.0014	.2420	.0119	.0028	55.09	12.95
#2	.9369	.5955	.0445	.0002	.2463	.0111	.0025	55.00	12.92

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**51.46**	**3.955**	**2.222**	**.6506**	**.0316**	**.0301**	**-.0021**	**9.567**	**.0495**
Stddev	.09	.063	.002	.0013	.0003	.0006	.0005	.116	.0006
%RSD	.1651	1.604	.0838	.1969	.8415	1.961	22.96	1.215	1.247
#1	51.52	4.000	2.221	.6497	.0318	.0305	-.0025	9.649	.0500
#2	51.40	3.910	2.223	.6515	.0315	.0297	-.0018	9.485	.0491

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0963**	**.8123**	**.0214**	**.0087**	**27.85**	**-.0021**	**.0305**
Stddev	.0001	.0133	.0011	.0000	.38	.0012	.0006
%RSD	.1098	1.640	5.264	.3702	1.367	57.47	2.013
#1	.0962	.8217	.0222	.0087	28.12	-.0013	.0301
#2	.0964	.8029	.0206	.0088	27.58	-.0030	.0309

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100500.**	**23492.**	**3023.3**	**6660.6**
Stddev	396.	137.	32.3	6.0
%RSD	.39415	.58106	1.0697	.09013
#1	100220.	23396.	3000.5	6656.3
#2	100780.	23589.	3046.2	6664.8

Zoom In Zoom Out

Sample Name: jb98699-4a Acquired: 7/15/2015 18:58:53 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**1.880**	**.0093**	**.0052**	**.0623**	**8.201**	**.1152**	**2.005**	**.2240**	**.0038**
Stddev	.005	.0001	.0001	.0002	.076	.0008	.011	.0025	.0007
%RSD	.2672	.8391	1.069	.3527	.9247	.6664	.5410	1.114	17.88
#1	1.876	.0093	.0052	.0625	8.254	.1158	2.013	.2257	.0043
#2	1.884	.0094	.0051	.0622	8.147	.1147	1.998	.2222	.0033

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.901**	**.5951**	**.0578**	**-.0019**	**.2153**	**.0131**	**.0026**	**42.80**	**21.92**
Stddev	.015	.0077	.0009	.0007	.0025	.0002	.0010	.08	.06
%RSD	.5114	1.298	1.540	35.22	1.158	1.530	39.00	.1793	.2713
#1	2.912	.6005	.0572	-.0024	.2170	.0133	.0033	42.75	21.88
#2	2.891	.5896	.0584	-.0014	.2135	.0130	.0019	42.86	21.96

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**41.62**	**4.815**	**1.787**	**.7124**	**.0300**	**.0370**	**.0015**	**3.814**	**.0350**
Stddev	.09	.082	.004	.0049	.0010	.0005	.0001	.028	.0006
%RSD	.2131	1.699	.2370	.6836	3.218	1.222	4.587	.7243	1.631
#1	41.56	4.757	1.790	.7089	.0306	.0374	.0015	3.834	.0354
#2	41.69	4.873	1.784	.7158	.0293	.0367	.0014	3.794	.0346

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1459**	**.6987**	**.0179**	**.0068**	**28.72**	**-.0029**	**.0249**
Stddev	.0005	.0087	.0005	.0006	.01	.0013	.0001
%RSD	.3298	1.252	2.986	8.277	.0452	44.71	.2169
#1	.1455	.7048	.0175	.0064	28.73	-.0020	.0249
#2	.1462	.6925	.0183	.0072	28.71	-.0038	.0250

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**100840.**	**23559.**	**2969.6**	**6705.9**
Stddev	51.	27.	3.5	19.1
%RSD	.05052	.11635	.11660	.28459
#1	100880.	23578.	2972.1	6719.4
#2	100800.	23540.	2967.2	6692.4

Zoom In Zoom Out

Sample Name: jb98699-5a Acquired: 7/15/2015 19:01:45 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**1.712**	**.0155**	**.0126**	**.5251**	**.0638**	**.0655**	**2.951**	**.1462**
Stddev	.002	.0001	.0001	.0072	.0006	.0011	.005	.0029
%RSD	.0851	.6876	1.142	1.369	.8743	1.736	.1851	1.991
#1	1.711	.0154	.0127	.5302	.0642	.0647	2.955	.1483
#2	1.713	.0156	.0125	.5200	.0634	.0663	2.947	.1442

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	**.0015**	**.0913**	**.5067**	**.0341**	**.0011**	**.3054**	**.0055**	**.0016**
Stddev	.0001	.0011	.0071	.0009	.0017	.0050	.0002	.0003
%RSD	6.688	1.193	1.402	2.558	152.2	1.644	4.426	17.25
#1	.0015	.0905	.5118	.0334	.0023	.3090	.0054	.0014
#2	.0016	.0921	.5017	.0347	-.0001	.3019	.0057	.0018

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**43.15**	**17.52**	**41.39**	**3.972**	**1.539**	**.4180**	**.0146**	**.0025**
Stddev	.08	.03	.09	.006	.003	.0022	.0006	.0003
%RSD	.1758	.1666	.2076	.1574	.2084	.5165	4.299	10.17
#1	43.10	17.50	41.33	3.967	1.541	.4195	.0150	.0027
#2	43.21	17.54	41.45	3.976	1.537	.4165	.0141	.0023

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	W **-.0095**	**3.389**	**.0283**	**.1048**	**.6404**	**.0042**	**.0156**	**12.26**
Stddev	.0001	.055	.0004	.0001	.0107	.0003	.0004	.07
%RSD	1.120	1.634	1.560	.0689	1.675	8.323	2.730	.5391
#1	-.0094	3.429	.0286	.1048	.6328	.0044	.0153	12.30
#2	-.0096	3.350	.0280	.1049	.6480	.0039	.0160	12.21

Elem	Bi2230	Li6707
Avg	**-.0024**	**.0181**
Stddev	.0011	.0000
%RSD	46.53	.1187
#1	-.0032	.0181
#2	-.0016	.0181

Zoom In Zoom Out

Sample Name: jb98699-5a Acquired: 7/15/2015 19:01:45 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**114360.**	**26908.**	**3391.8**	**6704.8**
Stddev	130.	1.	3.6	5.3
%RSD	.11400	.00196	.10690	.07964
#1	114270.	26908.	3394.3	6708.6
#2	114450.	26908.	3389.2	6701.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 19:04:38 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.038**	**2.016**	**2.020**	**2.037**	**2.018**	**1.978**	**2.047**	**2.038**	**.2471**
Stddev	.002	.003	.012	.010	.001	.000	.004	.011	.0015
%RSD	.0830	.1431	.5798	.4709	.0329	.0080	.1899	.5136	.5872
#1	2.039	2.014	2.029	2.044	2.018	1.978	2.045	2.046	.2481
#2	2.037	2.018	2.012	2.030	2.018	1.978	2.050	2.031	.2461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.028**	**2.072**	**1.986**	**2.072**	**2.047**	**2.011**	**2.009**	**40.26**	**39.92**
Stddev	.006	.014	.015	.012	.009	.011	.017	.04	.17
%RSD	.2831	.6737	.7587	.5858	.4476	.5217	.8433	.0897	.4173
#1	2.024	2.082	1.997	2.081	2.054	2.019	2.021	40.23	39.81
#2	2.032	2.062	1.975	2.063	2.041	2.004	1.997	40.28	40.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.16**	**39.90**	**40.26**	**40.46**	**2.027**	**2.042**	**1.980**	**5.014**	**2.074**
Stddev	.09	.07	.03	.01	.010	.019	.005	.015	.005
%RSD	.2262	.1831	.0628	.0193	.4846	.9121	.2711	.2911	.2291
#1	40.09	39.85	40.24	40.46	2.034	2.055	1.984	5.024	2.077
#2	40.22	39.95	40.28	40.45	2.020	2.029	1.976	5.004	2.071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 19:04:38 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.039**	**2.019**	**2.043**	**2.005**	**2.002**	**2.017**	**1.992**
Stddev	.002	.000	.013	.002	.002	.009	.006
%RSD	.0789	.0105	.6397	.0920	.1167	.4361	.3123
#1	2.040	2.019	2.052	2.006	2.003	2.024	1.996
#2	2.038	2.019	2.034	2.004	2.000	2.011	1.987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**93057.**	**22111.**	**2801.0**	**6255.5**
Stddev	57.	93.	15.1	17.0
%RSD	.06163	.42026	.53751	.27174
#1	93017.	22177.	2790.3	6243.5
#2	93098.	22045.	2811.6	6267.5

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 19:07:18 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**-.0000**	**.0001**	**-.0000**	**-.0000**	**.0004**	**.0001**	**.0002**	**.0003**
Stddev	.0000	.0000	.0002	.0003	.0001	.0004	.0001	.0004	.0007
%RSD	13.92	87.73	155.4	4610.	653.7	105.9	179.6	238.0	224.8
#1	.0002	-.0000	-.0000	-.0002	-.0001	.0001	.0002	-.0001	-.0002
#2	.0002	-.0000	.0003	.0002	.0001	.0007	-.0000	.0005	.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0007**	**-.0001**	**.0012**	**.0010**	**-.0006**	**.0022**	**.0012**	**.0014**	**.0054**
Stddev	.0007	.0000	.0002	.0010	.0008	.0003	.0006	.0034	.0028
%RSD	93.67	39.75	17.66	98.31	141.2	12.50	50.01	238.8	53.22
#1	.0002	-.0000	.0013	.0017	-.0000	.0024	.0016	-.0010	.0033
#2	.0012	-.0001	.0010	.0003	-.0012	.0020	.0007	.0038	.0074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0037**	**.0097**	**.0692**	**.0009**	**.0013**	**.0013**	**.0007**	**.0016**	F **.0013**
Stddev	.0019	.0081	.0084	.0028	.0016	.0001	.0005	.0006	.0004
%RSD	51.36	84.26	12.13	327.9	125.3	7.623	76.55	39.38	31.12
#1	.0024	.0039	.0751	.0029	.0001	.0013	.0011	.0020	.0016
#2	.0051	.0154	.0632	-.0011	.0024	.0014	.0003	.0012	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									.0012
Low Limit									-.0012

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 19:07:18 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	F **.0011**	**.0002**	**.0006**	**.0053**	**.0003**	**.0008**
Stddev	.0000	.0003	.0003	.0004	.0034	.0020	.0003
%RSD	76.67	25.82	146.7	75.88	64.10	597.8	35.74
#1	.0001	.0009	.0004	.0003	.0077	.0017	.0006
#2	.0000	.0013	-.0000	.0009	.0029	-.0011	.0010
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010					
Low Limit		-.0010					

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**98604.**	**22253.**	**2938.7**	**7073.5**
Stddev	166.	68.	3.5	3.8
%RSD	.16805	.30758	.12012	.05364
#1	98487.	22302.	2936.2	7070.8
#2	98722.	22205.	2941.2	7076.1

Zoom In Zoom Out

Sample Name: mp87656-s1 Acquired: 7/15/2015 19:10:17 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.028**	**1.898**	**1.850**	**1.928**	**1.983**	**1.937**	**3.336**	**1.969**	**.2206**
Stddev	.007	.001	.001	.004	.016	.008	.021	.008	.0014
%RSD	.3488	.0356	.0262	.2312	.8036	.4360	.6371	.3871	.6237
#1	2.023	1.898	1.850	1.931	1.994	1.943	3.351	1.975	.2196
#2	2.033	1.897	1.850	1.925	1.971	1.931	3.321	1.964	.2215

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.060**	**2.042**	**1.723**	**1.879**	**1.998**	**1.820**	**.9039**	**181.8**	**24.09**
Stddev	.012	.001	.005	.000	.005	.003	.0008	.2	.01
%RSD	.5760	.0367	.2713	.0186	.2686	.1652	.0916	.1312	.0288
#1	2.068	2.042	1.720	1.879	2.001	1.818	.9033	181.7	24.10
#2	2.051	2.041	1.726	1.880	1.994	1.822	.9044	182.0	24.09

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**137.0**	**25.93**	**28.65**	**24.22**	**1.802**	**1.711**	**1.084**	**4.028**	**1.677**
Stddev	.0	.06	.09	.09	.003	.001	.004	.006	.001
%RSD	.0272	.2478	.3277	.3704	.1764	.0330	.3797	.1543	.0378
#1	137.0	25.98	28.58	24.15	1.800	1.711	1.087	4.024	1.676
#2	136.9	25.88	28.71	24.28	1.804	1.711	1.081	4.033	1.677

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.936**	**2.738**	**1.184**	**1.734**	**.3176**	**.0007**	**.0297**
Stddev	.005	.015	.001	.013	.0009	.0011	.0006
%RSD	.2448	.5543	.0905	.7207	.2802	159.0	1.963
#1	1.933	2.749	1.185	1.742	.3170	.0015	.0301
#2	1.939	2.727	1.183	1.725	.3183	-.0001	.0293

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93112.**	**22633.**	**2842.1**	**6240.7**
Stddev	616.	89.	7.8	3.8
%RSD	.66160	.39526	.27597	.06061
#1	92677.	22570.	2847.7	6238.0
#2	93548.	22697.	2836.6	6243.3

Zoom In Zoom Out

Sample Name: mp87656-s2 Acquired: 7/15/2015 19:12:58 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**2.074**	**1.954**	**1.914**	**2.002**	**2.048**	**1.986**	**3.748**	**2.042**	**.2321**
Stddev	.003	.001	.011	.009	.002	.011	.002	.000	.0022
%RSD	.1363	.0307	.5898	.4471	.0995	.5275	.0535	.0102	.9404
#1	2.076	1.953	1.922	2.008	2.046	1.994	3.747	2.042	.2337
#2	2.072	1.954	1.906	1.996	2.049	1.979	3.750	2.042	.2306

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**2.124**	**2.133**	**1.803**	**1.949**	**2.074**	**1.869**	**.9257**	**187.1**	**24.82**
Stddev	.002	.002	.011	.013	.007	.018	.0137	.1	.04
%RSD	.1049	.0760	.6157	.6679	.3276	.9431	1.485	.0289	.1789
#1	2.126	2.134	1.811	1.959	2.078	1.882	.9354	187.2	24.79
#2	2.122	2.132	1.795	1.940	2.069	1.857	.9160	187.1	24.85

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**140.7**	**26.86**	**29.40**	**24.91**	**1.848**	**1.803**	**1.104**	**4.051**	**1.765**
Stddev	.3	.12	.01	.02	.016	.006	.003	.032	.013
%RSD	.2007	.4565	.0353	.0802	.8740	.3253	.2730	.7869	.7241
#1	140.5	26.77	29.39	24.89	1.859	1.807	1.106	4.073	1.774
#2	140.9	26.94	29.41	24.92	1.836	1.799	1.102	4.028	1.756

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**1.986**	**2.908**	**1.227**	**1.814**	**.3254**	**.0013**	**.0308**
Stddev	.001	.000	.011	.004	.0036	.0011	.0005
%RSD	.0528	.0086	.9326	.2412	1.113	86.04	1.581
#1	1.987	2.908	1.235	1.817	.3279	.0020	.0311
#2	1.985	2.908	1.219	1.811	.3228	.0005	.0305

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93506.**	**22508.**	**2856.9**	**6270.2**
Stddev	7.	96.	8.4	11.6
%RSD	.00730	.42550	.29270	.18567
#1	93501.	22576.	2850.9	6261.9
#2	93511.	22441.	2862.8	6278.4

Zoom In Zoom Out

Sample Name: jb98749-4 Acquired: 7/15/2015 19:15:39 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Avg	**.4975**	**.0119**	**.0043**	**.0779**	**.6868**	**.0438**	**1.244**	**.1644**
Stddev	.0001	.0000	.0001	.0001	.0044	.0009	.007	.0014
%RSD	.0155	.1078	3.178	.1229	.6371	1.943	.6008	.8789
#1	.4974	.0119	.0042	.0778	.6837	.0444	1.239	.1634
#2	.4975	.0119	.0044	.0780	.6899	.0432	1.249	.1655

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Avg	F **-.0710**	**1.878**	**.6441**	**.3914**	F **-.0046**	**.1111**	F **-.0391**	F **-.0093**
Stddev	.0068	.011	.0089	.0013	.0013	.0000	.0030	.0003
%RSD	9.604	.5721	1.389	.3428	28.06	.0086	7.612	3.401
#1	-.0662	1.871	.6504	.3923	-.0037	.1112	-.0412	-.0091
#2	-.0759	1.886	.6378	.3904	-.0056	.1111	-.0370	-.0095

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Avg	**178.9**	**2.823**	F **873.3**	**32.77**	**91.92**	**.3339**	**.4225**	**.0031**
Stddev	.0	.009	6.4	.01	.03	.0040	.0040	.0003
%RSD	.0204	.3381	.7305	.0366	.0311	1.192	.9433	11.10
#1	178.9	2.830	877.9	32.78	91.90	.3311	.4253	.0034
#2	178.9	2.817	868.8	32.76	91.94	.3367	.4197	.0029

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Avg	W **-.0451**	**3.444**	**.0193**	**.0706**	**1.703**	**.0155**	**.1200**	**2.721**
Stddev	.0032	.037	.0015	.0000	.004	.0027	.0001	.024
%RSD	7.015	1.073	7.685	.0662	.2185	17.48	.0524	.8743
#1	-.0428	3.470	.0182	.0706	1.701	.0174	.1200	2.738
#2	-.0473	3.418	.0203	.0705	1.706	.0136	.1200	2.704

Elem	Bi2230	Li6707
Avg	**-.0083**	**.1283**
Stddev	.0015	.0009
%RSD	17.52	.7044
#1	-.0094	.1290
#2	-.0073	.1277

