due 8/25/11

Folder 1 of 2

Jewett White

(11070033)

Alion Science & Technology
EPA Region 2 ESAT
2890 Woodbridge Ave, Edison,
NJ 08837

12 10/12/11
October ~~10~~, 2011

Mr. Ness Tirol
EPA Task Order Project Officer
U.S. EPA Region II
2890 Woodbridge Avenue
Building 209
Edison, NJ 08837

RE: Jewett White, Project 11070033
Contract: EP-W-07-083
Task Order: 019 and 026
TDF(s): 11-0917A, B and B11070033A,B

Dear Mr. Tirol:

Please find enclosed the results and supporting data of TAL Metals analysis for a total of one hundred twenty two (122) samples (51 aqueous + 71 soils). Only five (5) soils out of seventy one were required for Mercury analysis.
Note: This is the final report for the TDF and will be closed.
If you have any questions or comments, please contact me.

Respectfully submitted,
ALION

John Johnson
Program Manager
Region II ESAT

Alion Science & Technology
EPA Region 2 ESAT
2890 Woodbridge Ave, Edison,
NJ 08837

ESAT TDF Evaluation Form

Instructions:

Please evaluate the ESAT performance on the completion of the task requested based on technical quality and timeliness as specified below and return to the TOPO/TM.

Tracking Information:

Contract Number:	EP-W-07-083
TO Number:	019 and 026
TDF Number:	11- 0917A,B and B11070033A,B
Project Name:	Jewett White Lead
Project Number:	11070033
Department:	Metals

Deliverable Information to be completed by ESAT		
Completion Date: 10/10/2011	Estimated Completion Date: 10/17/2011	Completed Products: 229 (122 ICP + 98 ICP re-analysis + 5 Hg + 4 Hg re-analysis)
Comments: (Required for late deliverables)		
Evaluation to be completed by PO/TOPO/TM		
Technical Quality: Acceptable ☐	Unacceptable ☐	Accepted By: Date:
Comments:		

Environmental Protection Agency Office of Emergency and Remedial Response **TECHNICAL DIRECTION**	Contract No. EP-W-07-083 Contractor: Alion Science and Technology Corp. Task Order #: 019 Technical Direction No. 11-0917
Site Name: Jewett White Lead – Staten Island, NY	Acct. # 11 T 02P 302DD2C A218LA01
Task Order Project Officer: Ness Tirol	Phone: 732-321-4431

THIS TECHNICAL DIRECTION DOCUMENTS:

Comments on a Deliverable? (Y/N)	N	Name of Deliverable:	Estimated Hours: 152
Completion Date of Deliverable:	See NOTE below*		

*NOTE : Analytical deliverables (e.g. complete data package) shall be submitted to the TOPO no later than two (2) business days prior to the due date listed on the Project Status Report.

Clarification or Comments:

Perform analysis of the samples listed below utilizing the procedure specifies in the above reference Task Order.

Analysis:

a. Sample preparation and analysis TAL Metals using appropriate EPA SOP. (120 hrs)
b. Sample preparation and analysis Mercury using appropriate EPA SOP. (32 hrs)

Site : Jewett White Lead – Staten Island, NY

Number of Samples: 50 aq, 65 sed, and 35 soil samples for TAL Metals; and 10 sed samples for Hg.

Estimated Arrival: 7/11/2011 - 7/29/2011

I CERTIFY THAT THIS TECHNICAL DIRECTIVE DOES NOT REQUEST SERVICES THAT ARE INHERENTLY GOVERNMENTAL FUNCTIONS AND THAT IT DOES NOT ALTER THE (1) STATEMENT OF WORK, (2) LEVEL OF EFFORT, (3) COST OF PERFORMING THE AUTHORIZED WORK, (4) NUMBER OF DELIVERABLES, OR (5) THE DUE DATES OF DELIVERABLES FOR THE ABOVE REFERENCED TASK ORDER.

TOPO Signature _____ Date 6/23/2011

PO Signature _____ Date 6/27/11

Original to Contractor
cc: TOPO Project Officer Contracting Officer

Rev. 09-09

DATA PACKAGE CHECKLIST-FOR ICP ONLY

Note : <u>Mercury Analysis is in Folder#2</u>

PROJECT NAME: Jewett White Lead and PROJECT NUMBER: 11070033

NUMBER OF SAMPLES & MATRIX TYPE: FOLDER #1 (31 AQ + 33 SOILS)

Analysis for ICP ✓ Number of runs 9

1) Cover Letter ✓ and TDF or Acceptance Forms ✓

Program Manager: Signed and Dated ✓

2) DEPT. REPORT DATA from LIMS ✓

Peer Reviewer: Signed and Dated ✓

3) ICP RLs ✓ Qualifier codes ✓ Percent Solids Form ✓

LCS Solid Certificate ✓ LDR Form ✓ and Manual Calculation ✓

4) ICP QA/QC checklist plus special comments ✓ QA/QC Forms (Macros) ✓

and RAW DATA with a) Cover Page ✓, b) Command Lists ✓, c) Vertical Summary ✓

Peer Reviewer: ICP QA/QC checklist signed and dated ✓

5) ICP Prep Logs ✓ and Weighing Balance # (included on front page) ✓

6) ICP Analysis Log(s) ✓ ICP Stock STDs ✓ and

ICP Sol'n. Prep Logs (CALs / QCs / Internal Std.) _____

7) Chain of Custody: Internal ✓ External ✓ and Analytical Request Form(s) (ARF) ✓

8) **LIMS Reviewer**: Validated Data for ICP Metal(s) ✓

Reporting Limits (RLs) - ICAP 6300 Duo

ANALYTE	RL AQUEOUS ug/L	RL SOIL mg/Kg
Silver (**Ag3280**)	5	0.5
Aluminum (**Al3961 A**)	100	10
Aluminum (**Al3961 R**)	100	10
Arsenic (**As1890**)	8	0.8
Barium (**Ba4554 R**)	100	10
Beryllium (**Be3131 R**)	3	0.3
Calcium (**Ca3179 R**)	500	50
Cadmium (**Cd2265**)	3	0.3
Cobalt (**Co2286**)	20	2
Chromium (**Cr2677**)	5	0.5
Copper (**Cu3247**)	10	1
Iron (**Fe2599 A**)	50	5
Iron (**Fe2599 R**)	50	5
Potassium (**K_7664 R**)	500	50
Magnesium (**Mg2790 R**)	500	50
Manganese (**Mn2576**)	5	0.5
Sodium (**Na5895 R**)	1,000	100
Nickel (**Ni2316**)	20	2
Lead (**Pb2203**)	8	0.8
Antimony (**Sb2068**)	20	2
Selenium (**Se1960**)	20	2
Thallium (**Tl1908**)	20	2
Vanadium (**V_2924**)	20	2
Zinc (**Zn2062**)	20	2
Molybdenum (**Mo2020**)	10	1
Titanium (**Ti3372**)	10	1

LIMS QUALIFIER CODES

Qualifier Codes	Definition
J	Estimated value
K	Reported value is biased high, i.e., the actual value is expected to be lower than the reported value.
L	Reported value is biased low, i.e., the actual value is expected to be greater than the reported value.
U	Not Detected (i.e., below RL)
UJ	Analyte concentration below estimated RL.

PERCENT TOTAL SOLIDS
SER00138 Jewitt White Lead Site

SAMPLE ID	LOCATION	% Solids
AN03572 138-080211-0005	14E	91
AN03573 138-080211-0010	15B	87
AN03574 138-080211-0015	15G	83
AN03575 138-080211-0020	16D	84
AN03576 138-080211-0025	17A	91
AN03577 138-080211-0030	17F	82
AN03578 138-080211-0035	18C	84
AN03579 138-080211-0040	18H	60
AN03580 138-080211-0041	FD2-14E	91
AN03434 138-071811-0100	FD1-2C	82

100% per Natural gas job 11/02/11

(*) % Solid not used since samples were received as dried

PERCENT TOTAL SOLIDS
SER00138 Jewitt White Lead Site

	SAMPLE ID	LOCATION	% Solids
AN03572	138-080211-0005	14E	91
3573	138-080211-0010	15B	87
3574	138-080211-0015	15G	83
3575	138-080211-0020	16D	84
3576	138-080211-0025	17A	91
3577	138-080211-0030	17F	82
3578	138-080211-0035	18C	84
3579	138-080211-0040	18H	60
3580	138-080211-0041	FD2-14E	91
AN03434	138-071811-0100	FD1-2C	82

*

SOP-G-23

PERCENT SOLIDS/MOISTURE

Book # : % S/M -15
Lock# : 0200805

Balance#: 33

Oven#: D-92

Page # : 109

Method: CLP SOW; 5.00-10.00g sample dried at 103-105 degC for 12-24 hours.

Note: Before starting the % Solids determination, an aliquot should be taken as follows:

(PLEASE CIRCLE HOW ALIQUOT WAS OBTAINED)

A. For Organic analyses, except VOA,: decant any standing water.

[✓ B.] For other analyses: mix the sample thoroughly.

Name of Survey(s): Jewett White lead

Project Number: 11070033

Date placed in oven at 103-105degC: 8/14/2011 Time: 1:15 AM/[✓ PM]

Date removed from oven at 103-105degC: 8/15/2011 Time: 9:30 [✓ AM]/PM

SAMPLE ID	WT OF DISH (grams) -A-	WT OF DISH + WET/AIR-DRIED SAMPLE (grams) -B-	WT OF DISH + DRIED SAMPLE (grams) -C-	PERCENT SOLIDS	PERCENT MOISTURE	CHECK IF AIR-DRIED
AN03623	1.1750	10.8182	8.3254	74.15%	25.85%	
AN03623Dup*	1.1730	10.0538	7.7946	74.56%	25.44%	
AN03624	1.1842	9.5458	6.8026	67.19%	32.81%	
AN03625	1.1836	8.1541	7.2619	87.20%	12.80%	
				#DIV/0!	#DIV/0!	
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				#DIV/0!	#DIV/0!	

Av % Solids	Av % Moisture	RPD % Solids	RPD % Moisture
		RPD<20%	RPD<20%
74.36%	25.64%	0.55%	1.60%

***Duplicate Must Be From First Sample Entered on the List for Correct RPD**

$$\text{PERCENT SOLIDS} = \frac{C - A}{B - A} \ (*100) \qquad \text{PERCENT MOISTURE} = \frac{B - C}{B - A} \ (*100)$$

Analyst R. Recto

Validated By/Date: FX 8/16/11

ERA

A Waters Company

Certificate of Analysis

Lot No. D069-540

Metals in Soil

Catalog No. 540

Issue Date: August 23, 2010

Revision Date: Original

Certification

Parameter	Total Concentration [1] (mg/kg)	Certified Value [2] (mg/kg)	Uncertainty [3]	QC PALs™ [4] (mg/kg)	PT PALs™ [5] (mg/kg)
aluminum	48500*	9780	4.3%	3810 - 15700	4340 - 15200
antimony	259	121	6.1%	DL - 265	25.9 - 304
arsenic	121	109	16.5%	90.7 - 128	76.2 - 143
barium	793	325	6.2%	270 - 380	241 - 409
beryllium	98.8	92.1	4.3%	77.1 - 107	68.6 - 116
boron	171	142	24.3%	90.7 - 193	90.4 - 194
cadmium	123	110	12.9%	88.8 - 131	80.6 - 139
calcium	11400*	6700	13.2%	5250 - 8150	4960 - 8410
chromium	159	93.4	5.1%	75.3 - 112	64.7 - 122
cobalt	143	133	15.7%	108 - 158	98.8 - 167
copper	93.7	74.7	5.0%	62.6 - 86.8	55.0 - 94.5
iron	29800*	13100	4.9%	6620 - 19500	4250 - 21900
lead	180	152	18.3%	120 - 184	112 - 192
magnesium	4870	2980	4.0%	2070 - 3880	1960 - 3990
manganese	705	443	13.3%	340 - 546	340 - 548
mercury	17.9	16.3	23.6%	11.6 - 21.0	8.37 - 24.2
molybdenum	101	82.5	20.0%	59.2 - 106	57.0 - 114
nickel	129	109	13.1%	88.5 - 129	78.8 - 138
potassium	18800*	2770	2.2%	1810 - 3730	1710 - 3820
selenium	230	207	7.6%	164 - 249	142 - 272
silver	56.7	51.9	1.7%	34.4 - 69.4	34.5 - 69.2
sodium	10000*	724	14.1%	513 - 936	410 - 1040
strontium	251	111	17.6%	84.7 - 136	77.8 - 143
thallium	192	171	8.6%	133 - 208	117 - 224
tin	151	135	1.6%	107 - 163	79.7 - 190
titanium	2340*	193	11.2%	56.9 - 330	0.00 - 398
vanadium	152	110	5.8%	84.5 - 136	73.7 - 146
zinc	330	299	9.6%	245 - 352	214 - 383

Please see footnotes on back

DL - Detection Limit

6000 West 54th Ave., Arvada, CO 80002 800-372-0122 fax: 303-421-0159 www.eraqc.com

ERA

A Waters Company

1. The **Total Concentrations** are equal to the background concentrations in the soil matrix (measured using neutron activation, XRF, and total digestion techniques) plus the amount of each analyte spiked onto the soil. For Trace Metals, the values listed are only "theoretical values" based upon the methodologies listed.

2. The **Certified Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study based on all applicable digestion techniques reported in the study. The certified values are based on an "as received" basis, assuming 100% solids content.

3. The stated **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA using a 3050 digestion procedure followed by ICP and/or ICP-MS analysis for the metals and a BrCl leach followed by CVAA analysis for Hg, multiplied by a coverage factor which is equal to the Student t factor at a 95% confidence interval at n-1 degrees of freedom.

4. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The **QC PALs™** reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the **QC PALs™** to realistically evaluate your performance against your peers.

5. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the **PT PALs™** when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

6. This standard **expires 1/2014.** The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or email to info@eraqc.com.

Certifying Officer: Tom Widera

* These parameters are native matrix elements and are present at high concentrations in the unspiked soil. As methods 3050 and 3051 do not normally dissolve elements bound in silicate structures, the recoveries of these elements will be low relative to the recoveries of the elements that are primarily spiked onto the soil.

NOTE: For laboratories that use internal standards in their analysis procedures, the following elements have been measured in this standard at the listed concentrations. (Note: these concentrations are for informational use only and do not represent "Certified Values". Ce - 46.2 mg/Kg; La - 25.6 mg/Kg; Y - 8.54 mg/Kg.)

Linear Dynamic Range (LDR) - ICAP 6300 Duo

(Effective Date: 02/2011)

ANALYTE (NON-SALTS)	ug/L	ppm
Silver (**Ag3280**)	5,000	**5**
Arsenic (**As1890**)	100,000	**100**
Barium (**Ba4554 R**)	95,000	**95**
Beryllium (**Be3131 R**)	75,000	**75**
Cadmium (**Cd2265**)	75,000	**75**
Cobalt (**Co2286**)	100,000	**100**
Chromium (**Cr2677**)	110,000	**110**
Copper (**Cu3247**)	50,000	**50**
Manganese (**Mn2576**)	35,000	**35**
Nickel (**Ni2316**)	95,000	**95**
Lead (**Pb2203**)	75,000	**75**
Antimony (**Sb2068**)	80,000	**80**
Selenium (**Se1960**)	95,000	**95**
Thallium (**Tl1908**)	100,000	**100**
Vanadium (**V_2924**)	100,000	**100**
Zinc (**Zn2062**)	80,000	**80**
Molybdenum (**Mo2020**)	110,000	**110**
Titanium (**Ti3372**)	40,000	**40**

ANALYTE (SALTS)	ug/L	ppm
Aluminum (**Al3961 A**)	72,500	**72.5**
Aluminum (**Al3961 R**)	900,000	**900**
Calcium (**Ca3179 R**)	1,000,000	**1000**
Iron (**Fe2599 A**)	85,000	**85**
Iron (**Fe2599 R**)	500,000	**500**
Potassium (**K_7664 R**)	600,000	**600**
Magnesium (**Mg2790 R**)	1,000,000	**1000**
Sodium (**Na5895 R**)	750,000	**750**

ADDITIONAL ANALYTES	ug/L	ppm
Boron (**B_2089**)	100,000	**100**
Silicon (**Si2881 A**)	300,000	**300**
Silicon (**Si2881 R**)	550,000	**550**
Strontium (**Sr3464**)	100,000	**100**
Tin (**Sn1899**)	100,000	**100**

MANUAL CALCULATION PER ANALYTE: **ICP METALS (solids)**

GENERAL FORMULA :

SOLID SAMPLE : **MG/KG (dry weight)** =

$$\frac{\text{ug/L} \times \text{D.F} \times \text{V}}{\text{W} \times \text{\%TS/100}}$$

where:

D.F	=	DILUTION FACTOR
V	=	FINAL VOLUME OF DIGESTATE, Liter
	=	**0.050 L**
W	=	WEIGHT OF SAMPLE , grams
	=	0.53 **g**
% TS	=	PERCENT TOTAL SOLIDS

note # 1: **D.F = 1 (when no dilution)**

note # 2: **MG/KG = ug / g**

Example calculation on sample # AND3572 with (% TS = 100)

using the above equation : (for solid samples)

Analyte: Be

MG/KG (ug / g) =

$$\frac{3.472 \text{ ug/L} \times 1 \times 0.050 \text{L}}{0.53 \text{ g} \times 100/100}$$

= 0.3275

MG/KG (ug / g) = **0.33** (ROUNDED VALUE FOR LIMS)

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Lead Project No.: 11070033

Date(s) of Sample Analysis: 8/14/11 Date(s) of Sample Prep.: 8/12/11

Preparer(s): R. Recto Analyst(s): R. Recto

(Circle) Matrix: (Aqueous) Solid Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: TAL Metals minus As, K, Na, Pb)	YES	NO	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?		✓	
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		
II. DIGESTION BATCH QC: (for the elements of interest stated above)			
A. Prep Blank < Reporting Limit for all elements of interest?		✓	
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)	✓		
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?	✓		
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?		✓	
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?		✓	
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project	✓		
G. For samples with results > Reporting Limit, was the % RSD < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)	✓		
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: R. Recto Date: 10/10/11

Peer Review: Donna Crescentia Ellis Date: 10/10/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: JEWETT WHITE LEAD

Project # 11070033

Twenty nine (29) aqueous samples (AN03594 – 3622) were analyzed for TAL Metals by ICP-AES on 08/14/11.

Some QC failures were encountered for **Na, K, As,** and **Pb** due to high salts content (Na and K). Hence, all of the above samples were reported for TAL except **Na, K, As,** and **Pb** during this analytical batch. (See re-analysis 08/16/11 – 08/18/11 for these exempted elements).

The RL for both **Cu** and **Se** were raised to 2RL since their corresponding RL-End was above the upper acceptance limit of 130%.

Matrix Spike #1:
The percent recoveries of the Matrix Spike (AN03594 MS) were below the lower acceptance limit of 80% for **Al, Ca,** and **Mg**. These elements concentration in the original (un-spike) sample greater than 1X spike levels were not qualified (N/A) whereas undetected concentration < RL will be qualified with qualifier "UL".
"UL" → Al → AN03594
Note: This "UL for Al was not applied due to the scenario below

The % Difference between the Matrix Spike (MS) and the Serial Dilution (SDL) for **Al** (%D = -15.26) was outside the acceptance range of -10% to +10%. Hence, the undetected original sample result for Al < RL was considered estimated and qualified with a **"UJ"**.
"UJ" -- > Al -- > AN03594

Matrix Spike #2:
The percent recoveries of the Matrix Spike (AN03609 MS) were outside the control limits of 80 - 120% for **Ag, Al, Ba, Ca, Mg,** and **Se.** These elements concentration in the original (un-spike) sample greater than 1X spike levels were not qualified (N/A) whereas undetected concentration < RL will be qualified with qualifier "UL" and qualifier "K" for undetected results are considered not applicable (N/A).
"UL" → Al → AN03609
Note: This "UL for Al was not applied due to the scenario below

The % Differences between the Matrix Spike (MS) and the Serial Dilution (SDL) for **Ag** (%D = 10.69) **and Al** ((%D = -16.9) were outside the acceptance range of -10% to +10%. Both of these elements concentration in the original (un-spike) sample are < RL, hence a "UJ" qualifier was applied.
"UJ" -- > Ag, Al -- > AN03609

AN0 3609 – Al = "UJ"
AN03594 – Al "UJ"

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 29 ATs

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: R. RECTO

SAMPLE PREPARATION DATE(S): 08/12/11

ANALYSIS DATE: 08/14/11

DATA FILE: ESAT081411

ELEMENT(S) OF INTEREST: TAL <u>except As, K, Na & Pb</u>

COVER PAGE

ICAP 6300 QC ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	14 Aug 2011			ug/L	14 Aug 2011	
		17:06:59				17:11:16	
Ag3280	200	206.7	103.4	PASS	5	0.5149	PASS
Al3082A	5000	5114	102.3	PASS	100	3.508	PASS
Al3082R	5000	5045	100.9	PASS	100	-27.5	PASS
As1890	200	199.3	99.7	PASS	8	3.391	PASS
Ba4554R	200	204.3	102.2	PASS	100	0.6129	PASS
Be3131R	200	198.5	99.3	PASS	3	0.4881	PASS
Ca3179R	5000	5190	103.8	PASS	500	14.6	PASS
Cd2265	200	199.3	99.7	PASS	3	0.6836	PASS
Co2286	200	196.1	98.1	PASS	20	0.9465	PASS
Cr2677	200	216.5	108.3	PASS	5	0.4124	PASS
Cu3247	200	214.6	107.3	PASS	10	1.13	PASS
Fe2599A	5000	5382	107.6	PASS	50	3.742	PASS
Fe2599R	5000	5186	103.7	PASS	50	-1.64	PASS
K_7664R	5000	5377	107.5	PASS	500	33.9	PASS
Mg2790R	5000	5065	101.3	PASS	500	8.901	PASS
Mn2576	200	213.1	106.6	PASS	5	0.7303	PASS
Na5895R	5000	5099	102.0	PASS	1000	-16.1	PASS
Ni2316	200	199.9	100.0	PASS	20	0.4746	PASS
Pb2203	200	200	100.0	PASS	8	-0.0808	PASS
Sb2068	200	204.1	102.1	PASS	20	0.6696	PASS
Se1960	200	205	102.5	PASS	20	-0.5595	PASS
Tl1908	200	202.5	101.3	PASS	20	0.92	PASS
V_2924	200	207.5	103.8	PASS	20	1.301	PASS
Zn2062	200	198.2	99.1	PASS	20	0.906	PASS
Mo2020	200	206.3	103.2	PASS	10	2.429	PASS
Ti3372	200	206.9	103.5	PASS	10	0.9375	PASS
B_2089	200	207.5	103.8	PASS	10	2.655	PASS
Si2881A	5000	5168	103.4	PASS	500	4.484	PASS
Si2881R	5000	5113	102.3	PASS	500	36.01	PASS
Sr3464	200	209.2	104.6	PASS	10	0.3685	PASS
Sn1899	200	203.8	101.9	PASS	10	0.7404	PASS

Dark Area = Elements of Interest

ICAP 6300 QC RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG	
	ug/L	ug/L	ug/L	14 Aug 2011			14 Aug 2011			
				17:15:41			21:53:08			
Ag3280	5	3.5	6.5	4.854	97.1	PASS	4.314	86.3	PASS	
Al3082A	100	70.0	130	112.1	112.1	PASS	127.1	127.1	PASS	
Al3082R	100	70.0	130	104.5	104.5	PASS	124.6	124.6	PASS	
As1890	8	5.6	10.4	6.359	79.5	PASS	F 15.69	#VALUE!	#VALUE!	
Ba4554R	100	70.0	130	98.94	98.9	PASS	112.6	112.6	PASS	
Be3131R	3	2.1	3.9	2.979	99.3	PASS	2.391	79.7	PASS	
Ca3179R	500	350	650	501.9	100.4	PASS	463.6	92.7	PASS	
Cd2265	3	2.1	3.9	2.873	95.8	PASS	3.09	103.0	PASS	
Co2286	20	14.0	26.0	19.49	97.5	PASS	19.79	99.0	PASS	
Cr2677	5	3.5	6.5	5.691	113.8	PASS	5.599	112.0	PASS	
Cu3247	10	7.0	13.0	11.17	111.7	PASS	13.61	136.1	FAIL	Raised RL to 2RL
Fe2599A	50	35.0	65.0	54.03	108.1	PASS	56.56	113.1	PASS	
Fe2599R	50	35.0	65.0	52.33	104.7	PASS	48.41	96.8	PASS	
K_7664R	500	350	650	585.6	117.1	PASS	F 1615.	#VALUE!	#VALUE!	
Mg2790R	500	350	650	514	102.8	PASS	417.9	83.6	PASS	
Mn2576	5	3.5	6.5	5.269	105.4	PASS	5.477	109.5	PASS	
Na5895R	1000	700	1300	978.9	97.9	PASS	F 11370.	#VALUE!	#VALUE!	
Ni2316	20	14.0	26.0	18.87	94.4	PASS	19.84	99.2	PASS	
Pb2203	8	5.6	10.4	8.233	102.9	PASS	10.26	128.3	PASS	
Sb2068	20	14.0	26.0	17.8	89.0	PASS	23.34	116.7	PASS	
Se1960	20	14.0	26.0	19.26	96.3	PASS	27.11	135.6	FAIL	Raised RL to 2RL
Tl1908	20	14.0	26.0	19.53	97.7	PASS	18.49	92.5	PASS	
V_2924	20	14.0	26.0	20.08	100.4	PASS	20.12	100.6	PASS	
Zn2062	20	14.0	26.0	20.91	104.6	PASS	23.54	117.7	PASS	
Mo2020	10	7.0	13.0	10.72	107.2	PASS	9.943	99.4	PASS	
Ti3372	10	7.0	13.0	10.31	103.1	PASS	10.21	102.1	PASS	
B_2089	10	7.0	13.0	10.63	106.3	PASS	F 3.844	#VALUE!	#VALUE!	
Si2881A	500	350	650	521.1	104.2	PASS	545.6	109.1	PASS	
Si2881R	500	350	650	517.9	103.6	PASS	493.3	98.7	PASS	
Sr3464	10	7.0	13.0	10.09	100.9	PASS	10.45	104.5	PASS	
Sn1899	10	7.0	13.0	9.988	99.9	PASS	11.32	113.2	PASS	