Zoom In Zoom Out

Sample Name: jb98749-4 Acquired: 7/15/2015 19:15:39 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**93659.**	**22907.**	**2849.3**	**6405.7**
Stddev	615.	28.	32.3	14.3
%RSD	.65653	.12126	1.1352	.22322
#1	94094.	22887.	2826.4	6415.8
#2	93225.	22926.	2872.1	6395.6

Zoom In Zoom Out

Sample Name: mp87656-sd1 Acquired: 7/15/2015 19:18:36 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 5.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.5164**	**.0122**	**.0056**	**.0819**	**.7410**	**.0647**	**1.349**	**.1809**	**.0148**
Stddev	.0025	.0002	.0015	.0032	.0044	.0025	.002	.0008	.0108
%RSD	.4853	1.484	25.85	3.923	.5967	3.892	.1104	.4418	72.57
#1	.5147	.0123	.0046	.0842	.7441	.0629	1.350	.1804	.0072
#2	.5182	.0121	.0066	.0796	.7379	.0664	1.348	.1815	.0225

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**1.987**	**.6960**	**.4034**	**.0121**	**.1111**	**-.0053**	**-.0133**	**182.1**	**3.027**
Stddev	.008	.0036	.0067	.0058	.0061	.0024	.0045	.4	.003
%RSD	.4167	.5224	1.661	48.31	5.480	45.28	33.97	.1954	.1065
#1	1.993	.6986	.4081	.0080	.1155	-.0070	-.0101	181.8	3.024
#2	1.981	.6934	.3987	.0162	.1068	-.0036	-.0164	182.3	3.029

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**1135.**	**35.15**	**94.29**	**.4333**	**.4608**	**.0033**	**-.0080**	**3.675**	**.0178**
Stddev	1.	.18	.17	.0336	.0029	.0008	.0039	.021	.0089
%RSD	.0683	.5166	.1795	7.761	.6201	24.74	48.90	.5700	49.79
#1	1135.	35.28	94.17	.4571	.4628	.0028	-.0052	3.690	.0241
#2	1136.	35.03	94.41	.4095	.4588	.0039	-.0107	3.660	.0115

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0789**	**1.806**	**.0188**	**.1344**	**2.887**	**-.0187**	**.1358**
Stddev	.0002	.014	.0094	.0001	.006	.0032	.0048
%RSD	.2043	.7517	50.11	.0804	.2258	16.91	3.517
#1	.0790	1.815	.0121	.1345	2.892	-.0209	.1392
#2	.0787	1.796	.0254	.1344	2.883	-.0164	.1324

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**95946.**	**22256.**	**2927.9**	**6687.6**
Stddev	82.	127.	34.4	5.4
%RSD	.08518	.56862	1.1748	.08039
#1	95888.	22167.	2952.3	6691.4
#2	96004.	22346.	2903.6	6683.8

Zoom In Zoom Out

Sample Name: jb98535-2r Acquired: 7/15/2015 19:21:31 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2681**	**.0032**	**.0018**	**.0354**	**.0908**	**.3054**	**1.275**	**.0831**	**.0027**
Stddev	.0008	.0000	.0000	.0005	.0000	.0041	.003	.0002	.0010
%RSD	.2862	1.187	.0301	1.434	.0114	1.355	.2533	.1871	37.78
#1	.2676	.0032	.0018	.0350	.0908	.3084	1.277	.0832	.0020
#2	.2687	.0032	.0018	.0358	.0908	.3025	1.272	.0830	.0034

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1453**	**.5241**	**.0380**	**.0036**	**.4612**	**.0005**	**.0039**	**40.33**	**22.54**
Stddev	.0031	.0021	.0002	.0003	.0014	.0009	.0020	.22	.03
%RSD	2.160	.4066	.4969	8.585	.3070	187.4	51.70	.5342	.1360
#1	.1476	.5256	.0379	.0039	.4622	.0011	.0025	40.18	22.52
#2	.1431	.5226	.0382	.0034	.4602	-.0002	.0053	40.48	22.57

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**99.14**	**13.19**	**6.506**	**.8137**	**.0500**	**.0040**	**.0005**	**2.345**	**.0557**
Stddev	.41	.11	.028	.0075	.0005	.0001	.0022	.006	.0012
%RSD	.4161	.8653	.4316	.9263	1.059	2.807	431.3	.2522	2.164
#1	98.85	13.11	6.486	.8084	.0504	.0041	.0021	2.350	.0565
#2	99.43	13.27	6.526	.8190	.0497	.0040	-.0011	2.341	.0548

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1043**	**1.557**	**.0046**	**.0400**	**1.190**	**.0007**	**.0601**
Stddev	.0007	.007	.0009	.0007	.003	.0001	.0006
%RSD	.6728	.4834	18.91	1.752	.2451	17.21	1.068
#1	.1038	1.563	.0040	.0405	1.188	.0008	.0605
#2	.1048	1.552	.0052	.0395	1.192	.0006	.0596

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97621.**	**22819.**	**2937.2**	**6665.5**
Stddev	295.	15.	10.4	13.6
%RSD	.30217	.06718	.35478	.20449
#1	97412.	22829.	2929.9	6675.1
#2	97829.	22808.	2944.6	6655.8

Zoom In Zoom Out

Sample Name: jb98535-4r Acquired: 7/15/2015 19:24:25 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.2709**	**.0036**	**.0017**	**.0369**	**.1036**	**.3152**	**.9818**	**.0880**	**.0022**
Stddev	.0006	.0000	.0003	.0008	.0008	.0024	.0073	.0008	.0009
%RSD	.2148	1.323	16.11	2.143	.7503	.7489	.7423	.9442	42.29
#1	.2714	.0037	.0015	.0374	.1031	.3135	.9870	.0886	.0028
#2	.2705	.0036	.0019	.0363	.1042	.3169	.9767	.0874	.0015

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1302**	**.7816**	**.0374**	**.0013**	**.5094**	**.0011**	**.0102**	**42.95**	**20.56**
Stddev	.0021	.0051	.0005	.0016	.0032	.0029	.0005	.18	.01
%RSD	1.628	.6471	1.235	121.5	.6283	257.5	5.220	.4190	.0498
#1	.1287	.7852	.0371	.0025	.5117	.0032	.0098	43.07	20.56
#2	.1317	.7780	.0378	.0002	.5072	-.0009	.0106	42.82	20.55

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**115.2**	**11.58**	**6.665**	**1.134**	**.0414**	**.0125**	**.0001**	**2.197**	**.0900**
Stddev	.3	.01	.023	.001	.0003	.0002	.0004	.003	.0007
%RSD	.2451	.1151	.3445	.1137	.7640	1.629	570.7	.1476	.7922
#1	115.4	11.59	6.682	1.133	.0416	.0127	-.0002	2.199	.0895
#2	115.0	11.57	6.649	1.134	.0412	.0124	.0004	2.195	.0905

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.1552**	**1.585**	**.0043**	**.0406**	**1.447**	**-.0028**	**.0633**
Stddev	.0006	.006	.0018	.0003	.007	.0001	.0004
%RSD	.3616	.3768	42.02	.6256	.4909	5.351	.6593
#1	.1556	1.589	.0030	.0405	1.452	-.0029	.0630
#2	.1548	1.581	.0055	.0408	1.442	-.0027	.0636

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97392.**	**22769.**	**2930.1**	**6674.9**
Stddev	67.	31.	12.6	1.5
%RSD	.06836	.13747	.42902	.02232
#1	97344.	22747.	2939.0	6675.9
#2	97439.	22791.	2921.2	6673.8

Zoom In Zoom Out

Sample Name: jb98749-1 Acquired: 7/15/2015 19:27:19 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.4031**	**.0032**	**.0015**	**.0131**	**.1421**	**.1225**	**.2341**	**.0380**	**.0023**
Stddev	.0002	.0000	.0006	.0005	.0013	.0006	.0013	.0005	.0001
%RSD	.0531	.6844	40.38	3.551	.8823	.5228	.5373	1.336	4.113
#1	.4033	.0032	.0011	.0128	.1430	.1230	.2350	.0383	.0024
#2	.4030	.0032	.0020	.0134	.1412	.1221	.2332	.0376	.0022

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1151**	**.3354**	**.0341**	**-.0009**	**.2740**	**.0046**	**.0004**	**45.62**	**9.340**
Stddev	.0016	.0008	.0035	.0005	.0006	.0020	.0009	.06	.013
%RSD	1.415	.2309	10.25	52.03	.2167	43.62	203.0	.1226	.1386
#1	.1163	.3360	.0317	-.0013	.2736	.0032	.0011	45.58	9.331
#2	.1140	.3349	.0366	-.0006	.2744	.0061	-.0002	45.66	9.349

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**62.30**	**6.608**	**7.705**	**.2369**	**.0437**	**.0019**	**-.0015**	**2.077**	**.0287**
Stddev	.05	.086	.021	.0062	.0006	.0000	.0009	.004	.0006
%RSD	.0807	1.309	.2679	2.598	1.297	2.492	56.51	.1899	2.168
#1	62.26	6.669	7.719	.2413	.0441	.0018	-.0021	2.080	.0283
#2	62.34	6.547	7.690	.2326	.0433	.0019	-.0009	2.074	.0292

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0643**	**.9042**	**.0033**	**.0109**	**.5957**	**-.0044**	**.0380**
Stddev	.0008	.0108	.0004	.0001	.0039	.0000	.0006
%RSD	1.193	1.197	12.76	1.307	.6528	.0440	1.464
#1	.0649	.9119	.0030	.0110	.5930	-.0044	.0384
#2	.0638	.8966	.0036	.0108	.5985	-.0044	.0376

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97706.**	**22608.**	**2951.8**	**6698.4**
Stddev	84.	31.	29.1	4.0
%RSD	.08619	.13857	.98515	.06008
#1	97647.	22630.	2931.2	6701.3
#2	97766.	22585.	2972.4	6695.6

Zoom In Zoom Out

Sample Name: jb98749-2 Acquired: 7/15/2015 19:30:13 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1108**	**.0043**	**.0014**	**.0523**	**.0863**	**.0566**	**1.724**	**.0619**	**.0034**
Stddev	.0007	.0001	.0001	.0003	.0011	.0008	.023	.0004	.0015
%RSD	.6646	1.392	4.263	.6468	1.294	1.430	1.336	.5807	45.42
#1	.1103	.0043	.0014	.0521	.0871	.0571	1.740	.0616	.0023
#2	.1113	.0042	.0014	.0525	.0855	.0560	1.707	.0621	.0045

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1786**	**.1764**	**.0528**	**.0041**	**.1544**	**-.0043**	**-.0003**	**108.9**	**.6501**
Stddev	.0005	.0017	.0014	.0001	.0006	.0023	.0012	.5	.0026
%RSD	.2607	.9698	2.659	1.490	.3745	53.21	379.4	.4444	.3948
#1	.1783	.1776	.0537	.0041	.1548	-.0059	-.0012	108.6	.6483
#2	.1789	.1752	.0518	.0042	.1539	-.0027	.0005	109.2	.6519

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**119.8**	**2.224**	**2.986**	**.1070**	**.0135**	**.0050**	**-.0014**	**2.341**	**.0236**
Stddev	.6	.024	.002	.0016	.0001	.0000	.0010	.024	.0006
%RSD	.4890	1.092	.0624	1.512	.7694	.3608	73.95	1.005	2.593
#1	119.4	2.207	2.987	.1058	.0135	.0050	-.0007	2.358	.0232
#2	120.2	2.241	2.984	.1081	.0136	.0050	-.0021	2.325	.0240

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0192**	**1.249**	**.0016**	**.0380**	**.3342**	**-.0008**	**.0194**
Stddev	.0001	.014	.0000	.0000	.0024	.0033	.0005
%RSD	.6789	1.105	1.546	.1079	.7328	389.5	2.368
#1	.0191	1.259	.0017	.0380	.3325	.0015	.0197
#2	.0193	1.239	.0016	.0380	.3359	-.0032	.0191

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**97673.**	**22732.**	**2965.9**	**6633.9**
Stddev	922.	106.	25.4	30.3
%RSD	.94371	.46665	.85478	.45740
#1	97021.	22807.	2947.9	6655.4
#2	98325.	22657.	2983.8	6612.5

Zoom In Zoom Out

Sample Name: jb98749-3 Acquired: 7/15/2015 19:33:08 Type: Unk
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Avg	**.1095**	**.0033**	**.0009**	**.0169**	**.1813**	**.0218**	**.3765**	**.0286**	**.0020**
Stddev	.0001	.0000	.0000	.0003	.0003	.0000	.0021	.0006	.0006
%RSD	.0530	.5749	5.359	1.759	.1812	.2062	.5481	2.237	29.02
#1	.1095	.0033	.0009	.0171	.1815	.0218	.3779	.0291	.0016
#2	.1095	.0033	.0009	.0167	.1811	.0217	.3750	.0282	.0024

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Avg	**.1970**	**.1130**	**.0797**	**.0017**	**.0235**	**-.0004**	**-.0016**	**39.50**	**2.593**
Stddev	.0015	.0028	.0008	.0001	.0014	.0003	.0004	.08	.010
%RSD	.7587	2.475	1.029	4.469	5.823	81.20	25.48	.1968	.3904
#1	.1980	.1150	.0791	.0017	.0244	-.0007	-.0013	39.45	2.601
#2	.1959	.1110	.0802	.0018	.0225	-.0002	-.0019	39.56	2.586

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Avg	**125.4**	**5.696**	**11.95**	**.0989**	**.0936**	**.0030**	**.0004**	**2.280**	**.0218**
Stddev	.1	.047	.00	.0115	.0018	.0003	.0005	.058	.0018
%RSD	.1106	.8319	.0308	11.59	1.919	10.13	115.2	2.544	8.342
#1	125.3	5.730	11.94	.1070	.0949	.0033	.0001	2.321	.0231
#2	125.5	5.663	11.95	.0908	.0924	.0028	.0007	2.239	.0205

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Avg	**.0259**	**.7060**	**.0032**	**.0315**	**.2274**	**-.0012**	**.0225**
Stddev	.0003	.0096	.0006	.0001	.0049	.0020	.0007
%RSD	1.185	1.353	19.80	.1851	2.137	159.9	2.953
#1	.0261	.7128	.0027	.0315	.2309	-.0026	.0230
#2	.0257	.6993	.0036	.0315	.2240	.0002	.0221

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Avg	**94920.**	**22117.**	**2884.7**	**6641.0**
Stddev	438.	44.	31.6	12.9
%RSD	.46122	.19973	1.0942	.19447
#1	94610.	22148.	2862.4	6631.9
#2	95229.	22086.	2907.1	6650.1

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 19:36:03 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.104**	**2.081**	**2.075**	**2.101**	**2.096**	**2.032**	**2.121**	**2.108**	**.2546**
Stddev	.006	.002	.003	.000	.014	.000	.011	.005	.0000
%RSD	.2866	.0707	.1535	.0158	.6882	.0114	.5103	.2495	.0085
#1	2.100	2.080	2.073	2.100	2.086	2.032	2.113	2.105	.2546
#2	2.109	2.082	2.077	2.101	2.106	2.032	2.128	2.112	.2546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.094**	**2.143**	**2.049**	**2.137**	**2.121**	**2.062**	**2.060**	**41.51**	**41.38**
Stddev	.007	.005	.007	.002	.004	.006	.006	.02	.08
%RSD	.3553	.2133	.3335	.0743	.1814	.2715	.3107	.0586	.1976
#1	2.089	2.140	2.044	2.136	2.118	2.058	2.055	41.49	41.44
#2	2.100	2.146	2.054	2.138	2.123	2.066	2.064	41.53	41.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.51**	**41.59**	**41.71**	**42.14**	**2.072**	**2.102**	**2.043**	**5.128**	**2.139**
Stddev	.00	.15	.04	.03	.008	.002	.002	.044	.003
%RSD	.0067	.3515	.1069	.0821	.3990	.0854	.0746	.8579	.1267
#1	41.51	41.70	41.68	42.12	2.066	2.101	2.042	5.097	2.137
#2	41.51	41.49	41.74	42.17	2.078	2.104	2.044	5.159	2.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 19:36:03 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.116**	**2.087**	**2.105**	**2.071**	**2.067**	**2.081**	**2.053**
Stddev	.005	.005	.005	.003	.017	.025	.004
%RSD	.2362	.2241	.2543	.1529	.8175	1.220	.2068
#1	2.112	2.084	2.101	2.068	2.055	2.063	2.050
#2	2.119	2.091	2.108	2.073	2.079	2.099	2.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**91135.**	**21317.**	**2772.5**	**6171.5**
Stddev	99.	36.	4.5	7.9
%RSD	.10830	.16857	.16400	.12830
#1	91205.	21292.	2775.7	6177.1
#2	91065.	21343.	2769.3	6165.9