Dark Area = Elements of Interest

ICAP 6300 QC 2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	14 Aug 2011			14 Aug 2011		
				17:20:05			21:57:29		
Ag3280	10	7.0	13.0	9.594	95.9	PASS	9.825	98.3	PASS
Al3082A	200	140	260	208.3	104.2	PASS	231.1	115.6	PASS
Al3082R	200	140	260	159.9	80.0	PASS	239.5	119.8	PASS
As1890	16	11.2	20.8	15.58	97.4	PASS	F 23.75	#VALUE!	#VALUE!
Ba4554R	200	140	260	197.4	98.7	PASS	217.2	108.6	PASS
Be3131R	6	4.2	7.8	6.13	102.2	PASS	6.154	102.6	PASS
Ca3179R	1000	700	1300	998.8	99.9	PASS	941.2	94.1	PASS
Cd2265	6	4.2	7.8	5.779	96.3	PASS	5.938	99.0	PASS
Co2286	40	28.0	52.0	39.17	97.9	PASS	39.79	99.5	PASS
Cr2677	10	7.0	13.0	10.51	105.1	PASS	11.67	116.7	PASS
Cu3247	20	16.0	24	21.33	106.7	PASS	23.89	119.5	PASS
Fe2599A	100	70.0	130	105.7	105.7	PASS	114.9	114.9	PASS
Fe2599R	100	70.0	130	103.4	103.4	PASS	84.18	84.2	PASS
K_7664R	1000	700	1300	1052	105.2	PASS	F 2178.	#VALUE!	#VALUE!
Mg2790R	1000	700	1300	970.1	97.0	PASS	885.9	88.6	PASS
Mn2576	10	7.0	13.0	10.45	104.5	PASS	11.17	111.7	PASS
Na5895R	2000	1400	2600	1988	99.4	PASS	F 10900.	#VALUE!	#VALUE!
Ni2316	40	28.0	52.0	38.43	96.1	PASS	39.8	99.5	PASS
Pb2203	16	11.2	20.8	13.96	87.3	PASS	16.37	102.3	PASS
Sb2068	40	28.0	52.0	38.91	97.3	PASS	47.25	118.1	PASS
Se1960	40	28.0	52.0	37.82	94.6	PASS	43.93	109.8	PASS
Tl1908	40	28.0	52.0	38.51	96.3	PASS	39.29	98.2	PASS
V_2924	40	28.0	52.0	39.44	98.6	PASS	41.03	102.6	PASS
Zn2062	40	28.0	52.0	41.81	104.5	PASS	45.65	114.1	PASS
Mo2020	20	14.0	26.0	20.4	102.0	PASS	20.04	100.2	PASS
Ti3372	20	14.0	26.0	20.61	103.1	PASS	20.48	102.4	PASS
B_2089	20	14.0	26.0	21.09	105.5	PASS	16.04	80.2	PASS
Si2881A	1000	700	1300	1013	101.3	PASS	1052	105.2	PASS
Si2881R	1000	700	1300	997.9	99.8	PASS	909.6	91.0	PASS
Sr3464	20	14.0	26.0	19.85	99.3	PASS	21.21	106.1	PASS
Sn1899	20	14.0	26.0	20.05	100.3	PASS	22.92	114.6	PASS

Dark Area = Elements of Interest

ICAP 6300 QC IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	14 Aug 2011			14 Aug 2011			
				17:24:29			22:01:53			
Ag3280	0	-5.0	5.0	-1.28		PASS	-1.769		PASS	
Al3082A	300000	200000	300000	^F *****	*N/A	*N/A	^F *****	*N/A	*N/A	switch to radial
Al3082R	300000	200000	300000	305800	101.9	PASS	306400	102.1	PASS	
As1890	0	-8.0	8.0	-4.327		PASS	1.906		PASS	
Ba4554R	0	-100	100	-0.4247		PASS	5.115		PASS	
Be3131R	0	-3.0	3.0	0.4628		PASS	0.5408		PASS	
Ca3179R	300000	200000	300000	290700	96.9	PASS	275200	91.7	PASS	
Cd2265	0	-3.0	3.0	-1.399		PASS	-0.3599		PASS	
Co2286	0	-20.0	20.0	-0.9655		PASS	-0.9069		PASS	
Cr2677	0	-5.0	5.0	-1.169		PASS	-0.353		PASS	
Cu3247	0	-10.0	10.0	5.288		PASS	8.047		PASS	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	#VALUE!	*N/A	switch to radial
Fe2599R	300000	200000	300000	287400	95.8	PASS	247200	82.4	PASS	
K_7664R	0	-500	500	253.7		PASS	F 2134.		#VALUE!	
Mg2790R	300000	200000	300000	281800	93.9	PASS	254700	84.9	PASS	
Mn2576	0	-5.0	5.0	-0.1097		PASS	-0.5129		PASS	
Na5895R	300000	200000	300000	299100	99.7	PASS	330400	110.1	PASS	
Ni2316	0	-20.0	20.0	-0.2577		PASS	-2.7		PASS	
Pb2203	0	-8.0	8.0	-0.074		PASS	16.51		FAIL	
Sb2068	0	-20.0	20.0	5.906		PASS	14.92		PASS	
Se1960	0	-20.0	20.0	7.471		PASS	14.1		PASS	
Tl1908	0	-20.0	20.0	2.923		PASS	-2.543		PASS	
V_2924	0	-20.0	20.0	-0.6898		PASS	-0.9051		PASS	
Zn2062	0	-20.0	20.0	2.01		PASS	2.076		PASS	
Mo2020	0	-10.0	10.0	-1.265		PASS	-2.163		PASS	
Ti3372	0	-10.0	10.0	1.956		PASS	1.048		PASS	
B_2089	0	-10.0	10.0	-1.822		PASS	-4.168		PASS	
Si2881A	0	-500	500	-2.449		PASS	-10.07		PASS	
Si2881R	0	-500	500	32.84		PASS	28.32		PASS	
Sr3464	0	-10.0	10.0	1.079		PASS	2.213		PASS	
Sn1899	0	-10.0	10.0	-0.7557		PASS	0.4949		PASS	

Dark Area = Elements of Interest

ICAP 6300 QC CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	14 Aug 2011			ug/L	14 Aug 2011	
		18:15:46				18:19:59	
Ag3280	200	200.2	100.1	PASS	5	-0.1432	PASS
Al3082A	5000	4974	99.5	PASS	100	1.49	PASS
Al3082R	5000	4844	96.9	PASS	100	-13.09	PASS
As1890	200	192.1	96.1	PASS	8	1.808	PASS
Ba4554R	200	200.9	100.5	PASS	100	2.277	PASS
Be3131R	200	192.9	96.5	PASS	3	-0.1982	PASS
Ca3179R	5000	4980	99.6	PASS	500	1.504	PASS
Cd2265	200	196.6	98.3	PASS	3	-0.2464	PASS
Co2286	200	192	96.0	PASS	20	0.3034	PASS
Cr2677	200	212.3	106.2	PASS	5	-0.0736	PASS
Cu3247	200	207.7	103.9	PASS	10	0.3503	PASS
Fe2599A	5000	5252	105.0	PASS	50	0.6602	PASS
Fe2599R	5000	5058	101.2	PASS	50	0.4304	PASS
K_7664R	5000	5277	105.5	PASS	500	-256.7	PASS
Mg2790R	5000	4945	98.9	PASS	500	-16.46	PASS
Mn2576	200	208.7	104.4	PASS	5	-0.0698	PASS
Na5895R	5000	5166	103.3	PASS	1000	49.84	PASS
Ni2316	200	196.5	98.3	PASS	20	-0.2562	PASS
Pb2203	200	201.1	100.6	PASS	8	4.136	PASS
Sb2068	200	198.2	99.1	PASS	20	3.397	PASS
Se1960	200	196.6	98.3	PASS	20	1.541	PASS
Tl1908	200	197.2	98.6	PASS	20	-2.21	PASS
V_2924	200	200.6	100.3	PASS	20	-0.6139	PASS
Zn2062	200	195	97.5	PASS	20	-0.0981	PASS
Mo2020	200	196.6	98.3	PASS	10	-0.0798	PASS
Ti3372	200	201	100.5	PASS	10	0.0041	PASS
B_2089	200	200.7	100.4	PASS	10	-2.593	PASS
Si2881A	5000	5036	100.7	PASS	500	-3.97	PASS
Si2881R	5000	4974	99.5	PASS	500	4.083	PASS
Sr3464	200	204.1	102.1	PASS	10	-0.9674	PASS
Sn1899	200	198	99.0	PASS	10	-0.2559	PASS

Dark Area = Elements of Interest

ICAP 6300 QC

CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	14 Aug 2011			ug/L	14 Aug 2011	
		19:09:34				19:13:46	
Ag3280	200	210.5	105.3	PASS	5	-0.2912	PASS
Al3082A	5000	5542	110.8	PASS	100	3.127	PASS
Al3082R	5000	4469	89.4	PASS	100	14.68	PASS
As1890	200	229.2	114.6	PASS	8	7.388	PASS
Ba4554R	200	205.7	102.9	PASS	100	6.446	PASS
Be3131R	200	173.6	86.8	PASS	3	0.1805	PASS
Ca3179R	5000	4645	92.9	PASS	500	1.612	PASS
Cd2265	200	207.3	103.7	PASS	3	0.0197	PASS
Co2286	200	188.5	94.3	PASS	20	-0.1162	PASS
Cr2677	200	215	107.5	PASS	5	-0.0137	PASS
Cu3247	200	213.7	106.9	PASS	10	3.359	PASS
Fe2599A	5000	5326	106.5	PASS	50	-0.6953	PASS
Fe2599R	5000	4907	98.1	PASS	50	-2.554	PASS
K_7664R	5000	F 11230.	#VALUE!	#VALUE!	500	F 3773.	#VALUE!
Mg2790R	5000	4489	89.8	PASS	500	40.58	PASS
Mn2576	200	208.9	104.5	PASS	5	-0.1497	PASS
Na5895R	5000	F 45800.	#VALUE!	#VALUE!	1000	F 25130.	#VALUE!
Ni2316	200	198.2	99.1	PASS	20	-0.1942	PASS
Pb2203	200	221.6	110.8	PASS	8	2.281	PASS
Sb2068	200	211.6	105.8	PASS	20	5.636	PASS
Se1960	200	233.4	116.7	PASS	20	3.587	PASS
Tl1908	200	205.5	102.8	PASS	20	-4.382	PASS
V_2924	200	201.4	100.7	PASS	20	-0.1739	PASS
Zn2062	200	213.5	106.8	PASS	20	-0.2566	PASS
Mo2020	200	198.5	99.3	PASS	10	-0.287	PASS
Ti3372	200	197.7	98.9	PASS	10	-0.3984	PASS
B_2089	200	187.8	93.9	PASS	10	-2.614	PASS
Si2881A	5000	5380	107.6	PASS	500	-4.099	PASS
Si2881R	5000	5008	100.2	PASS	500	41.85	PASS
Sr3464	200	202.1	101.1	PASS	10	-0.125	PASS
Sn1899	200	217.7	108.9	PASS	10	0.4814	PASS

Dark Area = Elements of Interest

ICAP 6300 QC CCV-3 / CCB-3 (ug/L)

ELEMENT	TRUE VALUE	CCV-3	%REC	FLAG	REP. LIMIT	CCB-3	FLAG
	ug/L	14 Aug 2011			ug/L	14 Aug 2011	
		20:02:42				20:06:55	
Ag3280	200	208.8	104.4	PASS	5	-0.6453	PASS
Al3082A	5000	5485	109.7	PASS	100	3.298	PASS
Al3082R	5000	4564	91.3	PASS	100	20.67	PASS
As1890	200	225.8	112.9	PASS	8	F 8.973	#VALUE!
Ba4554R	200	206.7	103.4	PASS	100	5.053	PASS
Be3131R	200	172.9	86.5	PASS	3	0.0268	PASS
Ca3179R	5000	4617	92.3	PASS	500	5.987	PASS
Cd2265	200	206.3	103.2	PASS	3	-0.076	PASS
Co2286	200	189.7	94.9	PASS	20	-0.3497	PASS
Cr2677	200	216	108.0	PASS	5	-0.32	PASS
Cu3247	200	210.8	105.4	PASS	10	2.228	PASS
Fe2599A	5000	5368	107.4	PASS	50	1.285	PASS
Fe2599R	5000	4704	94.1	PASS	50	-3.199	PASS
K_7664R	5000	F 9523.	#VALUE!	#VALUE!	500	F 3242.	#VALUE!
Mg2790R	5000	4472	89.4	PASS	500	5.357	PASS
Mn2576	200	211.1	105.6	PASS	5	-0.0966	PASS
Na5895R	5000	F 35210.	#VALUE!	#VALUE!	1000	F 19580.	#VALUE!
Ni2316	200	198.7	99.4	PASS	20	0.0507	PASS
Pb2203	200	219.9	110.0	PASS	8	-0.8039	PASS
Sb2068	200	201.8	100.9	PASS	20	7.515	PASS
Se1960	200	226.2	113.1	PASS	20	0.3959	PASS
Tl1908	200	205.9	103.0	PASS	20	-2.713	PASS
V_2924	200	201.7	100.9	PASS	20	-0.3774	PASS
Zn2062	200	211.5	105.8	PASS	20	0.1081	PASS
Mo2020	200	198.6	99.3	PASS	10	0.0596	PASS
Ti3372	200	198.6	99.3	PASS	10	-0.1089	PASS
B_2089	200	188	94.0	PASS	10	-1.507	PASS
Si2881A	5000	5304	106.1	PASS	500	-5.745	PASS
Si2881R	5000	4824	96.5	PASS	500	2.91	PASS
Sr3464	200	202.7	101.4	PASS	10	-1.096	PASS
Sn1899	200	214.6	107.3	PASS	10	0.416	PASS

Dark Area = Elements of Interest

ICAP 6300 QC CCV-4 / CCB-4 (ug/L)

ELEMENT	TRUE VALUE	CCV-4	%REC	FLAG	REP. LIMIT	CCB-4	FLAG
	ug/L	14 Aug 2011			ug/L	14 Aug 2011	
		20:55:53				21:00:06	
Ag3280	200	216.1	108.1	PASS	5	-1.076	PASS
Al3082A	5000	5689	113.8	PASS	100	2.207	PASS
Al3082R	5000	4656	93.1	PASS	100	18.74	PASS
As1890	200	226.1	113.1	PASS	8	F 14.45	#VALUE!
Ba4554R	200	214.6	107.3	PASS	100	8.659	PASS
Be3131R	200	171.1	85.6	PASS	3	0.4375	PASS
Ca3179R	5000	4595	91.9	PASS	500	2.006	PASS
Cd2265	200	204.9	102.5	PASS	3	0.0244	PASS
Co2286	200	188	94.0	PASS	20	0.0925	PASS
Cr2677	200	220.5	110.3	PASS	5	1.289	PASS
Cu3247	200	214.9	107.5	PASS	10	3.496	PASS
Fe2599A	5000	5543	110.9	PASS	50	-0.1589	PASS
Fe2599R	5000	4520	90.4	PASS	50	-12.62	PASS
K_7664R	5000	F 13760.	#VALUE!	#VALUE!	500	F 4663.	#VALUE!
Mg2790R	5000	4237	84.7	PASS	500	49.18	PASS
Mn2576	200	215.9	108.0	PASS	5	-0.1239	PASS
Na5895R	5000	F 53380.	#VALUE!	#VALUE!	1000	F 35220.	#VALUE!
Ni2316	200	198.4	99.2	PASS	20	0.5775	PASS
Pb2203	200	222.7	111.4	PASS	8	1.012	PASS
Sb2068	200	208.7	104.4	PASS	20	7.391	PASS
Se1960	200	232.1	116.1	PASS	20	0.5686	PASS
Tl1908	200	204.9	102.5	PASS	20	-5.987	PASS
V_2924	200	205.9	103.0	PASS	20	-0.5424	PASS
Zn2062	200	212.2	106.1	PASS	20	-0.5113	PASS
Mo2020	200	200	100.0	PASS	10	-0.2671	PASS
Ti3372	200	201.7	100.9	PASS	10	-0.6106	PASS
B_2089	200	185.5	92.8	PASS	10	-4.644	PASS
Si2881A	5000	5428	108.6	PASS	500	-1.058	PASS
Si2881R	5000	4720	94.4	PASS	500	36.37	PASS
Sr3464	200	206	103.0	PASS	10	-0.0011	PASS
Sn1899	200	215.8	107.9	PASS	10	-0.0785	PASS

Dark Area = Elements of Interest

ICAP 6300 QC CCV-5 / CCB-5 (ug/L)

ELEMENT	TRUE VALUE	CCV-5	%REC	FLAG	REP. LIMIT	CCB-5	FLAG
	ug/L	14 Aug 2011			ug/L	14 Aug 2011	
		21:44:35				21:48:48	
Ag3280	200	205.3	102.7	PASS	5	-1.213	PASS
Al3082A	5000	5322	106.4	PASS	100	2.127	PASS
Al3082R	5000	4897	97.9	PASS	100	29.12	PASS
As1890	200	208.6	104.3	PASS	8	7.091	PASS
Ba4554R	200	214.3	107.2	PASS	100	5.946	PASS
Be3131R	200	177.4	88.7	PASS	3	0.1613	PASS
Ca3179R	5000	4726	94.5	PASS	500	3.432	PASS
Cd2265	200	202.3	101.2	PASS	3	0.1178	PASS
Co2286	200	192.7	96.4	PASS	20	-0.0457	PASS
Cr2677	200	217.	108.5	PASS	5	-0.9952	PASS
Cu3247	200	210.1	105.1	PASS	10	2.222	PASS
Fe2599A	5000	5417	108.3	PASS	50	0.8364	PASS
Fe2599R	5000	4326	86.5	PASS	50	-7.902	PASS
K_7664R	5000	F 7851.	#VALUE!	#VALUE!	500	F 1272.	#VALUE!
Mg2790R	5000	4383	87.7	PASS	500	25.53	PASS
Mn2576	200	213.8	106.9	PASS	5	-0.097	PASS
Na5895R	5000	F 21500.	#VALUE!	#VALUE!	1000	F 11730.	#VALUE!
Ni2316	200	199.5	99.8	PASS	20	-0.1533	PASS
Pb2203	200	213.1	106.6	PASS	8	0.9016	PASS
Sb2068	200	197	98.5	PASS	20	6.697	PASS
Se1960	200	211.4	105.7	PASS	20	2.216	PASS
Tl1908	200	203.2	101.6	PASS	20	-2.673	PASS
V_2924	200	203.4	101.7	PASS	20	0.2096	PASS
Zn2062	200	205	102.5	PASS	20	-0.1931	PASS
Mo2020	200	198.6	99.3	PASS	10	-0.5057	PASS
Ti3372	200	201.1	100.6	PASS	10	-0.0729	PASS
B_2089	200	190.2	95.1	PASS	10	-2.26	PASS
Si2881A	5000	5172	103.4	PASS	500	-1.674	PASS
Si2881R	5000	4523	90.5	PASS	500	27.04	PASS
Sr3464	200	205.9	103.0	PASS	10	-0.337	PASS
Sn1899	200	208.6	104.3	PASS	10	0.137	PASS

Dark Area = Elements of Interest

ICAP 6300 QC

Aqueous Prep. Blank (PBW) - ug/L

ELEMENT	PBW-1 B19P12	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	14 Aug 2011	ug/L	ug/L	ug/L	
	18:07:10				
Ag3280	-0.6429	5	5	-5	PASS
Al3082A	5.315	100	100	-100	PASS
Al3082R	-19.63	100	100	-100	PASS
As1890	3.265	8	8	-8	PASS
Ba4554R	2.04	100	100	-100	PASS
Be3131R	0.1356	3	3	-3	PASS
Ca3179R	15.71	500	500	-500	PASS
Cd2265	0.0019	3	3	-3	PASS
Co2286	0.2375	20	20	-20	PASS
Cr2677	-0.6483	5	5	-5	PASS
Cu3247	0.6142	5	5	-5	PASS
Fe2599A	4.495	50	50	-50	PASS
Fe2599R	-1.315	50	50	-50	PASS
K_7664R	45.33	500	500	-500	PASS
Mg2790R	15.4	500	500	-500	PASS
Mn2576	0.0332	5	5	-5	PASS
Na5895R	78.02	1000	1000	-1000	PASS
Ni2316	-0.1011	20	20	-20	PASS
Pb2203	6.153	8	8	-8	PASS
Sb2068	9.906	20	20	-20	PASS
Se1960	-1.804	20	20	-20	PASS
Tl1908	-1.09	20	20	-20	PASS
V_2924	-0.4267	20	20	-20	PASS
Zn2062	2.482	20	20	-20	PASS
Mo2020	-0.2562	10	10	-10	PASS
Ti3372	0.0025	10	10	-10	PASS
B_2089	-1.346	10	10	-10	PASS
Si2881A	0.8425	500	500	-500	PASS
Si2881R	-2.395	500	500	-500	PASS
Sr3464	-0.6291	10	10	-10	PASS
Sn1899	0.0058	10	10	-10	PASS

Dark Area = Elements of Interest

ICAP 6300 QC

Aqueous LCS (LCSW) - ug/L

ELEMENT	LCSW-1 B19P12	LCSW-2 B19P12	MEAN	SPIKE LEVEL	RPD	% REC	FLAG
	14 Aug 2011	14 Aug 2011	ug/L	ug/L			
	18:11:33	18:24:23					
Ag3280	211.6	216.5	214.1	200	1.00	94	PASS
Al3082A	5169	5113	5141	5000	1.09	103	PASS
Al3082R	4933	4898	4915.5	5000	0.71	98	PASS
As1890	204.2	210.5	207.4	200	3.04	104	PASS
Ba4554R	208.4	215.1	211.8	200	3.16	106	PASS
Be3131R	203.6	207.7	206	200	1.99	103	PASS
Ca3179R	5099	5094	5096.5	5000	0.10	102	PASS
Cd2265	199	208	203.5	200	4.42	102	PASS
Co2286	200	207.1	203.6	200	3.49	102	PASS
Cr2677	214	219.6	216.8	200	2.58	108	PASS
Cu3247	207.1	213	210	200	2.81	105	PASS
Fe2599A	5366	5334	5350	5000	0.60	107	PASS
Fe2599R	5131	5074	5103	5000	1.12	102	PASS
K_7664R	4092	F 3846.	#VALUE!	5000	#VALUE!	#VALUE!	#VALUE!
Mg2790R	4998	4979	4989	5000	0.38	100	PASS
Mn2576	211.6	218.8	215.2	200	3.35	108	PASS
Na5895R	5307	5232	5269.5	5000	1.42	105	PASS
Ni2316	201.9	208.7	205.3	200	3.31	103	PASS
Pb2203	206.8	214.3	210.6	200	3.56	105	PASS
Sb2068	194.2	204.6	199.4	200	5.22	100	PASS
Se1960	201.9	209.3	205.6	200	3.60	103	PASS
Tl1908	201.6	207	204.3	200	2.64	102	PASS
V_2924	208.9	214.1	211.5	200	2.46	106	PASS
Zn2062	201.8	213	207.4	200	5.40	104	PASS
Mo2020	200.1	206.5	203.3	200	3.15	102	PASS
Ti3372	209.1	214.2	211.7	200	2.41	106	PASS
B_2089	198.3	202.7	200.5	200	2.19	100	PASS
Si2881A	4092	4040	4066	5000	1.28	81	PASS
Si2881R	F 3951.	F 3978.	#VALUE!	5000	#VALUE!	#VALUE!	#VALUE!
Sr3464	207	213.8	210.4	200	3.23	105	PASS
Sn1899	200.5	208.3	204.4	200	3.82	102	PASS

Dark Area = Elements of Interest

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03594	AN03594 MS	SPIKE LEVEL	% REC	FLAG	COMMENTS	QUALIFIER
		14 Aug 2011	14 Aug 2011	ug/L				
		18:28:36	18:33:14					
Ag3280	1.33	-1.799	239.1	200	119.6	PASS		
Al3082A	25.2	40.57	3355	5000	66.3	L		UL
Al3082R	28.2	-56.61	5079	5000	101.6	PASS		
As1890	4.8	8.878	241.2	200	116.2	PASS		
Ba4554R	27.6	24.56 *	240.5	200	120	K	N/A	* ~~below RL~~
Be3131R	1.44	1.175	199.7	200	99.9	PASS		
Ca3179R	133	246400	243100	5000	-66.0	L	N/A	> 1X Spike Level
Cd2265	1.46	-0.0556	201.9	200	101.0	PASS		
Co2286	5.44	-0.2945	196.4	200	98.2	PASS		
Cr2677	2.9	3.287	222.6	200	109.7	PASS		
Cu3247	5.03	6.901	213.5	200	103.3	PASS		
Fe2599A	14.2	223.3	5829	5000	112.1	PASS		
Fe2599R	13.7	202.6	5325	5000	102.4	PASS		
K_7664R	154	330500	353000	5000	450.0	K		
Mg2790R	139	760200	752600	5000	-152.0	L	N/A	> 1X Spike Level
Mn2576	3.04	78.84	298.6	200	109.9	PASS		
Na5895R	274	F 2221000.	F 1634000.	5000	#VALUE!	#######	N/A	
Ni2316	5.43	2.084	202.	200	101.0	PASS		
Pb2203	2.39	7.266	202.3	200	97.5	PASS		
Sb2068	11.2	8.461	213.8	200	106.9	PASS		
Se1960	11.2	2.856	238.5	200	119.3	PASS		
Tl1908	7.58	-1.611	177.6	200	88.8	PASS		
V_2924	5.62	0.7934	218.6	200	109.3	PASS		
Zn2062	5.71	15.44	226.5	200	105.5	PASS		
Mo2020	2.7	6.874	209.8	200	101.5	PASS		
Ti3372	2.91	3.932	215.3	200	105.7	PASS		
B_2089	2.5	2709	2832	200	61.5	L	NA	
Si2881A	40.45	1067	5167	5000	82.0	PASS		
Si2881R	50.5	1116	5244	5000	82.6	PASS		
Sr3464	2.6	4878	5035	200	78.5	L	NA	
Sn1899	2.7	2.259	198.9	200	99.5	PASS		

Dark Area = Elements of Interest

ICAP 6300 QC MS/SDL - % Difference

ELEMENT	MS Value (ug/L) AN03594 MS	SDL Value (ug/L) AN03594 SDL	% Difference	FLAG	COMMENTS	QUALIFIER
	14 Aug 2011	14 Aug 2011				
	18:33:14	18:37:44				
Ag3280	239.1	216.55	9.43	PASS		
Al3082A	3355	3867	-15.26	< -10%	J	UJ (Final Qualifier)
Al3082R	5079	4788.5	5.72	PASS		
As1890	241.2	236.05	2.14	PASS		
Ba4554R	240.5	241.65	-0.48	PASS		
Be3131R	199.7	201.65	-0.98	PASS		
Ca3179R	243100	254850	-4.83	PASS		
Cd2265	201.9	204.9	-1.49	PASS		
Co2286	196.4	197.15	-0.38	PASS		
Cr2677	222.6	219.5	1.39	PASS		
Cu3247	213.5	207.55	2.79	PASS		
Fe2599A	5829	5680	2.56	PASS		
Fe2599R	5325	5275	0.94	PASS		
K_7664R	353000	309700	12.27	J		
Mg2790R	752600	762500	-1.32	PASS		
Mn2576	298.6	292.95	1.89	PASS		
Na5895R	F 1634000.	#VALUE!	#VALUE!	#######		
Ni2316	202	204	-0.99	PASS		
Pb2203	202.3	207.85	-2.74	PASS		
Sb2068	213.8	232.65	-8.82	PASS		
Se1960	238.5	225.65	5.39	PASS		
Tl1908	177.6	169.8	4.39	PASS		
V_2924	218.6	212.4	2.84	PASS		
Zn2062	226.5	231.4	-2.16	PASS		
Mo2020	209.8	207.95	0.88	PASS		
Ti3372	215.3	210.15	2.39	PASS		
B_2089	2832	2819	0.46	PASS		
Si2881A	5167	5070	1.88	PASS		
Si2881R	5244	5100	2.75	PASS		
Sr3464	5035	4976.5	1.16	PASS		
Sn1899	198.9	206.15	-3.65	PASS		