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 19:38:43 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**.0000**	**.0000**	**-.0000**	**-.0001**	**.0002**	**.0000**	**.0004**	**.0003**
Stddev	.0000	.0001	.0002	.0000	.0004	.0001	.0001	.0001	.0004
%RSD	14.38	305.1	680.9	22.60	343.9	50.75	372.3	18.42	125.5
#1	.0003	.0001	.0001	-.0001	-.0004	.0003	.0001	.0005	.0000
#2	.0002	-.0000	-.0001	-.0000	.0001	.0001	-.0000	.0004	.0005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**-.0002**	**.0011**	**.0011**	**-.0008**	**-.0007**	**.0013**	**.0010**	**.0056**
Stddev	.0004	.0002	.0002	.0002	.0009	.0010	.0006	.0010	.0008
%RSD	270.8	89.39	17.60	15.31	108.4	138.0	44.78	94.50	14.55
#1	-.0001	-.0001	.0012	.0010	-.0002	-.0000	.0017	.0017	.0051
#2	.0004	-.0003	.0010	.0013	-.0015	-.0014	.0009	.0003	.0062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0023**	**.0058**	**.0309**	**.0144**	**.0024**	**.0015**	**-.0018**	**-.0007**	**.0006**
Stddev	.0021	.0144	.0131	.0035	.0002	.0002	.0013	.0006	.0006
%RSD	94.08	248.1	42.38	24.28	6.403	14.51	73.09	89.58	96.51
#1	.0038	-.0044	.0216	.0168	.0025	.0013	-.0028	-.0011	.0002
#2	.0008	.0159	.0401	.0119	.0023	.0017	-.0009	-.0003	.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 19:38:43 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0000**	F **.0012**	**.0012**	**.0006**	**.0039**	F **.0021**	**.0007**
Stddev	.0001	.0002	.0003	.0000	.0021	.0004	.0001
%RSD	11840.	16.12	28.15	4.088	53.73	19.54	17.17
#1	.0001	.0013	.0010	.0007	.0054	.0018	.0007
#2	-.0001	.0010	.0015	.0006	.0024	.0024	.0008
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.0010				.0020	
Low Limit		-.0010				-.0020	

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97746.**	**21763.**	**2949.1**	**6996.1**
Stddev	565.	1.	27.3	16.3
%RSD	.57816	.00631	.92659	.23285
#1	97347.	21764.	2968.4	7007.6
#2	98146.	21762.	2929.8	6984.5

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 19:41:42 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.2130**	**.0022**	**.0034**	**.0540**	**.0111**	**.0121**	**.0172**	**.0111**	**.0059**
Stddev	.0005	.0001	.0004	.0005	.0003	.0002	.0000	.0005	.0008
%RSD	.2399	3.397	11.09	.8902	2.424	1.794	.1139	4.575	13.27
#1	.2134	.0022	.0031	.0543	.0113	.0119	.0172	.0114	.0053
#2	.2126	.0021	.0036	.0537	.0109	.0123	.0173	.0107	.0064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0553**	**.0245**	**.0091**	**.0116**	**.0032**	**.0103**	**.0071**	**.2220**	**5.104**
Stddev	.0002	.0003	.0020	.0010	.0020	.0015	.0001	.0064	.006
%RSD	.4279	1.206	21.55	8.694	64.26	14.40	1.161	2.903	.1142
#1	.0555	.0247	.0105	.0109	.0017	.0114	.0070	.2174	5.108
#2	.0552	.0243	.0077	.0124	.0046	.0093	.0072	.2265	5.100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1048**	**5.150**	**5.198**	**5.220**	**.1065**	**.0220**	**.0528**	**.1979**	F **.0131**
Stddev	.0029	.025	.006	.023	.0016	.0000	.0023	.0006	.0002
%RSD	2.736	.4791	.1167	.4357	1.542	.0741	4.352	.2965	1.555
#1	.1068	5.168	5.202	5.236	.1077	.0221	.0544	.1983	.0132
#2	.1028	5.133	5.194	5.203	.1053	.0220	.0512	.1975	.0129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value									.0100
Range									30.00%

Zoom In Zoom Out

Sample Name: cri Acquired: 7/15/2015 19:41:42 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0108**	**.0114**	**.0569**	**.0110**	**.0619**	**.0222**	**.0240**
Stddev	.0001	.0009	.0012	.0002	.0040	.0013	.0005
%RSD	.9814	7.972	2.030	1.549	6.483	6.008	2.276
#1	.0109	.0120	.0561	.0111	.0647	.0231	.0237
#2	.0107	.0107	.0577	.0108	.0590	.0213	.0244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95598.**	**21491.**	**2861.7**	**6791.9**
Stddev	61.	22.	12.0	4.1
%RSD	.06370	.10442	.42048	.06045
#1	95641.	21475.	2853.2	6789.0
#2	95555.	21507.	2870.2	6794.8

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 19:44:40 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0045**	**.0011**	**.0009**	**.0035**	**.0021**	**.0024**	**.0034**	**.0045**
Stddev	.0001	.0000	.0001	.0002	.0006	.0002	.0002	.0002
%RSD	3.248	1.354	13.14	5.409	30.00	8.434	5.752	5.131
#1	.0046	.0011	.0010	.0033	.0026	.0026	.0033	.0047
#2	.0044	.0011	.0009	.0036	.0017	.0023	.0036	.0044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Ag3280	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.0026**	**.0024**	**.0126**	**.0035**	**.0023**	**.0018**	**.0059**	**.0029**
Stddev	.0007	.0001	.0003	.0008	.0006	.0005	.0013	.0018
%RSD	27.64	3.912	2.126	22.43	23.89	29.01	21.71	61.36
#1	.0021	.0023	.0128	.0029	.0020	.0021	.0068	.0042
#2	.0031	.0024	.0124	.0040	.0027	.0014	.0050	.0017
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.0020							
Range	30.00%							

Elem	Al3961	Ca3179	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.1098**	**1.032**	**.0012**	**.1070**	**2.066**	**1.047**	**.0123**	**.0001**
Stddev	.0016	.005	.0005	.0090	.011	.005	.0002	.0001
%RSD	1.415	.5182	40.75	8.449	.5183	.4950	1.669	58.64
#1	.1087	1.036	.0008	.1133	2.074	1.050	.0121	.0002
#2	.1109	1.028	.0015	.1006	2.058	1.043	.0124	.0001
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value								
Range								

Zoom In Zoom Out

Sample Name: crid Acquired: 7/15/2015 19:44:40 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Pd3404	Si2124	Sn1899	Sr4077	Ti3349	W_2079	Zr3391	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0012**	**-.0012**	**.0030**	**-.0001**	**.0009**	F **-.0003**	F **-.0001**	**.0029**
Stddev	.0018	.0008	.0002	.0000	.0000	.0003	.0003	.0031
%RSD	145.1	68.94	6.895	13.47	4.967	95.16	302.6	108.2
#1	.0000	-.0017	.0028	-.0001	.0009	-.0005	.0001	.0007
#2	-.0025	-.0006	.0031	-.0001	.0010	-.0001	-.0003	.0051
Check ?	None	None	None	None	None	Chk Fail	Chk Fail	Chk Pass
Value						.0040	.0040	
Range						-30.00%	-30.00%	

Elem	Bi2230	Li6707
Units	ppm	ppm
Avg	F **-.0001**	F **.0012**
Stddev	.0001	.0003
%RSD	162.9	28.45
#1	-.0002	.0009
#2	.0000	.0014
Check ?	Chk Fail	Chk Fail
Value	.0040	.0040
Range	-30.00%	-30.00%

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95835.**	**21481.**	**2845.9**	**6722.5**
Stddev	999.	113.	14.2	31.3
%RSD	1.0420	.52601	.49983	.46589
#1	96542.	21401.	2835.9	6700.3
#2	95129.	21561.	2856.0	6744.6

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 19:47:39 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0000**	**.0001**	**-.0004**	**.0003**	**.0011**	**.0000**	**.0001**	**.0011**
Stddev	.0001	.0000	.0003	.0002	.0002	.0002	.0000	.0001	.0001
%RSD	41.56	1809.	212.1	60.27	71.82	14.92	95.80	39.86	5.697
#1	.0004	-.0000	.0004	-.0002	.0002	.0009	.0000	.0001	.0010
#2	.0002	.0000	-.0001	-.0005	.0005	.0012	.0001	.0002	.0011
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0001**	**.0009**	**.0237**	**-.0020**	**.0217**	**.0253**	**.0241**	**.5610**	**2.235**
Stddev	.0000	.0003	.0004	.0003	.0001	.0023	.0029	.0089	.013
%RSD	30.68	29.61	1.616	16.08	.3461	9.017	11.89	1.590	.5901
#1	.0001	.0011	.0240	-.0023	.0218	.0269	.0261	.5547	2.244
#2	.0002	.0007	.0235	-.0018	.0217	.0237	.0221	.5673	2.225
Check ?	None	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5521**	**2.225**	**.0038**	**.0113**	**.0006**	**-.0001**	**.0009**	**-.0034**	**.0013**
Stddev	.0088	.009	.0070	.0068	.0005	.0000	.0006	.0007	.0002
%RSD	1.597	.3819	181.8	60.21	78.26	23.66	71.08	19.60	15.14
#1	.5583	2.219	-.0011	.0065	.0009	-.0001	.0014	-.0029	.0012
#2	.5458	2.231	.0088	.0161	.0003	-.0001	.0005	-.0038	.0015
Check ?	Chk Pass	None	None	None	None	None	None	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: cria Acquired: 7/15/2015 19:47:39 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0001**	**.0006**	**-.0005**	**.0003**	**.0052**	**-.0001**	**.0006**
Stddev	.0000	.0003	.0014	.0000	.0014	.0007	.0010
%RSD	62.21	52.12	287.7	2.421	26.58	495.4	175.1
#1	-.0000	.0004	.0005	.0003	.0061	.0004	-.0001
#2	-.0001	.0008	-.0014	.0003	.0042	-.0007	.0012
Check ?	None	None	None	None	None	None	None
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**95833.**	**20947.**	**2930.2**	**6901.5**
Stddev	217.	81.	109.7	43.1
%RSD	.22683	.38726	3.7436	.62469
#1	95679.	20890.	2852.6	6871.1
#2	95986.	21004.	3007.7	6932.0

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 19:50:38 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0008**	**-.0001**	**.0018**	**.0014**	**.0025**	**.0036**	**.0011**	**.0044**	**.0055**
Stddev	.0001	.0000	.0008	.0001	.0002	.0010	.0001	.0013	.0007
%RSD	11.73	42.71	44.15	10.66	9.167	27.21	9.303	29.70	13.23
#1	-.0007	-.0001	.0024	.0013	.0027	.0029	.0011	.0053	.0050
#2	-.0008	-.0001	.0013	.0015	.0024	.0043	.0012	.0035	.0060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.0043**	**.0008**	**-.0006**	**-.0007**	**.0000**	**-.0005**	**-.0015**	**544.5**	**392.5**
Stddev	.0009	.0022	.0011	.0065	.0072	.0009	.0001	10.7	4.7
%RSD	20.02	289.5	186.8	1000.	29810.	195.8	7.128	1.965	1.195
#1	-.0037	.0023	.0002	.0040	-.0050	-.0011	-.0014	536.9	389.2
#2	-.0049	-.0008	-.0014	-.0053	.0051	.0002	-.0016	552.0	395.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**189.9**	**524.7**	**.1865**	**-.0036**	**-.0070**	**.0012**	**.0033**	**.0109**	**-.0042**
Stddev	.5	1.2	.0237	.0054	.0006	.0005	.0021	.0001	.0003
%RSD	.2491	.2335	12.71	148.1	7.942	40.35	61.98	1.309	7.049
#1	189.5	523.8	.1698	-.0074	-.0066	.0016	.0019	.0110	-.0044
#2	190.2	525.5	.2033	.0002	-.0074	.0009	.0048	.0108	-.0040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In Zoom Out

Sample Name: icsa Acquired: 7/15/2015 19:50:38 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0052**	**.0030**	**.0108**	**.0074**	**.0095**	**.0091**	**.0256**
Stddev	.0001	.0001	.0022	.0001	.0074	.0015	.0011
%RSD	2.486	2.900	20.02	1.301	78.01	16.60	4.174
#1	.0053	.0029	.0093	.0073	.0148	.0081	.0264
#2	.0052	.0030	.0123	.0074	.0043	.0102	.0249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**81220.**	**20286.**	**2499.4**	**5266.1**
Stddev	362.	119.	57.2	48.9
%RSD	.44576	.58704	2.2868	.92888
#1	81476.	20370.	2539.8	5300.7
#2	80964.	20202.	2459.0	5231.5

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 7/15/2015 19:53:46 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5307**	**.5178**	**1.060**	**.5259**	**.5075**	**.5319**	**.5151**	**1.027**	**1.068**
Stddev	.0010	.0022	.008	.0042	.0034	.0038	.0047	.007	.008
%RSD	.1824	.4160	.7184	.7917	.6645	.7190	.9177	.6878	.7321
#1	.5314	.5193	1.065	.5288	.5051	.5292	.5117	1.032	1.062
#2	.5300	.5162	1.055	.5229	.5099	.5346	.5184	1.022	1.073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.5031**	**1.025**	**1.035**	**.9768**	**.9973**	**1.032**	**1.057**	**507.7**	**381.3**
Stddev	.0053	.009	.017	.0052	.0163	.009	.010	.9	1.9
%RSD	1.053	.8493	1.615	.5303	1.633	.8966	.9677	.1676	.4938
#1	.4994	1.031	1.046	.9805	1.009	1.038	1.065	508.3	380.0
#2	.5069	1.019	1.023	.9731	.9858	1.025	1.050	507.1	382.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**193.8**	**508.6**	**.1770**	**.0082**	**.0010**	**.4871**	**.5291**	**.0143**	**-.0051**
Stddev	.6	1.8	.0035	.0017	.0007	.0035	.0091	.0057	.0015
%RSD	.3239	.3549	1.966	20.34	68.60	.7284	1.728	40.15	29.64
#1	194.3	509.8	.1745	.0070	.0005	.4896	.5226	.0102	-.0040
#2	193.4	507.3	.1794	.0093	.0015	.4846	.5355	.0183	-.0062
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None
Value									
Range									

Zoom In Zoom Out

Sample Name: ICSAB Acquired: 7/15/2015 19:53:46 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0056**	**.0028**	**.5252**	**.4751**	**.5391**	**.5059**	**.5681**
Stddev	.0003	.0001	.0026	.0024	.0029	.0036	.0009
%RSD	4.700	5.276	.4956	.4980	.5352	.7053	.1578
#1	.0057	.0029	.5271	.4734	.5371	.5084	.5687
#2	.0054	.0027	.5234	.4767	.5411	.5034	.5675
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**84376.**	**20724.**	**2537.5**	**5385.2**
Stddev	544.	44.	8.1	12.0
%RSD	.64453	.21011	.32058	.22371
#1	84760.	20693.	2531.8	5376.7
#2	83991.	20755.	2543.3	5393.7

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 19:56:43 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.082**	**2.061**	**2.055**	**2.074**	**2.086**	**2.008**	**2.110**	**2.083**	**.2532**
Stddev	.001	.002	.003	.003	.006	.013	.004	.004	.0014
%RSD	.0648	.0985	.1398	.1278	.2957	.6315	.1966	.2103	.5547
#1	2.083	2.060	2.057	2.076	2.090	2.017	2.113	2.086	.2542
#2	2.081	2.063	2.053	2.072	2.082	1.999	2.107	2.080	.2522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.083**	**2.127**	**2.022**	**2.110**	**2.092**	**2.034**	**2.037**	**41.21**	**41.07**
Stddev	.009	.010	.005	.004	.001	.006	.006	.02	.10
%RSD	.4153	.4895	.2258	.1847	.0338	.3033	.2838	.0413	.2552
#1	2.089	2.134	2.019	2.113	2.092	2.030	2.033	41.19	41.00
#2	2.077	2.120	2.026	2.108	2.091	2.038	2.041	41.22	41.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.19**	**41.37**	**41.25**	**41.61**	**2.052**	**2.079**	**2.019**	**5.075**	**2.118**
Stddev	.08	.07	.01	.01	.000	.004	.009	.019	.003
%RSD	.1950	.1755	.0242	.0225	.0048	.1916	.4515	.3818	.1460
#1	41.13	41.32	41.24	41.62	2.052	2.082	2.026	5.061	2.120
#2	41.24	41.42	41.26	41.60	2.052	2.076	2.013	5.088	2.116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Zoom In Zoom Out

Sample Name: ccv Acquired: 7/15/2015 19:56:43 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.088**	**2.073**	**2.078**	**2.057**	**2.034**	**2.041**	**2.023**
Stddev	.001	.002	.001	.007	.000	.005	.002
%RSD	.0281	.0832	.0277	.3508	.0146	.2327	.1021
#1	2.088	2.074	2.078	2.062	2.034	2.038	2.025
#2	2.087	2.071	2.078	2.052	2.034	2.044	2.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**92047.**	**21406.**	**2809.1**	**6261.3**
Stddev	131.	62.	.7	2.4
%RSD	.14181	.28918	.02520	.03786
#1	91954.	21450.	2809.6	6259.7
#2	92139.	21362.	2808.6	6263.0

Zoom In Zoom Out

Sample Name: ccb Acquired: 7/15/2015 19:59:23 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ba4554	Be3130	Cd2288	Co2286	Cr2677	Cu3247	Mn2576	Ni2316	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0002**	**.0001**	**.0001**	**.0002**	**.0005**	**.0010**	**.0001**	**-.0000**	**.0001**
Stddev	.0000	.0000	.0003	.0001	.0001	.0000	.0000	.0007	.0003
%RSD	14.65	6.542	317.6	63.86	20.02	2.972	6.436	4841.	320.0
#1	.0002	.0001	-.0001	.0001	.0006	.0010	.0001	-.0005	-.0001
#2	.0002	.0001	.0003	.0003	.0004	.0010	.0001	.0005	.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	V_2924	Zn2062	As1890	Tl1908	Pb2203	Se1960	Sb2068	Al3961	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0003**	**-.0004**	**.0013**	**.0017**	**-.0001**	**.0020**	**.0011**	**.0138**	**.0055**
Stddev	.0003	.0001	.0010	.0005	.0016	.0042	.0012	.0019	.0010
%RSD	94.22	18.35	73.51	27.55	1219.	211.0	111.3	13.55	17.64
#1	.0001	-.0004	.0006	.0014	.0010	.0049	.0020	.0124	.0062
#2	.0005	-.0003	.0020	.0020	-.0013	-.0010	.0002	.0151	.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Fe2599	Mg2790	K_7664	Na5895	B_2089	Mo2020	Pd3404	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0046**	**.0077**	**.0006**	**.0264**	**.0014**	**.0017**	**.0003**	**.0001**	**.0008**
Stddev	.0007	.0065	.0214	.0025	.0010	.0003	.0004	.0001	.0009
%RSD	14.40	84.24	3500.	9.639	70.12	14.74	174.0	156.1	114.3
#1	.0041	.0031	.0157	.0246	.0007	.0019	-.0001	-.0000	.0002
#2	.0050	.0123	-.0145	.0282	.0021	.0016	.0006	.0001	.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Zoom In
Zoom Out

Sample Name: ccb Acquired: 7/15/2015 19:59:23 Type: QC
Method: Accutest 2(v109) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3349	W_2079	Zr3391	S_1820	Bi2230	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.0000**	F **.0011**	**.0011**	**.0008**	**.0019**	**.0014**	**.0014**
Stddev	.0000	.0001	.0003	.0002	.0021	.0023	.0001
%RSD	36.93	8.097	24.79	32.25	110.3	165.0	10.45
#1	.0001	.0010	.0013	.0009	.0034	.0030	.0013
#2	.0000	.0012	.0009	.0006	.0004	-.0002	.0015
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.0010					
Low Limit		-.0010					

Int. Std.	Y_3600	Y_3710	Y_2243	In2306
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**97869.**	**21775.**	**2925.7**	**7032.4**
Stddev	247.	181.	2.3	.4
%RSD	.25205	.83118	.07957	.00590
#1	97695.	21903.	2924.0	7032.1
#2	98044.	21647.	2927.3	7032.7

NOTE: The remaining raw data for this batch is not relevant to this job. As such it has been omitted.