Dark Area = Elements of Interest

ICAP 6300 QC

Aqueous Prep. Blank (PBW) - ug/L

ELEMENT	PBW-2 B19P12	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	14 Aug 2011	ug/L	ug/L	ug/L	
	19:54:10				
Ag3280	-2.877	5	5	-5	PASS
Al3082A	4.992	100	100	-100	PASS
Al3082R	40	100	100	-100	PASS
As1890	F 24.43	8	8	-8	#VALUE!
Ba4554R	13.73	100	100	-100	PASS
Be3131R	2.083	3	3	-3	PASS
Ca3179R	11.99	500	500	-500	PASS
Cd2265	-0.013	3	3	-3	PASS
Co2286	-0.4072	20	20	-20	PASS
Cr2677	-1.182	5	5	-5	PASS
Cu3247	7.095	10	10	-10	PASS
Fe2599A	0.4312	50	50	-50	PASS
Fe2599R	-8.701	50	50	-50	PASS
K_7664R	13410	500	500	-500	FAIL
Mg2790R	55.29	500	500	-500	PASS
Mn2576	-0.198	5	5	-5	PASS
Na5895R	73200	1000	1000	-1000	FAIL
Ni2316	-0.9928	20	20	-20	PASS
Pb2203	3.705	8	8	-8	PASS
Sb2068	12.77	20	20	-20	PASS
Se1960	21.61 *	20	20	-20	FAIL
Tl1908	-5.713	20	20	-20	PASS
V_2924	-1.403	20	20	-20	PASS
Zn2062	0.1815	20	20	-20	PASS
Mo2020	0.1313	10	10	-10	PASS
Ti3372	-0.7145	10	10	-10	PASS
B_2089	-6.922	10	10	-10	PASS
Si2881A	-5.427	500	500	-500	PASS
Si2881R	-21.4	500	500	-500	PASS
Sr3464	0.3518	10	10	-10	PASS
Sn1899	1.544	10	10	-10	PASS

* RL was raised to 2RL

ICAP 6300 QC

Aqueous LCS (LCSW) - ug/L

ELEMENT	LCSW-3 B19P12	LCSW-4 B19P12	MEAN	SPIKE LEVEL	RPD	% REC	FLAG
	14 Aug 2011	14 Aug 2011	ug/L	ug/L			
	19:58:29	20:11:16					
Ag3280	233.9	222.1	228.0	200	1.00	94	PASS
Al3082A	6072	5470	5771	5000	10.43	115	PASS
Al3082R	4582	4967	4774.5	5000	8.06	95	PASS
As1890	F 261.6	216.8	#VALUE!	200	#VALUE!	#VALUE!	#VALUE!
Ba4554R	226.7	218.7	222.7	200	3.59	111	PASS
Be3131R	183.2	196.7	190	200	7.11	95	PASS
Ca3179R	4632	5098	4865.0	5000	9.58	97	PASS
Cd2265	220.3	208.3	214.3	200	5.60	107	PASS
Co2286	198.5	206.3	202.4	200	3.85	101	PASS
Cr2677	220	226.4	223.2	200	2.87	112	PASS
Cu3247	221.4	210.9	216	200	4.86	108	PASS
Fe2599A	5642	5755	5699	5000	1.98	114	PASS
Fe2599R	4932	5054	4993	5000	2.44	100	PASS
K_7664R	F 10720.	F 6840.	#VALUE!	5000	#VALUE!	#VALUE!	#VALUE!
Mg2790R	4378	4867	4623	5000	10.58	92	PASS
Mn2576	216.6	224.9	220.8	200	3.76	110	PASS
Na5895R	F 49840.	F 20010.	#VALUE!	5000	#VALUE!	#VALUE!	#VALUE!
Ni2316	210.2	211.9	211.1	200	0.81	106	PASS
Pb2203	F 246.1	219.9	#VALUE!	200	#VALUE!	#VALUE!	#VALUE!
Sb2068	226.8	203.1	215.0	200	11.03	107	PASS
Se1960	266.1	221.5	243.8	200	18.29	122	K
Tl1908	219.5	207.6	213.6	200	5.57	107	PASS
V_2924	213.9	218.4	216.2	200	2.08	108	PASS
Zn2062	239.1	217.6	228.4	200	9.42	114	PASS
Mo2020	209.1	207	208.1	200	1.01	104	PASS
Ti3372	208.5	215.8	212.2	200	3.44	106	PASS
B_2089	189.9	196.4	N/A	NO SPIKE	N/A	N/A	N/A
Si2881A	4648	4228	N/A	NO SPIKE	N/A	N/A	N/A
Si2881R	4135	F 3934.	N/A	NO SPIKE	N/A	N/A	N/A
Sr3464	207.4	216.6	N/A	NO SPIKE	N/A	N/A	N/A
Sn1899	234.3	215.6	N/A	NO SPIKE	N/A	N/A	N/A

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03609	AN03609 MS	SPIKE LEVEL	% REC	FLAG	COMMENTS	QUALIFIER
		14 Aug 2011	14 Aug 2011	ug/L				
		20:15:30	20:20:03					
Ag3280	1.33	-0.2546 *	241.8	200	120.9	K	N/A	* below RL
Al3082A	25.2	-33.76	3282	5000	65.6	L		UL
Al3082R	28.2	-125.1	4938	5000	98.8	PASS		
As1890	4.8	13.13	250.3	200	118.6	PASS		
Ba4554R	27.6	25.3 *	244.9	200	122.5	K	N/A	* below RL
Be3131R	1.44	1.69	193.5	200	95.9	PASS		
Ca3179R	133	231800	244300	5000	250.0	K	N/A	> 1X Spike Level
Cd2265	1.46	0.018	207.4	200	103.7	PASS		
Co2286	5.44	2.338	200.7	200	100.4	PASS		
Cr2677	2.9	2.39	228	200	114.0	PASS		
Cu3247	5.03	3.618	208.3	200	104.2	PASS		
Fe2599A	14.2	5.351	5750	5000	115.0	PASS		
Fe2599R	13.7	7.708	4873	5000	97.5	PASS		
K_7664R	154	372500	406200	5000	674.0	K		
Mg2790R	139	699200	724100	5000	498.0	K	N/A	> 1X Spike Level
Mn2576	3.04	68.25	296	200	113.9	PASS		
Na5895R	274	F 1437000.	F 1315000.	5000	#VALUE!	#######	N/A	
Ni2316	5.43	2.047	205.4	200	102.7	PASS		
Pb2203	2.39	2.816	213.9	200	105.5	PASS		
Sb2068	11.2	9.44	220.1	200	110.1	PASS		
Se1960	11.2	1.573 *	248.9	200	124.5	K	N/A	* below RL
Tl1908	7.58	-4.421	181.8	200	90.9	PASS		
V_2924	5.62	-0.2607	220.5	200	110.3	PASS		
Zn2062	5.71	12.86	235.3	200	111.2	PASS		
Mo2020	2.7	7.166	211.7	200	102.3	PASS		
Ti3372	2.91	-0.3032	211.1	200	105.6	PASS		
B_2089	2.5	2548	2787	200	119.5	PASS		
Si2881A	40.45	801.6	4937	5000	82.7	PASS		
Si2881R	50.5	810.2	4772	5000	79.2	L		
Sr3464	2.6	4762	5119	200	178.5	K	NA	
Sn1899	2.7	1.371	206.9	200	103.5	PASS		

Dark Area = Elements of Interest

ICAP 6300 QC MS/SDL - % Difference

ELEMENT	MS Value (ug/L) AN03609 MS	SDL Value (ug/L) AN03609 SDL	% Difference	FLAG	COMMENTS	QUALIFIER
	14 Aug 2011	14 Aug 2011				
	20:20:03	20:24:30				
Ag3280	241.8	215.95	10.69	> 10%	J	UJ (Final Qualifier)
Al3082A	3282	3836.5	-16.90	< -10%	J	UJ (Final Qualifier)
Al3082R	4938	4580	7.25	PASS		
As1890	250.3	278.6	-11.31	< -10%		
Ba4554R	244.9	251.45	-2.67	PASS		
Be3131R	193.5	191.85	0.85	PASS		
Ca3179R	244300	247400	-1.27	PASS		
Cd2265	207.4	206.2	0.58	PASS		
Co2286	200.7	199.85	0.42	PASS		
Cr2677	228	219.3	3.82	PASS		
Cu3247	208.3	205.3	1.44	PASS		
Fe2599A	5750	5530	3.83	PASS		
Fe2599R	4873	4747	2.59	PASS		
K_7664R	406200	355400	12.51	J		
Mg2790R	724100	721000	0.43	PASS		
Mn2576	296	286.2	3.31	PASS		
Na5895R	F 1315000.	#VALUE!	#VALUE!	#######		
Ni2316	205.4	202.75	1.29	PASS		
Pb2203	213.9	220.35	-3.02	PASS		
Sb2068	220.1	233.4	-6.04	PASS		
Se1960	248.9	243.9	2.01	PASS		
Tl1908	181.8	170.6	6.16	PASS		
V_2924	220.5	207.5	5.90	PASS		
Zn2062	235.3	230.05	2.23	PASS		
Mo2020	211.7	204.5	3.40	PASS		
Ti3372	211.1	205.05	2.87	PASS		
B_2089	2787	2748	1.40	PASS		
Si2881A	4937	4801.5	2.74	PASS		
Si2881R	4772	4772.5	-0.01	PASS		
Sr3464	5119	5015	2.03	PASS		
Sn1899	206.9	210.85	-1.91	PASS		

Dark Area = Elements of Interest

	Pos ID	Type	Samplename	Comment	Instrument	Method	CorrFact	Check	Check Table	Fail Action
1	1	QC	PBS B19P14		ICAP6300	SOP-C-109	1	☒	PBS	None
2	2	QC	LCSS-1 B19P14		ICAP6300	SOP-C-109	1	☒	LCSS	None
3	3	QC	LCSS-2 B19P14		ICAP6300	SOP-C-109	1	☒	LCSS	None
4	4	Unk	AN03623	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	AN03623 MS	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	AN03623 SDL	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
7	7	Unk	AN03624	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	AN03625	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	QC	PBW-1 B19 P12		ICAP6300	SOP-C-109	1	☒	PBW	None
10	10	QC	LCSW-1 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
11	11	QC	LCSW-2 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
12	12	Unk	AN03594	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
13	13	Unk	AN03594 MS	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
14	14	Unk	AN03594 SDL	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	5	☒	LDR	---
15	15	Unk	AN03595	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
16	16	Unk	AN03596	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
17	17	Unk	AN03597	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
18	18	Unk	AN03598	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
19	19	Unk	AN03599	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
20	20	Unk	AN03600	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
21	21	Unk	AN03601	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
22	22	Unk	AN03602	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
23	23	Unk	AN03603	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
24	24	Unk	AN03604	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
25	25	Unk	AN03605	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
26	26	Unk	AN03606	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
27	27	Unk	AN03607	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
28	28	Unk	AN03608	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
29	29	QC	PBW-2 B19P12		ICAP6300	SOP-C-109	1	☒	PBW	None
30	30	QC	LCSW-3 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
31	31	QC	LCSW-4 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
32	32	Unk	AN03609	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
33	33	Unk	AN03609 MS	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
34	34	Unk	AN03609 SDL	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	5	☒	LDR	---
35	35	Unk	AN03610	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
36	36	Unk	AN03611	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
37	37	Unk	AN03612	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
38	38	Unk	AN03613	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
39	39	Unk	AN03614	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
40	40	Unk	AN03615	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
41	41	Unk	AN03616	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
42	42	Unk	AN03617	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
43	43	Unk	AN03618	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
44	44	Unk	AN03619	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
45	45	Unk	AN03620	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
46	46	Unk	AN03621	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
47	47	Unk	AN03622	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
48	48	Unk	AN03623 X10	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
49	49	Unk	AN03624 X10	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---

SUMMARY - VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	14 Aug 2011 16:52:54	14 Aug 2011 16:57:17	14 Aug 2011 17:01:42	14 Aug 2011 17:06:59	14 Aug 2011 17:11:16	14 Aug 2011 17:15:41	14 Aug 2011 17:20:05	14 Aug 2011 17:24:29
Ag3280	-.0007	.4058	.7864	206.7	.5149	4.854	9.594	-1.280
Al3961A	.0074	3.735	7.184	5114.	3.508	112.1	208.3	^F *****
Al3961R	.0035	.2345	.4644	5045.	-27.50	104.5	159.9	305800.
As1890	.0004	.1651	.3329	199.3	3.391	6.359	15.58	-4.327
Ba4554R	.0129	9.763	19.41	204.3	.6129	98.94	197.4	-.4247
Be3131R	.0016	9.047	17.90	198.5	.4881	2.979	6.130	.4628
Ca3179R	.0049	.6266	1.233	5190.	14.60	501.9	998.8	290700.
Cd2265	.0000	6.823	13.37	199.3	.6836	2.873	5.779	-1.399
Co2286	-.0001	2.105	4.225	196.1	.9465	19.49	39.17	-.9655
Cr2677	.0001	1.372	2.648	216.5	.4124	5.691	10.51	-1.169
Cu3247	.0102	3.947	7.726	214.6	1.130	11.17	21.33	5.288
Fe2599A	.0006	2.999	5.688	5382.	3.742	54.03	105.7	^ *****
Fe2599R	.0006	.4200	.8268	5186.	-1.640	52.33	103.4	287400.
K_7664R	-.0123	.0818	.1761	5377.	33.90	585.6	1052.	253.7
Mg2790R	.0001	.0794	.1585	5065.	8.901	514.0	970.1	281800.
Mn2576	.0001	18.26	35.13	213.1	.7303	5.269	10.45	-.1097
Na5895R	.0034	.4943	.9762	5099.	-16.10	978.9	1988.	299100.
Ni2316	-.0001	1.182	2.356	199.9	.4746	18.87	38.43	-.2577
Pb2203	.0003	.5510	1.095	200.0	-.0808	8.233	13.96	-.0740
Sb2068	.0002	.2237	.4544	204.1	.6696	17.80	38.91	5.906
Se1960	.0002	.1453	.2893	205.0	.5595	19.26	37.82	7.471
Tl1908	-.0002	.2488	.4936	202.5	.9200	19.53	38.51	-2.923
V_2924	-.0005	3.810	7.457	207.5	1.301	20.08	39.44	-.6898
Zn2062	.0010	3.093	6.116	198.2	.9060	20.91	41.81	2.010
Mo2020	-.0001	1.436	2.897	206.3	2.429	10.72	20.40	-1.265
Tl3372	-.0017	10.06	19.65	206.9	.9375	10.31	20.61	1.956
B_2089	-.0001	.6604	1.330	207.5	2.655	10.63	21.09	-1.822
Si2881A	.0058	.7549	1.476	5168.	4.484	521.1	1013.	-2.449
Si2881R	.0003	.1137	.2255	5113.	36.01	517.9	997.9	32.84
Sn1899	.0001	.4387	.8657	203.8	.7404	9.988	20.05	-.7557
Sr3464	-.0004	2.983	5.867	209.2	.3685	10.09	19.85	1.079
Y_2243-A	27750.	27404.	27131.	27813.	28325.	28182.	28223.	26042.
Y_3203-A	44636.	43613.	43941.	43239.	45668.	44875.	45717.	41161.
Y_3600-R	13513.	12714.	12729.	12682.	13627.	14025.	13956.	13562.

SUMMARY - VERTICAL REPORT

	PBS B19P14	LCSS-1 B19P14	LCSS-2 B19P14	AN03623	AN03623 MS	AN03623 SDL	AN03624	AN03625
	14 Aug 2011 17:29:23	14 Aug 2011 17:33:47	14 Aug 2011 17:38:20	14 Aug 2011 17:42:53	14 Aug 2011 17:47:54	14 Aug 2011 17:52:52	14 Aug 2011 17:57:19	14 Aug 2011 18:02:19
Ag3280	.0391	515.1	542.3	-2.814	211.5	41.27	3.979	-.3343
Al3961A	20.67	78980.	79470.	24490.	28340.	6329.	17150.	39800.
Al3961R	16.62	82970.	84380.	28530.	33120.	6487.	19090.	43250.
As1890	3.024	989.9	1056.	1822.	2036.	399.9	72.17	81.46
Ba4554R	-1.443	3099.	3226.	1934.	2166.	423.1	2373.	450.9
Be3131R	-.1192	907.0	943.9	2.478	211.8	41.56	1.423	2.331
Ca3179R	26.85	64540.	62880.	350100.	347300.	70130.	306900.	262600.
Cd2265	-.1484	975.7	1016.	.6129	188.9	39.12	4.448	1.351
Co2286	.2690	1208.	1279.	48.28	240.0	49.72	33.27	40.39
Cr2677	-.4540	936.4	978.7	357.1	555.3	113.1	94.45	226.3
Cu3247	.4559	802.5	829.6	1322.	1508.	302.3	482.7	285.2
Fe2599A	19.18	122300.	129200.	^ *****	^ *****	F 165300.	F 144900.	F 86930.
Fe2599R	17.61	132600.	141600.	F 873000.	F 869400.	186100.	160600.	91510.
K_7664R	-12.06	25140.	26150.	105300.	108800.	21790.	5119.	10470.
Mg2790R	34.07	26380.	27880.	156900.	159800.	32410.	76630.	154500.
Mn2576	-.0740	4267.	4606.	3149.	3357.	688.5	14850.	2493.
Na5895R	185.0	6759.	6969.	39880.	44890.	8908.	41760.	16360.
Ni2316	.3660	990.8	1046.	125.8	318.4	62.51	81.37	118.9
Pb2203	.0437	1341.	1392.	F 180200.	F 180700.	39130.	F 245100.	27570.
Sb2068	.0516	1973.	2105.	57.93	258.9	55.32	28.22	13.01
Se1960	.4347	1882.	1954.	127.4	323.7	66.59	17.21	7.148
Tl1908	-.6503	1595.	1674.	2.812	184.9	39.16	-15.15	-2.624
V_2924	-.1925	1082.	1126.	276.2	478.8	96.13	124.9	126.9
Zn2062	.0016	2638.	2801.	1083.	1268.	268.5	567.2	705.4
Mo2020	.3238	812.2	858.8	94.49	293.3	59.09	20.48	13.03
Ti3372	-.0027	2017.	2006.	1199.	1380.	274.8	1895.	1129.
B_2089	-1.537	1271.	1336.	129.2	319.1	66.56	118.0	36.97
Si2881A	5.056	6457.	6920.	3079.	6774.	1401.	4953.	3432.
Si2881R	14.60	6341.	6998.	3169.	6993.	1384.	5146.	3339.
Sn1899	-.5264	1337.	1423.	86.09	272.2	56.57	187.1	92.05
Sr3464	-.4776	1050.	1068.	2642.	2812.	572.5	1129.	381.8
Y_2243-A	27963.	28652.	28672.	26554.	26538.	28181.	27524.	27518.
Y_3203-A	45306.	44921.	44811.	42594.	42590.	44360.	42966.	43635.
Y_3600-R	13681.	14554.	13975.	13446.	13246.	13101.	12823.	12899.

SUMMARY - VERTICAL REPORT

	PBW-1 B19 P12	LCSW-1 B19P12	CCV	CCB	LCSW-2 B19P12	AN03594	AN03594 MS	AN03594 SDL
	14 Aug 2011 18:07:10	14 Aug 2011 18:11:33	14 Aug 2011 18:15:46	14 Aug 2011 18:19:59	14 Aug 2011 18:24:23	14 Aug 2011 18:28:36	14 Aug 2011 18:33:14	14 Aug 2011 18:37:44
Ag3280	-.6429	211.6	200.2	-.1432	216.5	-1.799	239.1	216.6
Al3961A	5.315	5169.	4974.	1.490	5113.	40.57	3355.	3867.
Al3961R	-19.63	4933.	4844.	-13.09	4898.	F -56.61	5079.	4789.
As1890	3.265	204.2	192.1	1.808	210.5	8.878	241.2	236.1
Ba4554R	2.040	208.4	200.9	2.277	215.1	24.56	240.5	241.7
Be3131R	1356	203.6	192.9	-.1982	207.7	1.175	199.7	201.7
Ca3179R	15.71	5099.	4980.	1.504	5094.	246400.	243100.	254900.
Cd2265	.0019	199.0	196.6	-.2464	208.0	.0556	201.9	204.9
Co2286	.2375	200.0	192.0	.3034	207.1	-.2945	196.4	197.1
Cr2677	-.6483	214.0	212.3	-.0736	219.6	3.287	222.6	219.5
Cu3247	.6142	207.1	207.7	.3503	213.0	6.901	213.5	207.6
Fe2599A	4.495	5366.	5252.	.6602	5334.	223.3	5829.	5678.
Fe2599R	-1.315	5131.	5058.	.4304	5074.	202.6	5325.	5274.
K_7664R	45.33	4092.	5277.	-256.7	F 3846.	330500.	353000.	309700.
Mg2790R	15.40	4998.	4945.	-16.46	4979.	760200.	752600.	762500.
Mn2576	.0332	211.6	208.7	-.0698	218.8	78.84	298.6	292.9
Na5895R	78.02	5307.	5166.	49.84	5232.	F 2221000.	F 1634000.	F 4782000.
Ni2316	-.1011	201.9	196.5	-.2562	208.7	2.084	202.0	204.0
Pb2203	6.153	206.8	201.1	4.136	214.3	7.266	202.3	207.9
Sb2068	9.906	194.2	198.2	3.397	204.8	8.461	213.8	232.6
Se1960	-1.804	201.9	196.6	1.541	209.3	2.856	238.5	225.6
Ti1908	-1.090	201.6	197.2	-2.210	207.0	-1.611	177.6	169.8
V_2924	-.4267	208.9	200.6	-.6139	214.1	.7934	218.6	212.4
Zn2062	2.482	201.8	195.0	-.0981	213.0	15.44	226.5	231.4
Mo2020	-.2562	200.1	196.6	-.0798	206.5	6.874	209.8	207.9
Ti3372	.0025	209.1	201.0	.0041	214.2	3.932	215.3	210.1
B_2089	-1.346	198.3	200.7	-2.593	202.7	2709.	2832.	2819.
Si2881A	.8425	4092.	5036.	-3.970	4040.	1067.	5167.	5069.
Si2881R	-2.395	F 3951.	4974.	4.083	F 3978.	1116.	5244.	5102.
Sn1899	.0058	200.5	198.0	-.2559	208.3	2.259	198.9	206.1
Sr3464	-.6291	207.0	204.1	-.9674	213.8	4878.	5035.	4977.
Y_2243-A	28227.	29027.	27645.	27526.	27158.	21712.	22011.	25580.
Y_3203-A	44027.	44986.	43065.	42796.	42346.	32404.	32455.	38507.
Y_3600-R	12165.	12871.	11973.	12476.	11783.	11247.	11116.	11582.

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	AN03595	AN03596	AN03597	AN03598	AN03599	AN03600	CCV	CCB
	14 Aug 2011 18:42:12	14 Aug 2011 18:46:50	14 Aug 2011 18:51:27	14 Aug 2011 18:56:00	14 Aug 2011 19:00:34	14 Aug 2011 19:05:03	14 Aug 2011 19:09:34	14 Aug 2011 19:13:46
Ag3280	.0896	-.7494	-.9724	-.0363	-.2605	-1.438	210.5	-.2912
Al3961A	-35.03	25.58	-34.69	34.79	-35.46	32.11	5542.	-3.127
Al3961R	F -136.6	F -56.62	F -117.2	-9.136	F -138.5	-26.51	4469.	14.68
As1890	12.92	12.82	13.39	12.82	16.72	19.04	229.2	7.388
Ba4554R	23.47	27.41	26.90	27.96	26.90	26.95	205.7	6.446
Be3131R	1.237	1.708	1.632	1.812	1.888	1.623	173.6	.1805
Ca3179R	242700.	247600.	242700.	238200.	243300.	240900.	4645.	1.612
Cd2265	.0537	.1544	.0555	.0665	.1769	.1168	207.3	.0197
Co2286	1.999	-.0460	1.236	-.5074	2.151	-.1386	188.5	-.1162
Cr2677	2.876	2.430	1.806	2.813	3.447	3.349	215.0	-.0137
Cu3247	4.869	9.869	6.900	5.709	4.123	6.650	213.7	-3.359
Fe2599A	2.718	211.7	5.601	259.5	2.838	247.9	5326.	-.6953
Fe2599R	3.338	188.3	7.246	224.9	-.8996	212.2	4907.	-2.554
K_7664R	345400.	369200.	378700.	382600.	387600.	400200.	F 11230.	F 3773.
Mg2790R	744700.	754200.	725700.	730000.	737500.	734400.	4489.	40.58
Mn2576	65.75	81.75	70.83	85.35	74.59	85.30	208.9	-.1497
Na5895R	F 1544000.	F 1370000.	F 1296000.	F 1270000.	F 1359000.	F 1236000.	F 45800.	F 25130.
Ni2316	2.509	2.056	2.090	1.886	1.851	2.630	198.2	-.1942
Pb2203	3.488	10.16	5.340	8.928	7.016	6.205	221.6	2.281
Sb2068	9.781	5.655	16.39	11.93	13.52	9.816	211.6	5.636
Se1960	8.748	5.355	2.098	5.346	6.633	7.843	233.4	3.587
Ti1908	-2.133	-4.403	-5.673	-4.414	-5.599	-2.810	205.5	-4.382
V_2924	-.0277	-.5081	-.3876	.1770	-.3846	-.7645	201.4	-.1739
Zn2062	13.02	18.84	16.09	13.37	10.98	15.42	213.5	-.2566
Mo2020	7.024	6.463	6.475	6.092	6.523	6.873	198.5	-.2870
Ti3372	-.0482	2.923	-.3269	3.314	-.3576	2.469	197.7	-.3984
B_2089	2596.	2622.	2545.	2551.	2572.	2577.	187.8	-2.614
Si2881A	798.9	1092.	869.5	1187.	917.8	1107.	5380.	-4.099
Si2881R	829.5	1156.	889.9	1243.	976.3	1168.	5008.	41.85
Sn1899	.5162	.4257	.4915	.3570	2.599	3.670	217.7	.4814
Sr3464	4798.	4860.	4787.	4795.	4843.	4870.	202.1	-.1250
Y_2243-A	21092.	20592.	20639.	20973.	20397.	20363.	23824.	25170.
Y_3203-A	31178.	30421.	29719.	30500.	29524.	29625.	35066.	37239.
Y_3600-R	10503.	10023.	9196.5	9496.5	8971.6	9155.4	8042.2	8917.1