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
Ba 455.403 { 74}	☒	3	Mg	0.000001	0.000000	No
			Al	0.000002	0.000000	No
			Zr	0.000727	0.000000	No
Be 313.042 {108}	☒	12	V	0.000365	0.000000	No
			Mo	-0.000017	0.000000	No
			Ti	-0.000582	0.000000	No
			Mn	0.000022	0.000000	No
			Ba	-0.000000	0.000000	No
			Co	-0.000004	0.000000	No
			Ni	0.000000	0.000000	No
			Ca	-0.000000	0.000000	No
			Cu	0.000014	0.000000	No
			Zn	-0.000010	0.000000	No
			Fe	0.000000	0.000000	No
			Cr	0.000008	0.000000	No
Cd 228.802 {448}	☒	14	As	0.013728	0.000000	No
			Ni	-0.000198	0.000000	No
			Fe	-0.000002	0.000000	No
			V	0.000061	0.000000	No
			Ba	0.000046	0.000000	No
			Co	-0.002524	0.000000	No
			Sr	-0.000006	0.000000	No
			Ca	-0.000000	0.000000	No
			Mn	0.000013	0.000000	No
			Cr	0.000042	0.000000	No
			Si	-0.000005	0.000000	No
			Cu	-0.000276	0.000000	No
			W	-0.000977	0.000000	No
			Al	-0.000002	0.000000	No
Co 228.616 {448}	☒	10	Fe	-0.000005	0.000000	No
			Cr	-0.000049	0.000000	No
			Mo	-0.001215	0.000000	No
			Ni	0.000256	0.000000	No
			Ti	0.001860	0.000000	No
			Ba	-0.000009	0.000000	No
			W	0.000160	0.000000	No
			Cd	0.000012	0.000000	No
			Si	0.000000	0.000000	No
			Ca	-0.000003	0.000000	No
Cr 267.716 {126}	☒	14	Mn	0.000202	0.000000	No
			V	0.000000	0.000000	No
			Mo	-0.000027	0.000000	No
			Fe	-0.000012	0.000000	No
			W	0.000000	0.000000	No
			Cd	-0.000050	0.000000	No
			Al	-0.000002	0.000000	No
			Ca	0.000002	0.000000	No
			Mg	0.000003	0.000000	No
			Ti	-0.000300	0.000000	No
			Sn	0.000000	0.000000	No
			Ba	0.000013	0.000000	No
			Cu	0.000100	0.000000	No
			Sr	-0.000100	0.000000	No
Cu 324.754 {104}2	☒	21	Cr	-0.000289	0.000000	No
			V	-0.000353	0.000000	No
			Mo	0.000518	0.000000	No
			Ti	0.000140	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Fe	-0.000095	0.000000	No
				Al	0.000005	0.000000	No
				Sn	-0.000497	0.000000	No
				Zn	-0.000004	0.000000	No
				Co	-0.000858	0.000000	No
				Zr	-0.000330	0.000000	No
				Si	-0.000220	0.000000	No
				Mn	-0.000080	0.000000	No
				Se	0.000050	0.000000	No
				Ba	0.000008	0.000000	No
				Ag	-0.000077	0.000000	No
				Pb	0.000002	0.000000	No
				Sb	0.000024	0.000000	No
				Mg	0.000000	0.000000	No
				Ca	-0.000000	0.000000	No
				W	0.000000	0.000000	No
				K	0.000000	0.000000	No
	Mn 257.610 {131}	☒	8	Fe	-0.000020	0.000000	No
				Si	0.000050	0.000000	No
				Ba	0.000012	0.000000	No
				As	0.000001	0.000000	No
				Ca	-0.000000	0.000000	No
				Al	-0.000001	0.000000	No
				Ni	0.000028	0.000000	No
				Mo	-0.000100	0.000000	No
	Ni 231.604 {446}	☒	17	Fe	0.000020	0.000000	No
				Zn	-0.000021	0.000000	No
				Be	-0.000112	0.000000	No
				Co	-0.000278	0.000000	No
				Tl	0.000209	0.000000	No
				Mg	0.000000	0.000000	No
				Mo	0.000180	0.000000	No
				V	-0.000032	0.000000	No
				Cu	0.000100	0.000000	No
				Se	0.000006	0.000000	No
				Al	-0.000007	0.000000	No
				Cr	-0.000130	0.000000	No
				Si	-0.000030	0.000000	No
				Sn	0.000079	0.000000	No
				Ba	0.000000	0.000000	No
				Ca	-0.000003	0.000000	No
				W	-0.000170	0.000000	No
	Ag 328.068 {103}	☒	15	Mn	-0.000101	0.000000	No
				Mo	0.000020	0.000000	No
				Ti	-0.000250	0.000000	No
				Fe	-0.000358	0.000000	No
				V	-0.000191	0.000000	No
				Zn	-0.000128	0.000000	No
				Ca	-0.000005	0.000000	No
				Al	-0.000007	0.000000	No
				Sr	-0.000008	0.000000	No
				Mg	-0.000003	0.000000	No
				Ba	-0.000031	0.000000	No
				Cr	0.000024	0.000000	No
				Si	-0.000200	0.000000	No
				Zr	0.005700	0.000000	No
				W	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
V 292.402 {115}	☒	6	Ti	0.000676	0.000000	No
			Mo	-0.010500	0.000000	No
			Fe	0.000026	0.000000	No
			Sr	-0.000100	0.000000	No
			Cr	-0.003950	0.000000	No
			Mn	-0.000410	0.000000	No
Zn 206.200 {464}	☒	17	Cr	-0.000874	0.000000	No
			Mo	-0.000800	0.000000	No
			Fe	0.000020	0.000000	No
			Al	0.000005	0.000000	No
			Si	-0.000035	0.000000	No
			Ba	-0.000060	0.000000	No
			Na	0.000003	0.000000	No
			Ca	0.000003	0.000000	No
			Sr	-0.000033	0.000000	No
			Sn	0.000069	0.000000	No
			Cu	0.000056	0.000000	No
			As	-0.000050	0.000000	No
			Be	0.000071	0.000000	No
			Pd	0.000024	0.000000	No
			Bi	-0.004400	0.000000	No
			W	0.000046	0.000000	No
			Ti	0.000300	0.000000	No
As 189.042 {478}	☒	24	Al	0.000009	0.000000	No
			Fe	-0.000021	0.000000	No
			Ca	0.000000	0.000000	No
			Mn	0.000020	0.000000	No
			Mo	0.002880	0.000000	No
			Cr	0.000980	0.000000	No
			V	0.000020	0.000000	No
			Co	-0.000905	0.000000	No
			Ba	0.000001	0.000000	No
			W	0.000000	0.000000	No
			Sn	-0.000037	0.000000	No
			Cd	-0.000194	0.000000	No
			Tl	0.000085	0.000000	No
			Be	0.000173	0.000000	No
			Mg	0.000004	0.000000	No
			Si	-0.000030	0.000000	No
			Zn	-0.000080	0.000000	No
			Sr	0.000010	0.000000	No
			Pd	0.020820	0.000000	No
			Zr	0.005170	0.000000	No
			Ti	0.000050	0.000000	No
			S	-0.000004	0.000000	No
			Cu	0.000200	0.000000	No
			K	0.000000	0.000000	No
Tl 190.856 {477}	☒	26	Cr	0.000090	0.000000	No
			Mo	-0.000290	0.000000	No
			Al	0.000003	0.000000	No
			Fe	-0.000040	0.000000	No
			V	-0.012430	0.000000	No
			Mn	0.000670	0.000000	No
			Si	-0.000065	0.000000	No
			Ca	-0.000007	0.000000	No
			Ti	-0.000930	0.000000	No
			Mg	-0.000001	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Co	0.002981	0.000000	No
				Sr	0.001033	0.000000	No
				B	0.000000	0.000000	No
				Ba	-0.000120	0.000000	No
				Zn	-0.000004	0.000000	No
				As	0.000100	0.000000	No
				Ni	0.000051	0.000000	No
				Cu	0.000016	0.000000	No
				Zr	0.000067	0.000000	No
				Pd	0.000019	0.000000	No
				Pb	0.000135	0.000000	No
				S	0.000020	0.000000	No
				W	0.000000	0.000000	No
				Na	0.000000	0.000000	No
				K	0.000000	0.000000	No
				Sn	0.000031	0.000000	No
	Pb 220.353 {453}	☒	23	Al	-0.000139	0.000000	No
				Fe	0.000030	0.000000	No
				Ca	-0.000004	0.000000	No
				Mn	0.000150	0.000000	No
				Zn	-0.000036	0.000000	No
				Mo	-0.001640	0.000000	No
				Cu	0.000150	0.000000	No
				V	-0.000073	0.000000	No
				Co	0.000108	0.000000	No
				Ti	0.000260	0.000000	No
				Si	0.000070	0.000000	No
				Ba	-0.000012	0.000000	No
				Sb	-0.000046	0.000000	No
				Sr	0.000100	0.000000	No
				W	-0.014000	0.000000	No
				Mg	0.000002	0.000000	No
				Cd	-0.000018	0.000000	No
				Cr	-0.000180	0.000000	No
				Pd	0.000560	0.000000	No
				Zr	-0.012900	0.000000	No
				Ni	0.000377	0.000000	No
				S	0.000016	0.000000	No
				Se	-0.000064	0.000000	No
	Se 196.090 {472}	☒	24	Al	0.000025	0.000000	No
				Ca	0.000003	0.000000	No
				Mn	0.000820	0.000000	No
				Mo	0.000190	0.000000	No
				Fe	-0.000200	0.000000	No
				Co	-0.000535	0.000000	No
				V	0.000620	0.000000	No
				Sr	-0.000258	0.000000	No
				Cu	-0.000350	0.000000	No
				W	0.012000	0.000000	No
				Si	-0.000126	0.000000	No
				Tl	0.000180	0.000000	No
				Be	-0.000143	0.000000	No
				Zn	-0.000250	0.000000	No
				B	-0.000141	0.000000	No
				Pd	-0.001036	0.000000	No
				Ti	-0.000100	0.000000	No
				Cd	0.000090	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Zr	-0.000198	0.000000	No
				Ba	-0.000120	0.000000	No
				Mg	0.000006	0.000000	No
				Pb	0.000000	0.000000	No
				Cr	-0.000100	0.000000	No
				S	-0.000010	0.000000	No
	Sb 206.833 {463}	☒	14	Fe	0.000015	0.000000	No
				Al	0.000006	0.000000	No
				Ca	-0.000008	0.000000	No
				Ni	-0.000702	0.000000	No
				Cr	0.015480	0.000000	No
				V	-0.002110	0.000000	No
				Zn	-0.000222	0.000000	No
				Mo	0.000160	0.000000	No
				Ti	0.000662	0.000000	No
				Sn	-0.013697	0.000000	No
				W	0.001000	0.000000	No
				Mg	-0.000001	0.000000	No
				Zr	-0.000260	0.000000	No
				Sr	0.000151	0.000000	No
	Al 396.152 { 85}	☒	5	Si	-0.002348	0.000000	No
				Ca	-0.000172	0.000000	No
				Mo	0.032700	0.000000	No
				Zr	-0.000018	0.000000	No
				Ti	-0.000017	0.000000	No
	Ca 317.933 {106}	☒	16	Fe	0.000130	0.000000	No
				Ti	0.000000	0.000000	No
				W	0.003960	0.000000	No
				Tl	0.004950	0.000000	No
				Be	0.001840	0.000000	No
				Ba	0.003500	0.000000	No
				Cu	-0.001800	0.000000	No
				Cd	0.003700	0.000000	No
				Ni	0.001513	0.000000	No
				Pd	-0.000871	0.000000	No
				B	-0.000210	0.000000	No
				Se	0.002000	0.000000	No
				Co	0.000540	0.000000	No
				Cr	0.000640	0.000000	No
				Al	0.000026	0.000000	No
				As	0.000000	0.000000	No
	Fe 259.940 {130}	☒	14	Co	0.000004	0.000000	No
				Si	0.001320	0.000000	No
				Tl	-0.002580	0.000000	No
				Se	-0.000050	0.000000	No
				Cr	-0.000566	0.000000	No
				Mn	-0.000025	0.000000	No
				V	-0.000064	0.000000	No
				Cu	0.000953	0.000000	No
				K	-0.000200	0.000000	No
				Zn	0.000046	0.000000	No
				Ti	-0.000631	0.000000	No
				Ca	0.000020	0.000000	No
				Ba	0.001000	0.000000	No
				Pd	-0.000714	0.000000	No
	Mg 279.079 {121}	☒	3	Mo	-0.025000	0.000000	No
				W	0.000000	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Mn	0.000000	0.000000	No
K 766.490 { 44}	☒	13	Fe	-0.000340	0.000000	No
			Al	-0.000123	0.000000	No
			Ca	-0.000071	0.000000	No
			Mn	0.001430	0.000000	No
			Si	-0.003000	0.000000	No
			V	-0.002000	0.000000	No
			Pd	0.004000	0.000000	No
			Sn	-0.004700	0.000000	No
			Na	0.000300	0.000000	No
			Ba	0.000000	0.000000	No
			Mo	-0.000850	0.000000	No
			Cu	-0.010000	0.000000	No
			Ni	0.000000	0.000000	No
Na 589.592 { 57}	☒	5	K	0.005000	0.000000	No
			Ba	0.000900	0.000000	No
			Ca	0.000055	0.000000	No
			Al	0.000040	0.000000	No
			V	-0.005000	0.000000	No
B 208.959 {462}	☒	1	Mo	0.031700	0.000000	No
Mo 202.030 {467}	☒	6	Co	0.000000	0.000000	No
			Al	0.000000	0.000000	No
			Fe	-0.000010	0.000000	No
			Mg	-0.000001	0.000000	No
			Ca	0.000003	0.000000	No
			W	-0.000376	0.000000	No
Pd 340.458 { 99}	☒	10	Ti	-0.001014	0.000000	No
			V	0.000262	0.000000	No
			Sn	-0.000006	0.000000	No
			Fe	-0.000197	0.000000	No
			Mo	-0.000220	0.000000	No
			Zr	0.006150	0.000000	No
			Co	-0.001930	0.000000	No
			Ca	-0.000051	0.000000	No
			S	-0.000022	0.000000	No
			Si	0.000160	0.000000	No
Si 212.412 {459}	☒	14	Sr	0.000366	0.000000	No
			Ni	0.000106	0.000000	No
			Mo	0.013500	0.000000	No
			V	0.000600	0.000000	No
			Ti	0.003500	0.000000	No
			Al	-0.000016	0.000000	No
			Cd	0.001043	0.000000	No
			Ba	0.000170	0.000000	No
			Fe	0.000000	0.000000	No
			Sn	0.003217	0.000000	No
			Zn	0.000385	0.000000	No
			As	-0.000560	0.000000	No
			Ca	-0.000005	0.000000	No
			Pb	0.000471	0.000000	No
Sn 189.989 {478}	☒	6	Ti	-0.002260	0.000000	No
			Mo	0.000011	0.000000	No
			Fe	0.000018	0.000000	No
			Mn	0.000060	0.000000	No
			Si	0.000090	0.000000	No
			Pd	0.000000	0.000000	No
Sr 407.771 { 83}	☒	2	Fe	-0.000025	0.000000	No

Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
			Ca	0.000071	0.000000	No
Ti 334.904 {101}	☒	4	Cr	0.000189	0.000000	No
			Mo	0.000870	0.000000	No
			Si	0.000035	0.000000	No
			Ca	0.000005	0.000000	No
Y 360.073 { 94}*	☒	None				
Y 371.030 { 91}*	☒	None				
Y 224.306 {451}*	☒	None				
In 230.606 {446}*	☒	None				
W 207.911 {462}	☒	26	Al	0.000002	0.000000	No
			Si	-0.000900	0.000000	No
			Ca	0.000000	0.000000	No
			Fe	-0.000007	0.000000	No
			As	-0.000200	0.000000	No
			Mg	-0.000006	0.000000	No
			Mn	-0.000110	0.000000	No
			Mo	-0.000300	0.000000	No
			Ti	0.000080	0.000000	No
			Sr	-0.000850	0.000000	No
			V	-0.000140	0.000000	No
			Cd	-0.000650	0.000000	No
			Cr	-0.000390	0.000000	No
			Zn	0.008800	0.000000	No
			Pd	0.000100	0.000000	No
			Sn	0.000078	0.000000	No
			Zr	-0.002570	0.000000	No
			B	-0.001000	0.000000	No
			Sb	-0.003000	0.000000	No
			Co	0.000041	0.000000	No
			Ni	-0.000263	0.000000	No
			Be	-0.000130	0.000000	No
			Se	-0.000080	0.000000	No
			Cu	-0.000118	0.000000	No
			Ba	-0.000090	0.000000	No
			Tl	-0.000110	0.000000	No
Zr 339.198 { 99}	☒	6	Mo	0.000250	0.000000	No
			Ti	0.000090	0.000000	No
			Fe	-0.000060	0.000000	No
			Si	0.000177	0.000000	No
			S	-0.000001	0.000000	No
			Pd	0.000000	0.000000	No
S 182.034 {485}	☒	8	Ca	0.000115	0.000000	No
			Mo	-0.004486	0.000000	No
			Al	-0.000005	0.000000	No
			Fe	0.000007	0.000000	No
			Mn	0.002300	0.000000	No
			W	-0.031400	0.000000	No
			Zn	-0.001538	0.000000	No
			Pd	0.000233	0.000000	No
Bi 223.061 {451}	☒	9	V	-0.000680	0.000000	No
			Co	-0.002200	0.000000	No
			Ca	-0.000038	0.000000	No
			Mg	-0.000002	0.000000	No
			W	-0.002000	0.000000	No
			Cu	-0.000858	0.000000	No
			Fe	0.000065	0.000000	No
			Cr	0.001500	0.000000	No

	Element, Wavelength and Order	Use?	# IECs	IEC	k1	k2	Calc-in-fit?
				Ti	-0.002600	0.000000	No
	Li 670.784 { 50}	☒	None				

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)
	Ba 455.403 { 74}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.004535	1.747668	0.000000	1.000000
	Be 313.042 {108}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000269	1.428510	0.000000	1.000000
	Cd 228.802 {448}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000007	0.778417	0.000000	1.000000
	Co 228.616 {448}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000185	0.378370	0.000000	1.000000
	Cr 267.716 {126}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000032	0.064827	0.000000	1.000000
	Cu 324.754 {104}2	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.001648	0.142300	0.000000	1.000000
	Mn 257.610 {131}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000029	0.394359	0.000000	1.000000
	Ni 231.604 {446}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000309	0.266221	0.000000	1.000000
	Ag 328.068 {103}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000030	0.073971	0.000000	1.000000
	V 292.402 {115}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000083	0.085613	0.000000	1.000000
	Zn 206.200 {464}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000546	0.892171	0.000000	1.000000
	As 189.042 {478}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000127	0.143740	0.000000	1.000000
	Tl 190.856 {477}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000145	0.057348	0.000000	1.000000
	Pb 220.353 {453}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000140	0.111829	0.000000	1.000000
	Se 196.090 {472}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000674	0.081263	0.000000	1.000000
	Sb 206.833 {463}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000003	0.174304	0.000000	1.000000
	Al 396.152 { 85}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000329	0.028024	0.000000	1.000000
	Ca 317.933 {106}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.005115	0.039214	0.000000	1.000000
	Fe 259.940 {130}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000066	0.032161	0.000000	1.000000
	Mg 279.079 {121}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000028	0.004247	0.000000	1.000000
	K 766.490 { 44}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.001620	0.031380	0.000000	1.000000
	Na 589.592 { 57}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000535	0.094222	0.000000	1.000000
	B 208.959 {462}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000102	0.203868	0.000000	1.000000
	Mo 202.030 {467}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000809	0.804663	0.000000	1.000000
	Pd 340.458 { 99}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000040	0.034573	0.000000	1.000000
	Si 212.412 {459}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.004338	0.219846	0.000000	1.000000
	Sn 189.989 {478}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000238	0.202771	0.000000	1.000000
	Sr 407.771 { 83}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000616	2.936622	0.000000	1.000000
	Ti 334.904 {101}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000139	0.094494	0.000000	1.000000
	Y 360.073 { 94}*	7/16/2015 9:14:05	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 371.030 { 91}*	7/16/2015 9:14:05	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	Y 224.306 {451}*	7/16/2015 9:14:05	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	In 230.606 {446}*	7/16/2015 9:14:05	12/23/2009 10:44:16	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000
	W 207.911 {462}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.001913	0.339338	0.000000	1.000000
	Zr 339.198 { 99}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.000246	0.219504	0.000000	1.000000
	S 182.034 {485}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000109	0.067980	0.000000	1.000000
	Bi 223.061 {451}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	-0.001485	0.204098	0.000000	1.000000
	Li 670.784 { 50}	7/16/2015 9:14:05	7/15/2015 15:13:48	Linear	1/Conc	0.000956	0.686744	0.000000	1.000000

	Element, Wavelength and Order	Correlation	Std Error of Est	Predicted MDL	Predicted MQL	Status	Reslope		QC Norm	
							Slope	Y-int	Slope factor	Offset
	Ba 455.403 { 74}	1.000000	0.000000	0.000177	0.000590	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	1.000000	0.000000	0.000079	0.000262	OK.	1.000000	0.000000	1	0
	Cd 228.802 {448}	1.000000	0.000000	0.000354	0.001179	OK.	1.000000	0.000000	1	0
	Co 228.616 {448}	1.000000	0.000000	0.000474	0.001581	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	1.000000	0.000000	0.000666	0.002218	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}2	1.000000	0.000000	0.000678	0.002260	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	1.000000	0.000000	0.000106	0.000353	OK.	1.000000	0.000000	1	0
	Ni 231.604 {446}	1.000000	0.000000	0.000580	0.001932	OK.	1.000000	0.000000	1	0
	Ag 328.068 {103}	1.000000	0.000000	0.001083	0.003610	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	1.000000	0.000000	0.000648	0.002160	OK.	1.000000	0.000000	1	0
	Zn 206.200 {464}	1.000000	0.000000	0.000296	0.000986	OK.	1.000000	0.000000	1	0
	As 189.042 {478}	1.000000	0.000000	0.001716	0.005720	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	1.000000	0.000000	0.001847	0.006158	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	1.000000	0.000000	0.001804	0.006012	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	1.000000	0.000000	0.003464	0.011546	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	1.000000	0.000000	0.001981	0.006605	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	1.000000	0.000000	0.009504	0.031681	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	1.000000	0.000000	0.003175	0.010582	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	1.000000	0.000000	0.002215	0.007384	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	1.000000	0.000000	0.020591	0.068635	OK.	1.000000	0.000000	1	0
	K 766.490 { 44}	1.000000	0.000000	0.022772	0.075908	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	1.000000	0.000000	0.006788	0.022626	OK.	1.000000	0.000000	1	0
	B 208.959 {462}	1.000000	0.000000	0.001167	0.003890	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	1.000000	0.000000	0.000382	0.001273	OK.	1.000000	0.000000	1	0
	Pd 340.458 { 99}	1.000000	0.000000	0.002259	0.007530	OK.	1.000000	0.000000	1	0
	Si 212.412 {459}	1.000000	0.000000	0.001506	0.005018	OK.	1.000000	0.000000	1	0
	Sn 189.989 {478}	1.000000	0.000000	0.001096	0.003655	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	1.000000	0.000000	0.000078	0.000261	OK.	1.000000	0.000000	1	0
	Ti 334.904 {101}	1.000000	0.000000	0.000812	0.002706	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 371.030 { 91}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	Y 224.306 {451}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	In 230.606 {446}*	0.000000	0.000000	-1.000000	-1.000000	Warnin	1.000000	0.000000	1	0
	W 207.911 {462}	1.000000	0.000000	0.001709	0.005697	OK.	1.000000	0.000000	1	0
	Zr 339.198 { 99}	1.000000	0.000000	0.000364	0.001214	OK.	1.000000	0.000000	1	0
	S 182.034 {485}	1.000000	0.000000	0.003654	0.012180	OK.	1.000000	0.000000	1	0
	Bi 223.061 {451}	1.000000	0.000000	0.002100	0.006999	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	1.000000	0.000000	0.001042	0.003474	OK.	1.000000	0.000000	1	0

ACCUTEST LABORATORIES

Accutest Aqueous Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP87627	7/13/2015	14:40	7/13/2015	20:00	JB98772-1	

Temperature

		Block ID1	Therm. ID#	Temperature	Correction	Corrected Temp
1	Start	7	2107231	97	-2	95
1	End	7	2107231	95	-2	93
2	Start					
2	End					

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3010A	Digestion Block		M54	1501179	

Sample ID	Bottle Number	Pres (Y/N)	Initial Sample Volume	Final Volume in ML	Reagent Groups Added	Spike Groups Added	Comments
MP87627-MB1	N/A	N	50	50	AB		
MP87627-B1	N/A	N	50	50	AB	ABC	
MP87627-S1	3	Y	50	50	AB	ABC	
MP87627-S2	3	Y	50	50	AB	ABC	
MP87627-SD1	3	Y	50	50	AB		
JB98589-1	1	Y	50	50	AB		
JB98589-1F	2	Y	50	50	AB		
JB98589-2	1	Y	50	50	AB		
JB98589-2F	2	Y	50	50	AB		
JB98589-3	1	Y	50	50	AB		
JB98589-3F	2	Y	50	50	AB		
JB98589-4	1	Y	50	50	AB		
JB98589-4F	2	Y	50	50	AB		
JB98589-5	1	Y	50	50	AB		
JB98589-5F	2	Y	50	50	AB		
JB98589-6	1	Y	50	50	AB		
JB98589-6F	2	Y	50	50	AB		
JB98699-6A	1	Y	50	50	AB		
JB98727-1A	3	Y	50	50	AB		
JB98772-1	3	Y	50	50	AB		
JB98772-2	3	Y	50	50	AB		
JB98811-1	1	Y	50	50	AB		
JB98811-13	1	Y	50	50	AB		
JB98907-3	1	Y	50	50	AB		

Reagents Groups

Group	Description	MLs Used
A	CON HNO3	3
B	1:1 HCL	5
C		
D		
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	ACCU13	0.5
B	ACCU14	0.5
C	MINRALS	0.25
D		
E		
F		
G		
H		

Comments:

Analyst DEVALP **Approved by** RAKESHP **Approved on** 7/13/2015

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST LABORATORIES

Metals Digestion Reagents Information Log

Digestion Batch ID: MP 87627 **Date:** 7/13/15

Matrix: ALL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - (ACC-13)	1/7/16	MP-013-770 -ACC-13
Spiking Solution - (ACC-14)	1/7/18	MP-013-771 -ACC-14
(5000 mg/l Metals Mix) Spiking Solution - Min. Spike	6/02/18	Lot #: 060215 Mfg. Absolute Grade
Spiking Solution - Other Cal-16020	11/26/16	G2-MEB-503047
Spiking Solution - Other Se20ppm	8/25/15	MA-15-213-08
Spiking Solution - Other Mix 200ppm	10/30/15	MA-15-213-53
Nitric Acid	7/9/17	Lot #: 1115030 Mfg. Fisher Scientific
Nitric Acid (1:1)	1/7/16	MP-013-20-356 -HNO3 (1:1)
Hydrochloric Acid	7/9/17	Lot #: 4114121 Mfg. Fisher Scientific
Hydrochloric Acid (1:1)	1/3/16	MP-013-20/355 -HCl (1:1)
Hydrogen Peroxide	7/17	Lot #: 150752 Mfg. Fisher Scientific
Soil Lab Control/Soil LC	5/21/16	Lot #: D083-540 Mfg. ERA
Teflon Chips(For Soil MB and Blank Spike)	N/A	Lot#: N668-5003 Mfg. Saint Gobain
Digestion Tubes	N/A	Lot #: 1501179 Mfg. Env. Express
pH Paper	1/15/17	Lot #: 200814 Mfg. Hydrion
Filter paper	N/A	Lot #: 9630020 Mfg. Fisher Scientific
Spiking Solution ODD	11/22/15	MA-15-213-84

Form: AA014-04
Rev. Date: 12/30/14

Post-Spike Information

AQ

Batch: MP87627 QC Sample: JB98772-1

Element	Sample Conc. (mg/L)	mL used	Spiking Soln. Conc. (mg/L)	Final Vol. (mL)	Spiking Soln. Exp. Date	Vendor	Lot No.
Mn		0.5		10mL	10/22/15	in house	MA-15-213-81
K		0.1	10000		Inorganic	1/6/17	G2-K03042
Na		0.1	10000		Inorganic	4/8/16	G2-Na03115
Ca		0.1	10000		inorganic	12/1/15	G2-Ca04055
Mg		0.1	10000		inorganic	1/1/16	G2-Mg03120

Total Volume:

ACCUTEST LABORATORIES

Solids/Soil Metals Digestion Form

Batch Information

Batch ID	Start Date	Start Time	End Date	End time	QC Samp 1	QC Samp 2
MP87667	7/14/2015	14:15	7/14/2015	18:40	JB98699-2A	

Temperature

		Block ID	Therm. ID#	Balance ID	Temperature	Correction	Corrected Temp	
1	Start	4	1109094	B-26	92	-2	90	
1	End	4	1109094	NA	92	-2	90	
2	Start							
2	End			NA				

Methods and Equipment

	Dig. Method	Heating Method		Auto Pipette #	Digestion Tube Lot #	
	SW846 3050B	Digestion Block		M54	1501179	

Sample ID	Bottle ID	Final Volume (ML)	Wet Weight (G)	Reagent Groups Added	Spike Groups Added	Comments
MP87667-MB1	N/A	100	0.99	ABCD		
MP87667-B1	N/A	100	0.99	ABCD	ABC	
MP87667-S1	2	100	3.10	ABCD	ABC	
MP87667-S2	2	100	3.13	ABCD	ABC	
MP87667-SD1	2	100	3.13	ABCD		
JB98616-21	1	100	1.67	ABCD		
JB98616-22	1	100	0.99	ABCD		
JB98616-23	1	100	0.97	ABCD		
JB98616-24	1	100	0.99	ABCD		
JB98616-25	1	100	2.62	ABCD		
JB98616-26	1	100	1.34	ABCD		
JB98616-27	1	100	1.40	ABCD		
JB98616-28	1	100	1.02	ABCD		
JB98616-29	1	100	1.00	ABCD		
JB98616-30	1	100	1.02	ABCD		
JB98699-1A	1	100	1.75	ABCD		
JB98699-2A	2	100	3.13	ABCD		
JB98699-3A	1	100	4.04	ABCD		
JB98699-4A	1	100	2.48	ABCD		
JB98699-5A	1	100	3.13	ABCD		
JB99010-1	2	100	1.04	ABCD		
JB99011-1	1	100	0.99	ABCD		
JB99011-3	1	100	1.02	ABCD		

Reagents Groups

Group	Description	MLs Used
A	1:1 HNO3	10
B	CON HNO3	5
C	30% H2O2	5
D	CON HCL	10
E		
F		
G		
H		

Spike Groups

Group	Description	MLs Used
A	ACCU13	1
B	ACCU14	1
C	MINRALS	0.5
D		
E		
F		
G		
H		

Comments:

Analyst MICHAELO **Approved by** RAKESHP **Approved on** 7/14/2015

Note: Reagent traceability for batch Start Date can be seen on the reagent traceability page for this batch.
Serial Dilution samples shown for QC purposes only.
Acceptable Temperature range is 90-95 degrees C unless otherwise noted

ACCUTEST LABORATORIES

Metals Digestion Reagents Information Log

Digestion Batch ID: MP 87667 **Date:** 7/14/15

Matrix: ALL

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - (ACC-13)	1/7/16	MP-013-770 -ACC-13
Spiking Solution - (ACC-14)	1/7/18	MP-013-771 -ACC-14
(5000 mg/l Metals Mix) Spiking Solution - Min. Spike	6/02/18	Lot #: 060215 Mfg. Absolute Grade
Spiking Solution - Other Cal-16020	11/26/16	G2-MEB-503047
Spiking Solution - Other Se20ppm	8/25/15	MA-15-213-08
Spiking Solution - Other Min 200ppm	10/30/15	MA-15-213-53
Nitric Acid	7/9/17	Lot #: 1115030 Mfg. Fisher Scientific
Nitric Acid (1:1)	1/7/16	MP-013-20-356 -HNO3 (1:1)
Hydrochloric Acid	7/9/17	Lot #: 4114121 Mfg. Fisher Scientific
Hydrochloric Acid (1:1)	1/3/16	MP-013-20/355 -HCl (1:1)
Hydrogen Peroxide	7/17	Lot #: 150752 Mfg. Fisher Scientific
Soil Lab Control/Soil LC	5/21/16	Lot #: D083-540 Mfg. ERA
Teflon Chips(For Soil MB and Blank Spike)	N/A	Lot #: N668-5708 Mfg. Saint Gobain
Digestion Tubes	N/A	Lot #: 1501179 Mfg. Env. Express
pH Paper	1/15/17	Lot #: 200814 Mfg. Hydrion
Filter paper	N/A	Lot #: 9630020 Mfg. Fisher Scientific
Spiking Solution ODD	11/22/15	MA-15-213-84