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	AN03601	AN03602	AN03603	AN03604	AN03605	AN03606	AN03607	AN03608
	14 Aug 2011 19:18:06	14 Aug 2011 19:22:41	14 Aug 2011 19:27:19	14 Aug 2011 19:31:51	14 Aug 2011 19:36:19	14 Aug 2011 19:40:47	14 Aug 2011 19:45:15	14 Aug 2011 19:49:43
Ag3280	-.6842	-.7695	-.3040	.0666	-.4574	-1.641	-.1242	-.2836
Al3961A	-34.16	25.28	-33.23	72.09	-36.10	122.0	-35.93	14.28
Al3961R	F -163.3	F -50.26	F -137.2	47.41	F -143.0	136.0	F -110.6	-49.91
As1890	9.343	13.52	14.51	15.47	16.83	21.80	15.38	25.17
Ba4554R	24.70	27.79	25.23	27.62	28.91	29.60	30.49	32.11
Be3131R	1.457	2.064	2.270	2.768	2.500	2.767	2.325	2.429
Ca3179R	241000.	239200.	241000.	237500.	235100.	233500.	235900.	227200.
Cd2265	.0635	-.0706	.4334	.0160	.0809	.1479	.0107	-.3074
Co2286	-.0202	-.3901	1.760	-.0825	1.620	1.628	2.055	.0448
Cr2677	2.885	3.298	2.534	4.513	2.446	4.129	2.824	3.029
Cu3247	4.121	6.866	3.538	7.847	5.827	8.035	6.832	8.408
Fe2599A	2.161	234.1	1.994	408.8	9.296	592.0	7.887	197.2
Fe2599R	2.633	206.6	-5.949	343.4	-.1116	502.1	.9334	168.9
K_7664R	356900.	381700.	386700.	416100.	432100.	458100.	486300.	501200.
Mg2790R	731100.	734800.	727500.	712900.	707700.	698500.	702100.	687300.
Mn2576	65.86	84.51	70.32	90.68	71.27	96.55	72.32	75.78
Na5895R	F 1443000.	F 1305000.	F 1261000.	F 1306000.	F 1266000.	F 1258000.	F 1296000.	F 1251000.
Ni2316	1.190	2.687	2.368	2.349	2.019	2.798	1.973	1.810
Pb2203	-.3337	5.572	3.273	5.949	2.516	7.936	5.596	7.365
Sb2068	5.321	2.413	8.020	12.59	4.397	14.87	9.194	16.32
Se1960	1.860	-1.780	.8508	5.196	5.788	1.986	8.754	3.944
Tl1908	-4.167	-4.465	-4.091	-4.618	-7.505	-5.984	-5.315	-7.047
V_2924	-.4023	.4563	-1.065	.2476	-.9276	-.1375	-1.095	-.9583
Zn2062	11.69	14.53	11.99	16.15	12.49	17.75	11.98	15.79
Mo2020	6.677	6.025	7.120	6.494	6.347	6.682	5.302	6.369
Ti3372	-.4077	2.710	-.4667	4.745	-.9398	7.589	-1.219	2.026
B_2089	2586.	2587.	2558.	2518.	2515.	2508.	2531.	2518.
Si2881A	841.5	1089.	853.0	1232.	858.1	1384.	853.2	1034.
Si2881R	894.8	1126.	898.0	1296.	876.5	1447.	902.9	1038.
Sn1899	1.869	.2487	1.080	1.546	1.275	1.533	1.106	2.553
Sr3464	4743.	4877.	4808.	4816.	4840.	4735.	4873.	4714.
Y_2243-A	21051.	20884.	20472.	19772.	19055.	18389.	18509.	17573.
Y_3203-A	31223.	29884.	30627.	28324.	26740.	26587.	25769.	25260.
Y_3600-R	10173.	9660.6	9272.3	8242.3	7883.9	7237.5	7042.6	6624.2

SUMMARY - VERTICAL REPORT

	PBW-2 B19P12	LCSW-3 B19P12	CCV	CCB	LCSW-4 B19P12	AN03609	AN03609 MS	AN03609 SDL
	14 Aug 2011 19:54:10	14 Aug 2011 19:58:29	14 Aug 2011 20:02:42	14 Aug 2011 20:06:55	14 Aug 2011 20:11:16	14 Aug 2011 20:15:30	14 Aug 2011 20:20:03	14 Aug 2011 20:24:30
Ag3280	-2.877	233.9	208.8	-.6453	222.1	-.2546	241.8	215.9
Al3961A	4.992	F 6072.	5485.	3.298	5470.	33.76	3282.	3836.
Al3961R	40.00	4582.	4564.	20.67	4967.	F -125.1	4938.	4580.
As1890	F 24.43	F 261.6	225.8	F 8.973	216.8	13.13	250.3	278.6
Ba4554R	13.73	226.7	206.7	5.053	218.7	25.30	244.9	251.4
Be3131R	2.083	183.2	172.9	.0268	196.7	1.690	193.5	191.8
Ca3179R	11.99	4632.	4617.	5.987	5098.	231800.	244300.	247400.
Cd2265	-.0130	220.3	206.3	-.0760	208.3	.0180	207.4	206.2
Co2286	-.4072	198.5	189.7	.3497	206.3	2.338	200.7	199.9
Cr2677	-1.182	220.0	216.0	-.3200	226.4	2.390	228.0	219.3
Cu3247	7.095	221.4	210.8	2.228	210.9	3.618	208.3	205.3
Fe2599A	4312	5642.	5368.	1.285	5755.	5.351	5750.	5530.
Fe2599R	-8.701	4932.	4704.	-3.199	5054.	7.708	4873.	4747.
K_7664R	F 13410.	F 10720.	F 9523.	F 3242.	F 6840.	372500.	406200.	355400.
Mg2790R	55.29	4378.	4472.	5.357	4867.	699200.	724100.	720800.
Mn2576	-.1980	216.6	211.1	-.0966	224.9	68.25	296.0	286.2
Na5895R	F 73200.	F 49840.	F 35210.	F 19580.	F 20010.	F 1437000.	F 1315000.	F 4565000.
Ni2316	-.9928	210.2	198.7	.0507	211.9	2.047	205.4	202.8
Pb2203	3.705	F 246.1	219.9	-.8039	219.9	2.816	213.9	220.3
Sb2068	12.77	226.8	201.8	7.515	203.1	9.440	220.1	233.4
Se1960	F 21.61	F 266.1	226.2	.3959	221.5	1.573	248.9	243.9
Tl1908	-5.713	219.5	205.9	-2.713	207.6	-4.421	181.8	170.6
V_2924	-1.403	213.9	201.7	-.3774	218.4	-.2607	220.5	207.5
Zn2062	.1815	239.1	211.5	.1081	217.6	12.86	235.3	230.0
Mo2020	.1313	209.1	198.6	.0596	207.0	7.166	211.7	204.5
Ti3372	-.7145	208.5	198.6	-.1089	215.8	-.3032	211.1	205.0
B_2089	-6.922	189.9	188.0	-1.507	196.4	2548.	2787.	2748.
Si2881A	-5.427	4648.	5304.	-5.745	4228.	801.6	4937.	4802.
Si2881R	-21.40	4135.	4824.	2.910	F 3934.	810.2	4772.	4772.
Sn1899	1.544	234.3	214.6	.4160	215.6	1.371	206.9	210.8
Sr3464	.3518	207.4	202.7	-1.096	216.6	4762.	5119.	5017.
Y_2243-A	18898.	21314.	24723.	27270.	28249.	21004.	20554.	24511.
Y_3203-A	26510.	30886.	36464.	39852.	41599.	30807.	29969.	36085.
Y_3600-R	5493.2	6773.9	8294.2	9706.6	10323.	9823.6	9134.2	9597.9

SUMMARY - VERTICAL REPORT

	AN03610	AN03611	AN03612	AN03613	AN03614	AN03615	CCV	CCB
	14 Aug 2011 20:28:58	14 Aug 2011 20:33:27	14 Aug 2011 20:37:57	14 Aug 2011 20:42:26	14 Aug 2011 20:46:55	14 Aug 2011 20:51:25	14 Aug 2011 20:55:53	14 Aug 2011 21:00:06
Ag3280	-1.648	-.7494	-1.198	-.7282	-.9151	-.7272	216.1	-1.076
Al3961A	-2.381	-34.18	199.5	-36.07	63.19	-36.80	5689.	2.207
Al3961R	F -98.60	F -128.7	170.5	F -123.3	-8.651	F -139.1	4656.	18.74
As1890	14.35	19.41	14.88	17.71	18.94	19.28	226.1	F 14.45
Ba4554R	27.21	28.09	30.07	28.21	28.66	30.35	214.6	8.659
Be3131R	1.581	1.281	1.823	2.277	2.136	2.245	171.1	.4375
Ca3179R	234900.	234600.	235600.	233700.	233300.	233100.	4595.	2.006
Cd2265	-.1404	.1435	-.0337	.1441	.0519	.2296	204.9	-.0244
Co2286	.0809	1.044	-.0880	2.700	-.3420	1.655	188.0	.0925
Cr2677	3.736	1.800	5.715	2.590	3.147	2.972	220.5	-1.289
Cu3247	5.025	6.519	7.959	3.886	14.98	7.637	214.9	3.496
Fe2599A	116.8	10.31	863.7	7.224	356.0	4.076	5543.	-.1589
Fe2599R	88.57	4.090	698.3	-.7325	287.0	1.919	4520.	-12.62
K_7664R	406600.	432400.	435600.	423600.	428100.	444700.	F 13760.	F 4663.
Mg2790R	698900.	694100.	687800.	683200.	685500.	681700.	4237.	-49.18
Mn2576	73.55	68.98	103.9	76.36	85.97	73.49	215.9	-.1239
Na5895R	F 1311000.	F 1249000.	F 1336000.	F 1265000.	F 1275000.	F 1311000.	F 53380.	F 35220.
Ni2316	2.291	1.578	3.473	2.440	2.630	2.511	198.4	.5775
Pb2203	6.258	-.1501	10.58	2.182	4.422	2.585	222.7	1.012
Sb2068	8.256	10.25	.5671	8.368	13.30	13.17	208.7	-7.391
Se1960	2.157	2.290	6.468	8.128	1.041	-.6160	232.1	.5686
Tl1908	-5.099	-5.203	-5.329	-4.607	-5.489	-5.402	204.9	-5.987
V_2924	-.1096	-.5420	-.9736	-.0909	.0130	-.0267	205.9	-.5424
Zn2062	15.75	12.44	21.03	12.26	20.74	14.89	212.2	-.5113
Mo2020	6.468	5.885	6.355	6.554	6.285	6.200	200.0	-.2671
Ti3372	1.169	-.2663	10.95	-.1788	4.369	-.4916	201.7	-.6106
B_2089	2550.	2538.	2525.	2539.	2524.	2538.	185.5	-4.644
Si2881A	929.7	826.1	1646.	820.7	1146.	830.0	5428.	-1.058
Si2881R	966.3	827.8	1609.	835.7	1138.	868.0	4720.	36.37
Sn1899	2.021	1.368	1.291	.5061	-.4241	.7691	215.8	-.0785
Sr3464	4783.	4834.	4845.	4791.	4754.	4830.	206.0	-.0011
Y_2243-A	20426.	19876.	19769.	20187.	19353.	19419.	23670.	24739.
Y_3203-A	29564.	28609.	27497.	28631.	28392.	28350.	34336.	36152.
Y_3600-R	8497.3	8110.3	7821.6	8347.8	8020.9	7683.0	7536.5	7852.5

SUMMARY - VERTICAL REPORT

	AN03616	AN03617	AN03618	AN03619	AN03620	AN03621	AN03622	AN03623 X10
	14 Aug 2011 21:04:28	14 Aug 2011 21:08:59	14 Aug 2011 21:13:28	14 Aug 2011 21:17:58	14 Aug 2011 21:22:27	14 Aug 2011 21:26:56	14 Aug 2011 21:31:18	14 Aug 2011 21:35:40
Ag3280	-1.189	-1.209	-1.181	-1.135	-2.451	-1.483	-1.287	-1.364
Al3961A	83.95	-32.24	93.13	32.24	710.3	18.74	4.261	3042.
Al3961R	69.65	F -153.3	61.66	F -75.46	633.3	44.77	13.40	2678.
As1890	20.41	16.05	23.27	15.32	19.87	18.06	15.18	208.8
Ba4554R	28.85	27.55	30.23	28.67	42.40	9.974	9.562	207.4
Be3131R	2.034	1.941	1.769	1.911	1.086	.2101	.5532	.9035
Ca3179R	235700.	235200.	231700.	229200.	5639.	44.47	8.018	32710.
Cd2265	-.0557	.1869	.1029	-.0842	.3386	.1260	.0368	-.1144
Co2286	-.2941	2.338	-.2436	1.447	2.361	-.4780	.0044	4.572
Cr2677	3.346	2.492	3.368	3.903	18.46	-.4073	-.1649	38.46
Cu3247	5.421	5.641	6.486	5.428	27.16	10.86	4.413	132.1
Fe2599A	422.6	8.883	459.5	10.50	18510.	18.59	-1.701	F 94260.
Fe2599R	333.1	-.3682	356.6	3.169	14650.	10.48	-10.30	79560.
K_7664R	426700.	450600.	470200.	481100.	8566.	4772.	3888.	14010.
Mg2790R	688300.	684100.	675200.	662500.	1146.	-53.83	19.20	13770.
Mn2576	87.62	70.32	86.07	67.94	370.8	.1797	-.1033	332.7
Na5895R	F 1362000.	F 1325000.	F 1327000.	F 1321000.	48960.	37040.	31000.	25440.
Ni2316	2.347	1.788	3.188	1.670	23.05	.9991	-.2237	10.22
Pb2203	2.621	2.469	6.486	4.511	1976.	3.309	4.774	21710.
Sb2068	8.632	16.18	7.537	1.679	-1.184	4.555	6.834	10.91
Se1960	5.323	2.214	3.477	5.167	10.72	7.268	8.531	12.39
Tl1908	-4.787	-7.934	-5.436	-7.753	-6.810	-7.905	-6.429	-2.751
V_2924	-.2985	-.2896	-.0521	-.1062	1.246	-.6879	-.9059	26.33
Zn2062	-15.90	12.22	15.58	13.08	53.61	11.05	-.2549	127.3
Mo2020	6.610	6.166	6.079	6.662	3.897	-.4218	-1.002	9.101
Ti3372	5.586	-.2879	5.518	-.8156	20.91	.3993	-.5147	117.0
B_2089	2582.	2584.	2578.	2555.	-2.178	-3.732	-3.603	9.848
Si2881A	1231.	796.0	1259.	817.2	1140.	21.51	3.646	300.0
Si2881R	1216.	831.2	1166.	804.0	961.7	-20.69	33.41	276.5
Sn1899	1.223	2.476	1.355	1.904	2.719	8.703	.9830	9.852
Sr3464	4889.	4813.	4906.	4846.	35.39	-.3970	.4070	271.8
Y_2243-A	20383.	19642.	19185.	18553.	22717.	22971.	23483.	25222.
Y_3203-A	29293.	28857.	26722.	26357.	32678.	33400.	32862.	37198.
Y_3600-R	8217.6	7658.8	7192.5	6953.1	6517.7	6830.4	6950.0	8070.3