Form: AA014-04
Rev. Date: 12/30/14

New Jersey ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JB98699A
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Sample: JB98699-1	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: SD-27R			
Wet Weight (Total)	32.7	g	
Tare Weight	26.15	g	
Dry Weight (Total)	29.86	g	
Solids, Percent	56.6	%	
Sample: JB98699-2	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: SD-29R			
Wet Weight (Total)	24	g	
Tare Weight	17.92	g	
Dry Weight (Total)	19.87	g	
Solids, Percent	32.1	%	
Sample: JB98699-3	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: SD-25R			
Wet Weight (Total)	28.8	g	
Tare Weight	19.85	g	
Dry Weight (Total)	22.06	g	
Solids, Percent	24.7	%	
Sample: JB98699-4	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: SD-26R			
Wet Weight (Total)	27.45	g	
Tare Weight	20.83	g	
Dry Weight (Total)	23.5	g	
Solids, Percent	40.3	%	
Sample: JB98699-5	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: DUP-01			
Wet Weight (Total)	29.72	g	
Tare Weight	20.67	g	
Dry Weight (Total)	23.57	g	
Solids, Percent	32	%	

New Jersey ACCUTEST LABORATORIES

01/18/16

Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

Technical Report for

TRC

SMC OU2, 35 South West Boulevard, Newfield, NJ

112434.00OU2.003050 PO # 82682

Accutest Job Number: JB98699R

Sampling Dates: 07/06/15 - 07/07/15

Report to:

TRC

ddanehy@trcsolutions.com

ATTN: Daniel Danehy

Total number of pages in report: **35**

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TN, TX, VA, WV, DoD ELAP (L-A-B L2248)

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Sections: 1 2 3 4 5 6 7

Table of Contents

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Summary of Hits **5**
Section 4: Sample Results **6**
4.1: JB98699-1R: SD-27R 7
4.2: JB98699-2R: SD-29R 8
4.3: JB98699-3R: SD-25R 9
4.4: JB98699-4R: SD-26R 10
4.5: JB98699-5R: DUP-01 11
Section 5: Misc. Forms **12**
5.1: Chain of Custody 13
5.2: Sample Tracking Chronicle 17
5.3: Internal Chain of Custody 18
Section 6: General Chemistry - QC Data Summaries **22**
6.1: Method Blank and Spike Results Summary 23
6.2: Duplicate Results Summary 24
6.3: Matrix Spike Results Summary 25
6.4: Percent Solids Raw Data Summary 26
Section 7: General Chemistry - Raw Data **27**
7.1: Raw Data GN29311: Chromium, Hexavalent 28

Sample Summary

TRC

Job No: JB98699R

SMC OU2, 35 South West Boulevard, Newfield, NJ
Project No: 112434.00OU2.003050 PO # 82682

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB98699-1R	07/06/15	14:30	DD	07/08/15	SO	Sediment	SD-27R
JB98699-2R	07/07/15	11:50	DD	07/08/15	SO	Sediment	SD-29R
JB98699-3R	07/07/15	12:45	DD	07/08/15	SO	Sediment	SD-25R
JB98699-4R	07/07/15	13:00	DD	07/08/15	SO	Sediment	SD-26R
JB98699-5R	07/07/15	00:00	DD	07/08/15	SO	Sediment	DUP-01

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	TRC	**Job No**	JB98699R
Site:	SMC OU2, 35 South West Boulevard, Newfield, NJ	**Report Date**	7/29/2015 5:25:03 PM

On 07/08/2015, 5 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a maximum corrected temperature of 3.7 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB98699R was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Wet Chemistry By Method SW846 3060A/7196A

Matrix: SO **Batch ID:** GP90700

- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB98699-2RMS, JB98699-2RDUP, JB98699-2RMS were used as the QC samples for Chromium, Hexavalent.
- Matrix Spike Recovery(s) for Chromium, Hexavalent are outside control limits. Insoluble XCR matrix spike recovery indicates possible matrix interference. See additional comments on soluble matrix spike recovery.
- RPD(s) for Duplicate for Chromium, Hexavalent are outside control limits for sample GP90700-D1. RPD acceptable due to low duplicate and sample concentrations.
- GP90700-S1 for Chromium, Hexavalent: Soluble XCR matrix spike recovery indicates possible matrix interference. Low post spike recovery (54_%) on this sample. Low pH adjusted post spike (48%). Good agreement between the sample and 1:5 dilution.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JB98699R
Account: TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Collected: 07/06/15 thru 07/07/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB98699-1R	**SD-27R**					
Chromium, Hexavalent		1.4	0.71		mg/kg	SW846 3060A/7196A
JB98699-2R	**SD-29R**					
Chromium, Hexavalent		1.7	1.2		mg/kg	SW846 3060A/7196A
JB98699-3R	**SD-25R**					
Chromium, Hexavalent		7.3	1.6		mg/kg	SW846 3060A/7196A
JB98699-4R	**SD-26R**					
Chromium, Hexavalent		9.4	0.99		mg/kg	SW846 3060A/7196A
JB98699-5R	**DUP-01**					

No hits reported in this sample.

New Jersey ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SD-27R		
Lab Sample ID:	JB98699-1R	**Date Sampled:**	07/06/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	56.6
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.4	0.71	mg/kg	1	07/23/15 11:38	RP	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-29R		
Lab Sample ID:	JB98699-2R	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	32.1
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.7	1.2	mg/kg	1	07/23/15 09:55	RP	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-25R		
Lab Sample ID:	JB98699-3R	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	24.7
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	7.3	1.6	mg/kg	1	07/23/15 11:38	RP	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SD-26R		
Lab Sample ID:	JB98699-4R	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	40.3
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	9.4	0.99	mg/kg	1	07/23/15 11:38	RP	SW846 3060A/7196A

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DUP-01		
Lab Sample ID:	JB98699-5R	**Date Sampled:**	07/07/15
Matrix:	SO - Sediment	**Date Received:**	07/08/15
		Percent Solids:	32.0
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 1.3	1.3	mg/kg	1	07/23/15 11:38	RP	SW846 3060A/7196A

RL = Reporting Limit

New Jersey ACCUTEST LABORATORIES

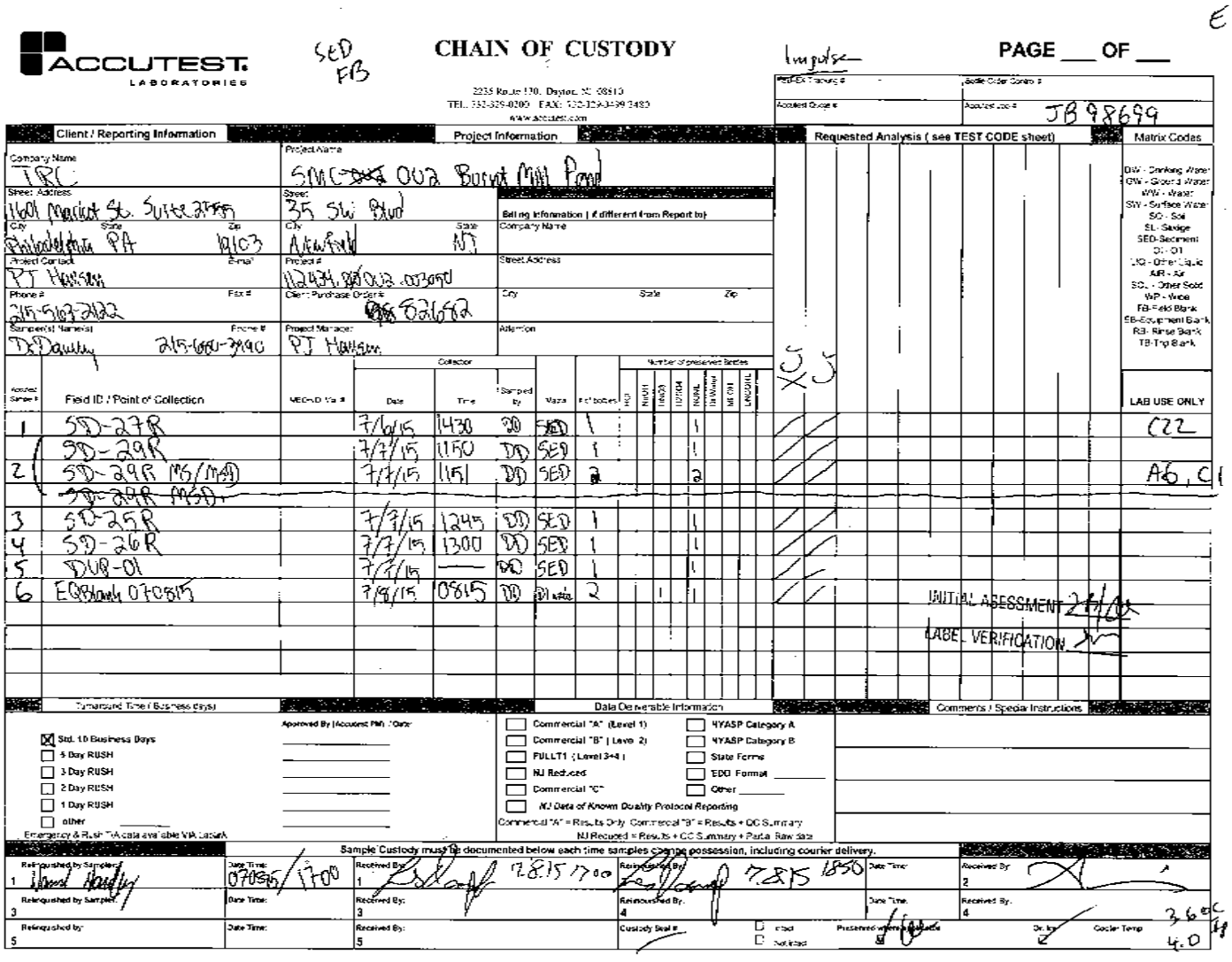
Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

E



ACCUTEST LABORATORIES

SED FB

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

Impulse

PAGE ___ OF ___

Fed-Ex Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JB98699

Client / Reporting Information

Company Name: TRC	Project Name: SMC ~~OU2~~ OU2 Burnt Mill Pond
Street Address: 1601 Market St. Suite 2555	Street: 35 SW Blvd
City: Philadelphia State: PA Zip: 19103	City: Newfield State: NJ
Project Contact: PJ Hansen E-mail:	Project #: 112434.[illegible]OU2.003050
Phone #: 215-563-2122 Fax #:	Client Purchase Order #: 826682
Sampler(s) Name(s): D. Dawley Phone #: 215-680-3990	Project Manager: PJ Hansen

Project Information

Billing Information (if different from Report to)

Company Name	
Street Address	
City State Zip	
Attention	

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collector Date	Collector Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	LNCOHL	XCS	CS	LAB USE ONLY
1	SD-27R		7/6/15	1430	DD	SED	1					1						C22
	SD-29R		7/7/15	1150	DD	SED	1					1						
2	SD-29R MS/MSD		7/7/15	1151	DD	SED	2					2						A6, C1
	~~SD-29R MSD~~																	
3	SD-25R		7/7/15	1245	DD	SED	1					1						
4	SD-26R		7/7/15	1300	DD	SED	1					1						
5	DUP-01		7/7/15	—	DD	SED	1					1						
6	EQBlank 070815		7/8/15	0815	DD	DI water	2			1		1						

INITIAL ASSESSMENT 2/4/15

LABEL VERIFICATION

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

Turnaround Time (Business days)

Approved By (Accutest PM) / Date:

- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [ ] other

Emergency & Rush T/A data available VIA Labtrk

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NJ Data of Known Quality Protocol Reporting
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1 [signature]	070815/1700	1 [signature] 7.8.15 1700	[signature] 7.8.15 1850		2 [signature]
3		3	4		4
5		5	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☑	Cooler Temp 3.6 °C 4.0

JB98699R: Chain of Custody
Page 1 of 4

5.1
5

13 of 35
ACCUTEST LABORATORIES
JB98699R

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB98699 **Client:** **Project:**

Date / Time Received: 7/8/2015 6:50:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6); Cooler 2: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (3.3); Cooler 2: (3.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	3		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

ACCUTEST LABORATORIES

Job Change Order: JB98699

Requested Date:	7/17/2015	**Received Date:**	7/8/2015
Account Name:	TRC	**Due Date:**	7/22/2015
Project Description:	SMC OU2, 35 SW Boulevard, Newfield, NJ	**Deliverable:**	FULT1
CSR:	mattc	**TAT (Days):**	14

==========

Sample #: JB98699-1,2,3,4,5

Dept:

Change:
due to XCR spike log in XXCRAR

==========

==========

Sample #: JB98699-2

Dept:

Change:
due to XCR spike log in FE2/7,TOCLK,SULFS

SD-29R

==========

Above Changes Per:

Date/Time: 7/17/2015 12:04:15 PM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

JB98699R: Chain of Custody
Page 3 of 4

ACCUTEST LABORATORIES

Job Change Order: JB98699A

Requested Date:	10/12/2015	**Received Date:**	7/8/2015
Account Name:	TRC	**Due Date:**	7/22/2015
Project Description:	SMC OU2, 35 South West Boulevard, Newfield, NJ	**Deliverable:**	REDT2
CSR:	mattc	**TAT (Days):**	14

==========

Sample #: JB98699A-all

Dept:

TAT:

Change:
upgrade to FULLT1 and reissue by 10/13

==========

Above Changes Per: E Denly **Date/Time:** 10/12/2015 10:38:40 AM

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

JB98699R: Chain of Custody
Page 4 of 4

Internal Sample Tracking Chronicle

TRC

Job No: JB98699R

SMC OU2, 35 South West Boulevard, Newfield, NJ
Project No: 112434.00OU2.003050 PO # 82682

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB98699-1R	Collected: 06-JUL-15 14:30 By: DD			Received: 08-JUL-15 By: AS		
SD-27R						
JB98699-1R	SW846 3060A/7196A	23-JUL-15 11:38	RP	22-JUL-15	YR	XCRA
JB98699-2R	Collected: 07-JUL-15 11:50 By: DD			Received: 08-JUL-15 By: AS		
SD-29R						
JB98699-2R	SW846 3060A/7196A	23-JUL-15 09:55	RP	22-JUL-15	YR	XCRA
JB98699-3R	Collected: 07-JUL-15 12:45 By: DD			Received: 08-JUL-15 By: AS		
SD-25R						
JB98699-3R	SW846 3060A/7196A	23-JUL-15 11:38	RP	22-JUL-15	YR	XCRA
JB98699-4R	Collected: 07-JUL-15 13:00 By: DD			Received: 08-JUL-15 By: AS		
SD-26R						
JB98699-4R	SW846 3060A/7196A	23-JUL-15 11:38	RP	22-JUL-15	YR	XCRA
JB98699-5R	Collected: 07-JUL-15 00:00 By: DD			Received: 08-JUL-15 By: AS		
DUP-01						
JB98699-5R	SW846 3060A/7196A	23-JUL-15 11:38	RP	22-JUL-15	YR	XCRA

Accutest Internal Chain of Custody

Job Number: JB98699R
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-1.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-1.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-1.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-1.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-1.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-1.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-1.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-1.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-1.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-1.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-1.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-1.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-1.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-1.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-1.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-1.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-1.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-1.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-1.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-1.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-1.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-1.1
JB98699-1.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-1.1
JB98699-1.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-1.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-1.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-1.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-2.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-2.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-2.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-2.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-2.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-2.2	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-2.2	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-2.2	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-2.2	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-2.2	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-2.2	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-2.2	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-2.2	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-2.2	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-2.2	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer

Accutest Internal Chain of Custody

Job Number: JB98699R
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-2.2	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-2.2	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-2.2	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-2.2	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-2.2	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-2.2	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-2.2.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-2.2
JB98699-2.2.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-2.2
JB98699-2.2.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-2.2.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-2.2.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-2.2.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-2.3	Secured Storage	Todd Shoemaker	07/14/15 13:55	Retrieve from Storage
JB98699-2.3	Todd Shoemaker	Kruti Patel	07/14/15 14:18	Custody Transfer
JB98699-2.3	Kruti Patel	Secured Storage	07/14/15 15:45	Return to Storage
JB98699-2.3	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-3.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-3.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-3.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-3.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-3.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-3.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-3.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-3.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-3.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-3.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-3.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-3.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-3.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-3.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-3.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-3.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-3.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-3.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-3.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-3.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-3.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-3.1
JB98699-3.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-3.1
JB98699-3.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-3.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage

Accutest Internal Chain of Custody

Job Number: JB98699R
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-3.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-3.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-4.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-4.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-4.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-4.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-4.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-4.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-4.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-4.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-4.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-4.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-4.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-4.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-4.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage
JB98699-4.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-4.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-4.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-4.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-4.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-4.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-4.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-4.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-4.1
JB98699-4.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-4.1
JB98699-4.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-4.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-4.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-4.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed
JB98699-5.1	Secured Storage	Sahara Feliciano	07/11/15 08:42	Retrieve from Storage
JB98699-5.1	Sahara Feliciano	Secured Staging Area	07/11/15 08:42	Return to Storage
JB98699-5.1	Secured Staging Area	Sanjay Advani	07/11/15 08:56	Retrieve from Storage
JB98699-5.1	Sanjay Advani	Secured Storage	07/11/15 11:04	Return to Storage
JB98699-5.1	Secured Storage	Dwayne Johnson	07/13/15 13:24	Retrieve from Storage
JB98699-5.1	Dwayne Johnson	Secured Staging Area	07/13/15 13:24	Return to Storage
JB98699-5.1	Secured Staging Area	Kruti Patel	07/13/15 14:45	Retrieve from Storage
JB98699-5.1	Kruti Patel	Secured Storage	07/13/15 15:46	Return to Storage
JB98699-5.1	Secured Storage	Todd Shoemaker	07/14/15 08:52	Retrieve from Storage
JB98699-5.1	Todd Shoemaker	Yogesh Rane	07/14/15 08:54	Custody Transfer
JB98699-5.1	Yogesh Rane	Secured Storage	07/14/15 11:51	Return to Storage
JB98699-5.1	Secured Storage	Todd Shoemaker	07/14/15 12:00	Retrieve from Storage
JB98699-5.1	Todd Shoemaker	Secured Staging Area	07/14/15 12:01	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB98699R
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ
Received: 07/08/15

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB98699-5.1	Secured Staging Area	Michael Obasidey	07/14/15 12:15	Retrieve from Storage
JB98699-5.1	Michael Obasidey	Secured Storage	07/14/15 16:28	Return to Storage
JB98699-5.1	Secured Storage	Alfredo Crespo	07/22/15 07:22	Retrieve from Storage
JB98699-5.1	Alfredo Crespo	Secured Staging Area	07/22/15 07:22	Return to Storage
JB98699-5.1	Secured Staging Area	Miti Patel	07/22/15 08:21	Retrieve from Storage
JB98699-5.1	Miti Patel	Secured Storage	07/22/15 15:44	Return to Storage
JB98699-5.1	Shirley Grzybowski		08/31/15 08:26	Disposed
JB98699-5.1.1	Michael Obasidey	Metals Digestion	07/14/15 15:51	Digestate from JB98699-5.1
JB98699-5.1.1	Metals Digestion	Michael Obasidey	07/14/15 15:52	Digestate from JB98699-5.1
JB98699-5.1.1	Michael Obasidey	Metals Digestate Storage	07/14/15 15:52	Return to Storage
JB98699-5.1.1	Metals Digestate Storage	Bryan Stokes-Cawley	07/15/15 16:17	Retrieve from Storage
JB98699-5.1.1	Bryan Stokes-Cawley	Metals Digestate Storage	07/15/15 16:17	Return to Storage
JB98699-5.1.1	Metals Digestate Storage		09/21/15 09:00	Disposed

New Jersey ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JB98699R
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP90700/GN29311	0.40	0.0	mg/kg	1068.32	1030	96.4	80-120%
Chromium, Hexavalent	GP90700/GN29311			mg/kg	40.00	33.2	83.0	80-120%

Associated Samples:
Batch GP90700: JB98699-1R, JB98699-2R, JB98699-3R, JB98699-4R, JB98699-5R
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JB98699R
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP90700/GN29311	JB98699-2R	mg/kg	1.7	1.3	26.7(a)	0-20%

Associated Samples:
Batch GP90700: JB98699-1R, JB98699-2R, JB98699-3R, JB98699-4R, JB98699-5R
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JB98699R
Account: TRCPAP - TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP90700/GN29311	JB98699-2R	mg/kg	1.7	3510	2550	72.6N(a)	75-125%
Chromium, Hexavalent	GP90700/GN29311	JB98699-2R	mg/kg	1.7	125	1.5	-0.2N(b)	75-125%

Associated Samples:
Batch GP90700: JB98699-1R, JB98699-2R, JB98699-3R, JB98699-4R, JB98699-5R
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Insoluble XCR matrix spike recovery indicates possible matrix interference. See additional comments on soluble matrix spike recovery.
(b) Soluble XCR matrix spike recovery indicates possible matrix interference. Low post spike recovery (54_%) on this sample. Low pH adjusted post spike (48%). Good agreement between the sample and 1:5 dilution.

Percent Solids Raw Data Summary

Job Number: JB98699R
Account: TRCPAP TRC
Project: SMC OU2, 35 South West Boulevard, Newfield, NJ

Sample: JB98699-1	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: SD-27R			
Wet Weight (Total)	32.7	g	
Tare Weight	26.15	g	
Dry Weight (Total)	29.86	g	
Solids, Percent	56.6	%	
Sample: JB98699-2	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: SD-29R			
Wet Weight (Total)	24	g	
Tare Weight	17.92	g	
Dry Weight (Total)	19.87	g	
Solids, Percent	32.1	%	
Sample: JB98699-3	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: SD-25R			
Wet Weight (Total)	28.8	g	
Tare Weight	19.85	g	
Dry Weight (Total)	22.06	g	
Solids, Percent	24.7	%	
Sample: JB98699-4	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: SD-26R			
Wet Weight (Total)	27.45	g	
Tare Weight	20.83	g	
Dry Weight (Total)	23.5	g	
Solids, Percent	40.3	%	
Sample: JB98699-5	**Analyzed:** 13-JUL-15 by KP		**Method:** SM2540 G-97
ClientID: DUP-01			
Wet Weight (Total)	29.72	g	
Tare Weight	20.67	g	
Dry Weight (Total)	23.57	g	
Solids, Percent	32	%	

New Jersey ACCUTEST LABORATORIES

General Chemistry

Raw Data

Hexavalent Chromium

Test Title:	XCRA
GN Batch:	GN29311
Analyst:	RP
Prep Date:	7/22/2015
Analysis Date:	7/23/2015
Instrument ID:	0

Method: SW846 3060A, 7196A

Note: All results below shown on a wet weight basis.

	Corr. Coef:	0.99974
	Slope:	0.8249
	Y intercept:	0.0039

RP 7/23/15

Bottle #	Sample #	Sample Absorbance	BKGRD Abs	Analysis Times	Y Values Corr Sample Absorbance	X Values Conc(mg/l)	Final Vol. (ml)	Sam Wt. (g)	Dilution	Final Conc.	Units	MDL	RDL
	Cal. Blk.	0.000	NA	8:59	0.000	0.0000							
	STD 1	0.010	NA	9:03	0.010	0.0100							
	STD 2	0.046	NA	9:03	0.046	0.0500							
	STD 3	0.087	NA	9:03	0.087	0.1000							
	STD 4	0.247	NA	9:03	0.247	0.3000							
	STD 5	0.429	NA	9:03	0.429	0.5000							
	STD 6	0.671	NA	9:03	0.671	0.8000							
	STD 7	0.818	NA	9:03	0.818	1.0000							
	CCV	0.385	NA	9:43	0.385	0.4620	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB	0.001	NA	9:43	0.001	-0.0035	NA	NA	NA	NA	mg/l	0.005	0.010
	GP90700-MB1	0.000	0.000	9:55	0.000	-0.0047	100.0	2.5000	1	-0.189	mg/kg	0.188	0.400
	GP90700-B1	0.689	0.000	9:55	0.689	0.8305	100.0	2.5000	1	33.220	mg/kg	0.188	0.400
	GP90700-S1	0.058	0.044	9:55	0.014	0.0122	100.0	2.5000	1	0.490	mg/kg	0.188	0.400
	GP90700-D1	0.044	0.031	9:55	0.013	0.0110	100.0	2.5800	1	0.427	mg/kg	0.188	0.388
	JB98699-2R	0.061	0.046	9:55	0.015	0.0135	100.0	2.4000	1	0.560	mg/kg	0.188	0.417
	JB98699-2RPSCONF	0.244	0.025	9:55	0.219	0.2607	100.0	2.4000	2	21.729	mg/kg	0.188	0.833
	GP90700-B2	>3	OVR	9:55		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
	GP90700-S2	>3	OVR	9:55		#VALUE!	100.0	2.4700	1	#VALUE!	mg/kg	0.188	0.405
	GP90700-B2	0.427	0.000	9:55	0.427	0.5129	100.0	2.5000	50	1025.793	mg/kg	0.188	20.000
	GP90700-S2	0.345	0.008	9:55	0.337	0.4038	100.0	2.4700	50	817.397	mg/kg	0.188	20.243
	CCV	0.388	NA	9:55	0.388	0.4656	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB	0.001	NA	9:55	0.001	-0.0035	NA	NA	NA	NA	mg/l	0.005	0.010
	JB98699-2RCONF	0.013	0.010	10:05	0.003	-0.0011	100.0	2.4000	5	-0.229	mg/kg	0.188	2.083
	98699-2RphadspsCO	0.230	0.030	10:05	0.200	0.2377	100.0	2.4000	2	19.810	mg/kg	0.188	0.833
	GP90700-MB1CONF	0.000	0.000	10:05	0.000	-0.0047	100.0	2.5000	1	-0.189	mg/kg	0.188	0.400
	GP90700-B1CONF	0.690	0.000	10:05	0.690	0.8317	100.0	2.5000	1	33.269	mg/kg	0.188	0.400
				10:05		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				10:05		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				10:05		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				10:05		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				10:05		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				10:05		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
	CCV	0.385	NA	10:05	0.385	0.4620	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB	0.000	NA	10:05	0.000	-0.0047	NA	NA	NA	NA	mg/l	0.005	0.010
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:28		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
	CCV	0.384	NA	11:28	0.384	0.4608	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB	0.002	NA	11:28	0.002	-0.0023	NA	NA	NA	NA	mg/l	0.005	0.010
	JB98699-1R	0.040	0.020	11:38	0.020	0.0195	100.0	2.4400	1	0.800	mg/kg	0.188	0.410
	JB98699-3R	0.076	0.034	11:38	0.042	0.0462	100.0	2.5700	1	1.797	mg/kg	0.188	0.389
	JB98699-4R	0.130	0.051	11:38	0.079	0.0910	100.0	2.4000	1	3.793	mg/kg	0.188	0.417
	JB98699-5R	0.062	0.054	11:38	0.008	0.0050	100.0	2.4200	1	0.205	mg/kg	0.188	0.413
				11:38		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:38		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:38		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:38		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:38		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
				11:38		#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
	CCV	0.386	NA	11:38	0.386	0.4632	NA	NA	NA	NA	mg/l	0.005	0.010
	CCB	0.001	NA	11:38	0.001	-0.0035	NA	NA	NA	NA	mg/l	0.005	0.010
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400
						#VALUE!	100.0	2.5000	1	#VALUE!	mg/kg	0.188	0.400

7.1.7

ACCUTEST LABS
DAYTON, NJ

3060A/7196A POST-DIGEST SPIKE LEVEL CALCULATION SPREADSHEET

GP Batch: GP90700

NOTE: Always dilute post-spike first, then take a 45 ml aliquot of the diluted post-spike and add the spike amount.

Sample ID	PS Aliquot Weight in g Digested in 100 ml	Weight in 45 ml	Results in mg/kg.	Amount in ml to add of 100 ppm solution	Dilution needed	Suggested Dilution to use	Actual Dilution to be used	Suggested ml of 100 ppm to spike on dilution of sample.	Actual ml of 100 ppm to spike on dilution of sample.	Est. Read-back on curve in mg/l	Calculated Spike Amount in mg/kg	Use calculated or default spike?
JB98699-2R	2.4	1.08	0.56	0.432	no	1	2	0.216	0.216	0.487	40.000	efault (40 mg/kg) spike
JB98699-2R	2.4	1.08	0.56	0.432	no	1	2	0.216	0.216	0.487	40.000	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike
		0		0.000	no	0		#DIV/0!		#DIV/0!	#DIV/0!	efault (40 mg/kg) spike

3060A/7196A INSOLUBLE SPIKE CALCULATION

Weight of PbCrO4	Weight of Sample	Amount Spiked
0.0166	2.5	1068.317
0.0173	2.47	1126.889
		#DIV/0!
		#DIV/0!
		#DIV/0!

Validated By: JJY Date Validated: 2/26/13

Doc. Control #: AGN-XCRAPSCALC-01

ACCUTEST

Hexavalent Chromium pH Adjustment Log
Method Sw846 3060A/7196A

	#1	#2	#1	#2
pH adj. start time:	9:05	11:08	9:21	11:14
pH adj. end time:	9:10	11:11	9:26	11:17

pH Meter ID: 59
Digestion Date: 7/22/15
pH adj. Date: 7/23/15
GN Batch ID: GN29311

GP90700 Sample ID	Sample Weight in g	pH after HNO3 (7.0 to 8.0)	Final Volume (ml)	pH after H2SO4 (1.5 to 2.5)	bkg pH after H2SO4	Spike Amounts	Spike Solution	Digestate Description/Comments
CCV		7.57	100	1.63	—	5.0ml	10ppm Ultra	
CCV		7.60	↓	1.80	—			
CCV								
CCV								
CCB		7.81	100	1.75	—			
CCB		7.87	↓	1.65	—			
CCB								
CCB								
* MS (Sol) JB98699-2R	2.50	7.79	100	1.94	1.68	1.0ml	100ppm Abs	
* MS (Insol.) ↓	2.47	7.83		1.88	1.70	0.0173	PbCrO4	
* DUP ↓	2.58	7.69		1.79	1.52			
* SB (Sol)	2.50g	7.38		1.61	1.73	1.0ml	100ppm Abs	
* SB (Insol)	2.50g	7.76		1.90	1.62	0.0166	PbCrO4	
* MB	2.50g	7.64		1.67	1.90			
* 1 JB98699-2R	2.40	7.83		1.51	1.86			Black B
* 2 -1R	2.44	7.96		1.59	1.66			↓
* 3 -3R	2.57	7.68		1.75	1.91			
* 4 -4R	2.40	7.17		1.88	1.70			
* 5 -5R	2.42	7.78	↓	1.60	1.52			↓
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
* SB (Insol)	2.50g	7.76	100	1.69	1.75			dilution1:50 1ml to 50ml
* MS (Insol.) JB98699-2R	2.47	7.83	↓	1.96	1.80			dilution 1:50 1ml to 50ml
* PS ↓	2.40	7.83	↓	1.77	1.65	0.216ml	100ppm Abs.	1:2 (25ml to 50ml)
* pH adjusted PS ↓	2.40	7.80	100	1.58	1.70	0.216 ml	100ppm Abs.	1:2 (25ml to 50ml)
* 1:5 dil. ↓	2.40	7.80	↓	1.66	1.94			10ml to 50ml (1:5)
JB98699-2R(Ex)	2.40	7.80	↓	—	—			

Reagent Reference Information - refer to attached reagent reference information page(s).

{1000000 ug/g x Insoluble spike wt(g) x 52/323.2}/ms sample wt(g) = Insoluble spike amount of PbCrO4

Digestion analyst & date: MPIVR 7/22/15 Analysis analyst & date: [signature] 7/23/15

2nd analyst check: _____ Analyst: _____

Form: GN067-02a
Rev. Date: 15-May-15

* Samples filtered by syringe (0.45um membrane).
* pH Adj PS preserved with 1N NaOH & pH=8.38.

7.1

7

ACCUTEST.

Test: **Hexavalent Chromium** MDL = 0.188 mg/kg GNBatch ID: GN29311
Product: **XCr** RDL = 0.40 mg/kg Date: 7/23/15
Method: **SW846 3060A/7196A**

Digestion Batch QC Summary Units = mg/kg

Method Blank ID: GP90700-MB Date: 7/23/15 Result: <RDL RDL: 0.40 <RDL: Y
Sol. Spike Blank ID: -B1 Date: Result: 33.22 Spike: 40.00 %Rec.: 83.05 %
Insol. Spike Blank ID: -B2 Date: Result: 1025.79 Spike: 1068.32 %Rec.: 96.01 %
Duplicate ID: JB98699-2R Samp. Result: 0.560 Dup. Result: 0.427 %RPD: 26.95 %
Sol. MS ID: GP90700-S1 Samp. Result: MS Result: 0.490 Spike: 40.00 %Rec: 0.00 %
Insol. MS ID: -S2 Samp. Result: MS Result: 817.40 Spike: 1126.89 %Rec: 72.49 %
Post Spike ID: JB98699-2R Samp. Result: PS Result: 21.73 Spike: 40.00 %Rec: 52.93 %
Diluted Sample ID: Samp. Result: 0.560 Dil. Result: 0.000 %RPD: 200.00 %
pH adj. PS ID: Samp. Result: MS Result: 19.81 Spike: 40.00 %Rec: 48.13 %

Analysis Batch QC Summary Units = mg/l

CCV: 7/23/15	Result: 0.4620	TV: 0.500	%Rec.: 92.40 %		
CCV:	Result: 0.4656	TV: 0.500	%Rec.: 93.12 %		
CCV:	Result: 0.4620	TV: 0.500	%Rec.: 92.40 %		
CCV:	Result: 0.4608	TV: 0.500	%Rec.: 92.16 %		
CCV:	Result: 0.4632	TV: 0.500	%Rec.: 92.64 %		
CCV:	Result:	TV: 0.500	%Rec.:		
CCV:	Result:	TV: 0.500	%Rec.:		
CCV:	Result:	TV: 0.500	%Rec.:		
CCV:	Result:	TV: 0.500	%Rec.:		
CCB: 7/23/15	Result: <RDL	RDL: 0.010	<RDL: Y		
CCB:	Result:	RDL: 0.010	<RDL:		
CCB:	Result:	RDL: 0.010	<RDL:		
CCB:	Result:	RDL: 0.010	<RDL:		
CCB:	Result:	RDL: 0.010	<RDL:		
CCB:	Result:	RDL: 0.010	<RDL:		
CCB:	Result:	RDL: 0.010	<RDL:		
CCB:	Result:	RDL: 0.010	<RDL:		
CCB:	Result:	RDL: 0.010	<RDL:		

Reagent Reference Information - refer to attached reagent reference information page(s).

Insoluble spike = $PbCrO_4$ Molecular weight = 323.2 g/mol Cr = 52.0 g/mol

{1000000 ug/g x Insoluble spike wt(g) x 52/323.2}/ms sample wt(g) = Insoluble spike amount

Analyst: PP Date: 7/23/15

Comments:

Form: GN066-03
Rev. Date: 18-May-2015

7.1.7

ACCUTEST.

Hexavalent Chromium pH Adjustment Log

Method: SW846 3060A/7196A

pH adj. start time: 8-33 8-39

pH adj. end time: 8-36 8-42

pH adjustment Date: 7-23-2015

GN Batch ID: GN 90700 GN29311 (+Duff)

Sample ID	Sample Weight in g	pH after HNO3	Final Volume (ml)	pH after H2SO4	Comments	Spike Info.
Calibration Blank	NA	7.82	100	1.90	0	
0.010 mg/l standard	NA	7.41	100	1.82	10ppm Absolute	0.10 ml of 10 mg/l
0.050 mg/l standard	NA	7.26	100	1.91	10ppm Absolute	0.50 ml of 10 mg/l
0.100 mg/l standard	NA	7.91	100	1.86	10ppm Absolute	1.00 ml of 10 mg/l
0.300 mg/l standard	NA	7.30	100	1.82	10ppm Absolute	3.00 ml of 10 mg/l
0.500 mg/l standard	NA	7.21	100	1.90	10ppm Absolute	5.00 ml of 10 mg/l
0.800 mg/l standard	NA	7.44	100	1.84	10ppm Absolute	8.00 ml of 10 mg/l
1.00 mg/l standard	NA	7.29	100	1.82	10ppm Absolute	10.0 ml of 10 mg/l

Reagent Reference Information - refer to attached reagent reference information page(s).

{1000000 ug/g x Insoluble spike wt(g) x 52/323.2}/ms sample wt(g) = Insoluble spike amount of PbCrO4

Analyst: PZ

Date: 7-23-2015

Form: GN068-01

Rev. Date:5/22/06

7.1

7

ACCUTEST

HEXAVALENT CHROMIUM STANDARD PREPARATION LOG

Product: XCRA

GN or GP Number: ~~GN90700~~ GP GN29311

Intermediate Standard Description	Stock used to prepare standard	Stock concentration	Stock volume used in ml	Diluent	Final Volume	Final Conc. of Intermediate (mg/l)	Expiration Date	Analyst	Date
10 ppm	Absolute Grade Lot # 021215	1000 ppm	1.0 ml	DI	100 mls	10 mg/l	2/12/2018	RR	9-23-2015
100 ppm		1000 ppm	10 ml	DI	100 mls	100 mg/l			
5 ppm		1000 ppm	1.0 ml	DI	200 mg/l	5 mg/l			
7.5 ppm		1000 ppm	1.5 ml	DI	200 mg/l	7.5 mg/l			
10 ppm	Ultra lot R01215	1000 ppm	1.0 ml	DI	100 mg/l	10 mg/l	12/31/2020		

Standard Description	Intermediate or Stock used to prepare standard	Intermediate or Stock concentration	Intermediate or Stock volume used in ml	Diluent	Final Volume	Final Conc. Of Standard (mg/l)	Expiration Date	Analyst	Date
0.010 ppm	10.0 ppm abs	10.0 ppm	0.1 ppm	DI	100 mls	0.01 mg/l	9-24-2015	RR	9-23-2015
0.050 ppm	10.0 ppm abs	10.0 ppm	0.5 ppm	DI	100 mls	0.05 mg/l			
0.10 ppm	10.0 ppm abs	10.0 ppm	1.0 ppm	DI	100 mls	0.10 mg/l			
0.30 ppm	10.0 ppm abs	10.0 ppm	3.0 ppm	DI	100 mls	0.30 mg/l			
0.50 ppm	10.0 ppm abs	10.0 ppm	5.0 ppm	DI	100 mls	0.50 mg/l			
0.80 ppm	10.0 ppm abs	10.0 ppm	8.0 ppm	DI	100 mls	0.80 mg/l			
1.00 ppm	10.0 ppm abs	10.0 ppm	10.0 ppm	DI	100 mls	1.0 mg/l			

Form: GN205-02
Rev. Date:10/16/09

ACCUTEST

GN/GP Batch ID: GP907e00

Reagent Information Log - XCRA (soil 3060A/7196)

Reagent	Exp. Date	Reagent # or Manufacturer/Lot
Calibration Source: Hexavalent Chromium, 1000 mg/L Stock	4/27/2018	Absolute Grade Lot #042715
Calibration Checks: Hexavalent Chromium, 1000 mg/L Stock	9/22/2019	Ultra lot #R01215
Spiking Solution Source	2/12/2018	Absolute Grade Lot #021215
Lead Chromate (Insoluble Hexavalent Chromium Spike)	8/20/2019	Sigma Aldrich Lot #BCBL835855V
Magnesium Chloride, Anhydrous	8/14/2018	Alfa Aesar Lot #F19Z033
1N NaOH	11/19/2015	GNE5-43882-XCR
Digestion Solution	8/16/2015	GNE7-44512-XCR
Phosphate Buffer Solution	1/8/2016	GNE7-44412-XCRA
5.0 M Nitric Acid	1/8/2016	GNE7-44404-XCRA
Diphenylcarbazide Solution	8/14/2015	GNE7-44489-XCR
Sulfuric Acid, 10%	1/14/2016	GNE7-44484-XCR
Filter	NA	LOT# 141107059
Teflon Chips	NA	919120
0.45um syringe filter	NA	150130034

Form: GN087A-21B
Rev. Date: 2/18/10

ACCUTEST

HEXAVALENT CHROMIUM TEMPERATURE AND TIME DIGESTON LOG - METHOD 3060A

Record a minimum of starting, middle, and ending temperatures for each batch.

Thermometer ID: 1110664/2107554/2105634/1108728/1110146
Thermometer Correction factor: -1/-1.9/-1.2/-2.5/-0.8

Note: Minimum of 1 hour digestion time for each batch. Corrected temperatures must be in the range of 90 to 95 deg. C.

Digestion Batch ID	Description	Time	Temp. in deg. C Hot Plate # 6 - Uncorrected/Corrected	Temp. in deg. C Hot Plate # 3 - Uncorrected/Corrected	Temp. in deg. C Hot Plate # 2 - Uncorrected/Corrected	Temp. in deg. C Hot Plate # 1 - Uncorrected/Corrected	Temp. in deg. C Hot Plate # 5 - Uncorrected/Corrected
GP90696	Starting Time	9:15	93/92	94/92.1	95/93.8	95/92.5	92/91.2
GP90698	Time 1	9:45	93/92	94/92.1	95/93.8	95/92.5	92/91.2
GP90699	Ending Time	10:15	93/92	94/92.1	95/93.8	95/92.5	92/91.2
GP90700	Starting Time	10:20	93/92	94/92.1	95/93.8	95/92.5	93/92.2
GP90701	Time 1	10:50	93/92	94/92.1	95/93.8	95/92.5	93/92.2
GP90702	Ending Time	11:20	93/92	94/92.1	95/93.8	95/92.5	93/92.2
	Starting Time						
	Time 1						
	Ending Time						

Analyst: MP/YR/SK
2nd Analyst Check:

Date: 7/22/15

Form: GN074-02
Rev. Date: 8/08/12

APPENDIX B

DATA VALIDATION PACKAGE

Data Validation Report

Site: SMC Burnt Mill Pond Sediment Sampling
Laboratory: Accutest, Dayton, NJ
Case Number: JB98699, JB98699A and JB98699R
Reviewer: Paula DiMattei/TRC Environmental Corporation
Date: October 12, 2015

Samples Reviewed and Evaluation Summary

Chromium and Hexavalent Chromium/

5/Sediments/ SD-27R, SD-29R, SD-25R, SD-26R, DUP-01

1/Equipment blank/ EQBLANK 070815

The above-listed samples were collected on July 6-8, 2015 and were submitted to Accutest Laboratories in Dayton, NJ for analysis. The samples were analyzed for chromium by SW-846 method 6010C and hexavalent chromium by SW-846 method 7196A. The data validation was performed in accordance with the USEPA Region II Standard Operating Procedure (SOP) for ICP-AES Data Validation, HW-2a, Revision 15, December 2012.

The inorganic data were evaluated based on the following parameters:

- Overall Evaluation of Data and Potential Usability Issues
* • Data Completeness
* • Holding Times and Sample Preservation
* • Instrument Calibration
* • Quantitation Limit (QL) Standard Recoveries
* • Blank Analysis Results
* • Inductively Coupled Plasma (ICP) Interference Check Sample (ICS) Results
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Duplicate Results
* • Field Duplicate Results
* • Laboratory Control Sample (LCS) Results
* • Serial Dilution Results
- Sample Results and Reported Quantitation Limits

* - All criteria were met for this parameter.

Overall Evaluation of Data and Potential Usability Issues

All results are usable for project objectives. Qualification of the data as a result of sampling error is discussed below.

- The positive results for chromium and hexavalent chromium in all sediment samples except SD-27R were qualified as estimated (J) due to low percent solids content. These results are usable for project objectives as estimated values; which may have a minor impact on the data usability.

Qualifications applied to the data as a result of analytical error are discussed below.

- The positive results for chromium in all sediment samples were qualified as estimated (J) due to low MS/MSD percent recoveries. These results are usable for project objectives as estimated values; which may have a minor impact on the data usability.

- The positive results for hexavalent chromium in all sediment samples were qualified as estimated (J) due to low soluble and insoluble MS percent recoveries. These results are usable for project objectives as estimated values; which may have a minor impact on the data usability.

- The positive result for hexavalent chromium in sample DUP-01 was qualified as estimated (J) due to laboratory duplicate variability. This result is usable for project objectives as an estimated value; which may have a minor impact on the data usability.

Data Completeness

The data package was complete as defined under the requirements for the Contract Laboratory Program (CLP)-like deliverables.

Holding Times and Sample Preservation

All holding time criteria were met and cooler temperatures upon receipt were within the $4 \pm 2^{\circ}C$ criterion.

Instrument Calibration

All criteria were met.

QL Standard Recoveries

All criteria were met.

Blank Analysis Results

Target analytes were not detected in the laboratory preparation blanks, instrument blanks and equipment blank associated with the samples in this data set.

ICP ICS Results

All analyte recoveries were within control limits in the ICSAB sample analyses.

MS/MSD Results

MS/MSD analyses were performed on sample SD-29R (in case number JB98699A) for chromium. The MS analysis of sample SD-29R yielded 68.9 percent recovery (%R) of chromium; this is outside the 75-125% recovery limits. The positive results for chromium in all sediment samples were qualified as estimated and potentially biased low (J-).

MS analyses were performed on sample SD-29R (in cases JB98699 [initial analysis] and JB98699R [reanalysis]]. The MS results in the initial analysis of the sediment samples yielded results outside of the acceptance criteria requiring re-extraction and re-analysis of all sediment samples. The MS recovery results for the initial and reanalysis are summarized below.

Analyte	Soluble MS %R	Insoluble MS %R	Post digestion Spike (PDS) %R	pH-adjusted PDS %R
Hexavalent chromium (initial analysis)	26.3	99.8	101	Not applicable
Hexavalent chromium (re-analysis)	-0.2	72.6	54	48
QC Limits	75-125	75-125	85-115	85-115

Although the MS recoveries yielded better results in the initial analysis, the hexavalent chromium results in all samples, except for DUP-01, were higher in the reanalysis. Therefore, a conservative approach was taken to report the higher of the two values. Additionally, the laboratory measured the pH and ORP for all sediment samples and plotted the pH-Eh diagram to determine the oxidizing or reducing nature of the sample matrix. The ph-Eh results fell below the phase line of the diagram indicating that the matrix was of a reducing nature incapable of supporting hexavalent chromium. Consequently, the positive results for hexavalent chromium in all sediment samples were qualified as estimated and potentially biased low (J-).

Laboratory Duplicate Results

Laboratory duplicate analyses were performed on sample SD-29R (in cases JB98699 [initial analysis] and JB98699R [reanalysis]] for hexavalent chromium. All criteria were met for the re-analysis batch. The relative percent difference (RPD) for hexavalent chromium (157%) in the initial laboratory duplicate analysis of sample SD-29R exceeded the acceptance criterion of <20%. The hexavalent chromium result for sample DUP-01 was qualified as estimated (J). Qualification was not required for the remaining sediment samples since these were reported from the reanalysis in which the laboratory duplicate criteria were met. Sample DUP-01 was previously qualified as estimated and potentially biased low (J-) as result of the low MS %Rs; therefore, the overall qualification is estimated (J) with an indeterminate bias.

Field Duplicate Results

Samples SD-29R and DUP-01 were submitted as the field duplicate samples with this sample set. The following table summarizes the RPDs of the detected results which were within the acceptance criteria.

Analyte	SD-29R	DUP-01	RPD (%)
Chromium	4.6 mg/Kg	6.4 mg/Kg	36
Hexavalent chromium	1.7 mg/Kg	2.6 mg/Kg	42
Criteria : For results ≥ 5x the quantitation limit (QL) , RPD <50 For results <5x the QL, the difference between the results must be <2x the QL			

LCS Results

All criteria were met.

Serial Dilution Results

The laboratory performed serial dilution analysis on sample SD-29R (in case number JB98699). All criteria were met.

Sample Results and Reported Quantitation Limits

Sample calculations were spot-checked; no discrepancies were found.

The percent solids content for the following samples was less than 50%: SD-29R (32.1), SD-25R (24.7), SD-26R (40.3) and DUP-01 (32.0). The positive results for chromium and hexavalent chromium in these samples were qualified as estimated (J). it should be noted that the chromium and hexavalent chromium results in these samples were qualified as estimated and potentially biased low (J-) as a result of low MS recoveries. The overall qualification of these results is estimated (J) with an indeterminate bias.

There were no dilutions performed on samples in this data set.

QUALIFIED FORM Is

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-27R		
Lab Sample ID:	JB98699-1A	Date Sampled:	07/06/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	56.6
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.1
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	131 J-	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-29R		
Lab Sample ID:	JB98699-2A	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	32.1
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.2
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	4.6 J	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-25R		
Lab Sample ID:	JB98699-3A	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	24.7
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.3
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	408 J	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-26R		
Lab Sample ID:	JB98699-4A	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	40.3
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.4

4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	821 J	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP-01		
Lab Sample ID:	JB98699-5A	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	32.0
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.5
4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	6.4 J	1.0	mg/kg	1	07/14/15	07/15/15	BS	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA37100
(2) Prep QC Batch: MP87667

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	EQBLANK 070815		
Lab Sample ID:	JB98699-6A	Date Sampled:	07/08/15
Matrix:	AQ - Equipment Blank	Date Received:	07/08/15
		Percent Solids:	n/a
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	< 10	10	ug/l	1	07/13/15	07/15/15	AP	SW846 6010C [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA37086
(2) Prep QC Batch: MP87627

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

4.1
4

Client Sample ID:	SD-27R		
Lab Sample ID:	JB98699-1	Date Sampled:	07/06/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	56.6
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

DO NOT REPORT

Analyte	Result	RL	Units	DF	Analyzed	By	Method
~~Chromium, Hexavalent~~	~~< 0.71~~	~~0.71~~	~~mg/kg~~	~~1~~	~~07/16/15 16:56~~	~~CD~~	~~SW846 3060A/7196A~~
Redox Potential Vs H2	393		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	56.6		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	5.88		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-27R		
Lab Sample ID:	JB98699-1R	Date Sampled:	07/06/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	56.6
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.1
4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.4 J-	0.71	mg/kg	1	07/23/15 11:38	RP	SW846 3060A/7196A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-29R		
Lab Sample ID:	JB98699-2	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	32.1
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.2 4

General Chemistry

DO NOT REPORT

Analyte	Result	RL	Units	DF	Analyzed	By	Method
~~Chromium, Hexavalent~~	~~1.3~~	1.2	mg/kg	1	07/16/15 16:51	CD	SW846 3060A/7196A
Redox Potential Vs H2	389		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	32.1		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	6.06		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-29R		
Lab Sample ID:	JB98699-2R	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	32.1
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	1.7 J	1.2	mg/kg	1	07/23/15 09:55	RP	SW846 3060A/7196A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-25R		
Lab Sample ID:	JB98699-3	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	24.7
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.3 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
DO NOT REPORT							
~~Chromium, Hexavalent~~	~~< 1.6~~	1.6	mg/kg	1	07/16/15 16:56	CD	SW846 3060A/7196A
Redox Potential Vs H2	388		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	24.7		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	5.77		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-25R		
Lab Sample ID:	JB98699-3R	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	24.7
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	7.3 J	1.6	mg/kg	1	07/23/15 11:38	RP	SW846 3060A/7196A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-26R		
Lab Sample ID:	JB98699-4	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	40.3
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.4 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
DO NOT REPORT							
~~Chromium, Hexavalent~~	~~< 0.99~~	0.99	mg/kg	1	07/16/15 16:56	CD	SW846 3060A/7196A
Redox Potential Vs H2	408		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	40.3		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	5.96		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	SD-26R		
Lab Sample ID:	JB98699-4R	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	40.3
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	9.4 J	0.99	mg/kg	1	07/23/15 11:38	RP	SW846 3060A/7196A

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP-01		
Lab Sample ID:	JB98699-5	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	32.0
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	2.6 J	1.3	mg/kg	1	07/16/15 16:56	CD	SW846 3060A/7196A
Redox Potential Vs H2	384		mv	1	07/11/15 11:01	SA	ASTM D1498-76M
Solids, Percent	32		%	1	07/13/15 17:00	KP	SM2540 G-97
pH	6.03		su	1	07/11/15 10:12	SA	SW846 9045C,D

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	DUP-01		
Lab Sample ID:	JB98699-5R	Date Sampled:	07/07/15
Matrix:	SO - Sediment	Date Received:	07/08/15
		Percent Solids:	32.0
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

4.5 4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
~~Chromium, Hexavalent~~	~~<1.3~~	1.3	mg/kg	1	07/23/15 11:38	RP	SW846 3060A/7196A

DO NOT REPORT

RL = Reporting Limit

Accutest Laboratories

Report of Analysis

Client Sample ID:	EQBLANK 070815		
Lab Sample ID:	JB98699-6	Date Sampled:	07/08/15
Matrix:	AQ - Equipment Blank	Date Received:	07/08/15
		Percent Solids:	n/a
Project:	SMC OU2, 35 South West Boulevard, Newfield, NJ		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/08/15 21:42	TT	SW846 7196A

RL = Reporting Limit