SUMMARY - VERTICAL REPORT

	AN03624 X10	CCV	CCB	RL	2RL	IOS
	14 Aug 2011 21:40:08	14 Aug 2011 21:44:35	14 Aug 2011 21:48:48	14 Aug 2011 21:53:08	14 Aug 2011 21:57:29	14 Aug 2011 22:01:53
Ag3280	-.8264	205.3	-1.213	4.314	9.825	-1.769
Al3961A	2051.	5322.	2.127	127.1	231.1	^F *****
Al3961R	1831.	4897.	29.12	124.6	239.5	306400.
As1890	15.49	208.6	7.091	F 15.69	F 23.75	1.906
Ba4554R	256.2	214.3	5.946	112.6	217.2	5.115
Be3131R	.4379	177.4	.1613	2.391	6.154	.5408
Ca3179R	28800.	4726.	3.432	463.6	941.2	275200.
Cd2265	.2307	202.3	.1178	3.090	5.938	-.3599
Co2286	3.711	192.7	-.0457	19.79	39.79	-.9069
Cr2677	10.28	217.0	-.9952	5.599	11.67	-.3530
Cu3247	49.76	210.1	2.222	F 13.61	23.89	8.047
Fe2599A	17630.	5417.	.8364	56.56	114.9	^ *****
Fe2599R	13860.	4326.	-7.902	48.41	84.18	247200.
K_7664R	2877.	F 7851.	F 1272.	F 1615.	F 2178.	F 2134.
Mg2790R	6648.	4383.	25.53	417.9	885.9	254700.
Mn2576	1668.	213.8	-.0970	5.477	11.17	-.5129
Na5895R	22570.	F 21500.	F 11730.	F 11370.	F 10900.	330400.
Ni2316	8.399	199.5	-.1533	19.84	39.80	-2.700
Pb2203	29010.	213.1	.9016	10.26	16.37	F 16.51
Sb2068	7.014	197.0	6.697	23.34	47.25	14.92
Se1960	1.989	211.4	2.216	F 27.11	43.93	14.10
Tl1908	-6.027	203.2	-2.673	18.49	39.29	-2.543
V_2924	11.55	203.4	.2096	20.12	41.03	-.9051
Zn2062	63.97	205.0	-.1931	23.54	45.65	2.076
Mo2020	1.205	198.6	-.5057	9.943	20.04	-2.163
Ti3372	185.5	201.1	-.0729	10.21	20.48	1.048
B_2089	9.834	190.2	-2.260	F 3.844	16.04	-4.168
Si2881A	477.1	5172.	-1.674	545.6	1052.	-10.07
Si2881R	451.1	4523.	27.04	493.3	909.6	28.32
Sn1899	21.70	208.6	.1370	11.32	22.92	.4949
Sr3464	115.9	205.9	-.3370	10.45	21.21	2.213
Y_2243-A	25924.	26550.	27068.	25606.	27078.	24177.
Y_3203-A	37888.	39365.	39307.	37628.	40080.	35951.
Y_3600-R	8318.5	8870.8	9010.3	8229.2	9138.1	8561.2

Sample Name: Blank Acquired: 8/14/2011 16:52:54 Type: Cal
Method: PROMIUM(v13) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0007**	**.0074**	**.0035**	**.0004**	**.0129**	**.0016**	**.0049**	**.0000**	**-.0001**	**.0001**	**.0102**
Stddev	.0003	.0010	.0005	.0000	.0013	.0006	.0002	.0001	.0001	.0001	.0003
%RSD	41.36	13.73	14.86	4.946	10.19	33.86	4.344	841.1	158.1	129.6	3.072
#1	-.0004	.0076	.0029	.0004	.0144	.0011	.0048	.0000	-.0001	.0000	.0106
#2	-.0007	.0063	.0038	.0004	.0127	.0015	.0051	.0001	-.0002	.0001	.0099
#3	-.0010	.0082	.0039	.0003	.0117	.0022	.0047	-.0001	.0001	.0000	.0102

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0006**	**.0006**	**-.0123**	**.0001**	**.0001**	**.0034**	**-.0001**	**.0003**	**.0002**	**.0002**	**-.0002**
Stddev	.0003	.0001	.0011	.0002	.0001	.0019	.0001	.0003	.0002	.0001	.0000
%RSD	49.65	24.14	8.709	207.6	95.97	57.69	57.55	81.85	127.6	36.75	2.522
#1	.0005	.0005	-.0136	.0004	.0003	.0048	.0000	.0000	.0004	.0003	-.0002
#2	.0009	.0005	-.0116	-.0001	.0001	.0012	-.0002	.0004	.0001	.0001	-.0002
#3	.0003	.0007	-.0118	.0001	.0000	.0041	-.0001	.0006	.0000	.0003	-.0002

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0005**	**.0010**	**-.0001**	**-.0017**	**-.0001**	**.0058**	**.0003**	**-.0004**	**.0001**
Stddev	.0004	.0001	.0002	.0006	.0001	.0001	.0003	.0005	.0000
%RSD	89.13	13.41	233.3	35.15	85.30	1.770	106.5	122.3	19.30
#1	-.0010	.0011	.0001	-.0020	-.0001	.0058	.0005	.0001	.0001
#2	-.0003	.0009	.0000	-.0010	.0000	.0059	-.0001	-.0008	.0001
#3	-.0002	.0009	-.0004	-.0021	-.0002	.0057	.0004	-.0004	.0002

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27750.**	**44636.**	**13513.**
Stddev	76.	754.	319.
%RSD	.27207	1.6887	2.3600
#1	27803.	44647.	13847.
#2	27664.	43877.	13212.
#3	27783.	45384.	13481.

Sample Name: MID STD Acquired: 8/14/2011 16:57:17 Type: Cal
Method: PROMIUM(v13) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4058**	**3.735**	**.2345**	**.1651**	**9.763**	**9.047**	**.6266**	**6.823**	**2.105**	**1.372**	**3.947**
Stddev	.0010	.018	.0032	.0012	.104	.047	.0065	.045	.003	.002	.006
%RSD	.2538	.4677	1.354	.7349	1.066	.5139	1.040	.6600	.1617	.1582	.1448
#1	.4066	3.755	.2311	.1644	9.657	9.100	.6195	6.803	2.106	1.369	3.940
#2	.4060	3.727	.2350	.1644	9.768	9.028	.6279	6.792	2.101	1.374	3.951
#3	.4046	3.723	.2374	.1665	9.865	9.013	.6323	6.875	2.108	1.372	3.950

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.999**	**.4200**	**.0818**	**.0794**	**18.26**	**.4943**	**1.182**	**.5510**	**.2237**	**.1453**	**.2488**
Stddev	.016	.0020	.0044	.0003	.17	.0030	.001	.0020	.0017	.0003	.0017
%RSD	.5356	.4692	5.434	.3202	.9532	.6028	.0995	.3556	.7728	.2135	.6968
#1	3.016	.4221	.0769	.0797	18.46	.4910	1.182	.5492	.2227	.1450	.2484
#2	2.996	.4183	.0831	.0792	18.17	.4952	1.181	.5508	.2228	.1452	.2474
#3	2.984	.4195	.0855	.0794	18.15	.4968	1.183	.5531	.2257	.1456	.2508

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.810**	**3.093**	**1.436**	**10.06**	**.6604**	**.7549**	**.1137**	**2.983**	**.4387**
Stddev	.017	.028	.003	.08	.0019	.0028	.0017	.007	.0023
%RSD	.4565	.9057	.1899	.8418	.2827	.3736	1.467	.2316	.5315
#1	3.792	3.078	1.437	10.04	.6618	.7523	.1118	2.990	.4378
#2	3.827	3.076	1.433	10.15	.6583	.7545	.1147	2.984	.4369
#3	3.812	3.125	1.439	9.979	.6612	.7579	.1146	2.976	.4413

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27404.**	**43613.**	**12714.**
Stddev	228.	420.	351.
%RSD	.83227	.96189	2.7568
#1	27552.	43375.	13117.
#2	27519.	43366.	12549.
#3	27141.	44097.	12476.

Sample Name: HIGH STD Acquired: 8/14/2011 17:01:42 Type: Cal
Method: PROMIUM(v13) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7864**	**7.184**	**.4644**	**.3329**	**19.41**	**17.90**	**1.233**	**13.37**	**4.225**	**2.648**	**7.726**
Stddev	.0072	.082	.0035	.0018	.12	.30	.012	.14	.016	.038	.036
%RSD	.9171	1.135	.7492	.5349	.6192	1.652	.9359	1.077	.3708	1.436	.4700
#1	.7916	7.202	.4677	.3350	19.52	18.17	1.245	13.49	4.243	2.630	7.714
#2	.7781	7.095	.4608	.3316	19.28	17.94	1.222	13.21	4.215	2.622	7.767
#3	.7893	7.255	.4647	.3322	19.41	17.59	1.233	13.42	4.217	2.691	7.697

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.688**	**.8268**	**.1761**	**.1585**	**35.13**	**.9762**	**2.356**	**1.095**	**.4544**	**.2893**	**.4936**
Stddev	.155	.0032	.0037	.0005	.76	.0019	.003	.003	.0054	.0003	.0024
%RSD	2.722	.3879	2.096	.2934	2.152	.1910	.1296	.2332	1.178	.1067	.4844
#1	5.546	.8231	.1757	.1584	35.55	.9740	2.359	1.092	.4606	.2890	.4961
#2	5.665	.8284	.1726	.1580	34.26	.9772	2.353	1.096	.4506	.2893	.4933
#3	5.853	.8289	.1800	.1590	35.59	.9773	2.355	1.097	.4522	.2896	.4914

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.457**	**6.116**	**2.897**	**19.65**	**1.330**	**1.476**	**.2255**	**5.867**	**.8657**
Stddev	.062	.014	.006	.39	.011	.010	.0028	.033	.0003
%RSD	.8342	.2304	.1999	1.975	.8587	.6913	1.230	.5599	.0362
#1	7.419	6.130	2.903	19.48	1.343	1.485	.2282	5.892	.8661
#2	7.423	6.102	2.894	19.38	1.323	1.465	.2226	5.830	.8656
#3	7.529	6.115	2.893	20.09	1.324	1.477	.2257	5.880	.8654

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27131.**	**43941.**	**12729.**
Stddev	197.	511.	195.
%RSD	.72428	1.1627	1.5355
#1	26925.	43965.	12539.
#2	27153.	44439.	12930.
#3	27316.	43419.	12718.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	-0.000700	0.000797	0.000000	1.000000	0.999883	0.592197	1.776591	5.921969
Al 396.152 { 85}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.007406	0.000713	0.000000	1.000000	0.999836	2.260117	6.780352	22.601175
Al 396.152 { 85}2	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.003545	0.000044	0.000000	1.000000	0.999999	0.135428	0.406283	1.354278
As 189.042 {478}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.000362	0.000033	0.000000	1.000000	0.999991	0.526568	1.579705	5.265683
Ba 455.403 { 74}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.012962	0.001943	0.000000	1.000000	0.999997	0.318911	0.956732	3.189106
Be 313.107 {108}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.001672	0.001795	0.000000	1.000000	0.999987	0.619605	1.858815	6.196049
Ca 317.933 {106}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.004873	0.000123	0.000000	1.000000	0.999983	0.704546	2.113637	7.045456
Cd 226.502 {449}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.000061	0.001347	0.000000	1.000000	0.999955	1.166373	3.499119	11.663730
Co 228.616 {447}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	-0.000085	0.000422	0.000000	1.000000	0.999999	0.205135	0.615406	2.051355
Cr 267.716 {126}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.000074	0.000268	0.000000	1.000000	0.999858	2.061240	6.183720	20.612401
Cu 324.754 {104}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.010256	0.000779	0.000000	1.000000	0.999954	1.169311	3.507934	11.693114
Fe 259.940 {130}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.000610	0.000580	0.000000	1.000000	0.999683	3.078376	9.235129	30.783763
Fe 259.940 {130}2	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.000579	0.000083	0.000000	1.000000	0.999975	0.871592	2.614777	8.715922
K 766.490 { 44}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	-0.012329	0.000019	0.000000	1.000000	1.000000	0.053243	0.159728	0.532426
Mg 279.079 {121}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.000118	0.000016	0.000000	1.000000	1.000000	0.085217	0.255652	0.852172
Mn 257.610 {131}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.000364	0.003559	0.000000	1.000000	0.999831	2.250182	6.750545	22.501816
Na 589.592 { 57}	8/14/2011 17:06:51	8/14/2011 17:06:51	Linear	1/Conc	0.003364	0.000098	0.000000	1.000000	0.999990	0.539042	1.617126	5.390419
Ni 231.604 {445}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	-0.000112	0.000236	0.000000	1.000000	0.999998	0.222043	0.666128	2.220425
Pb 220.353 {453}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	0.000342	0.000110	0.000000	1.000000	0.999995	0.368880	1.106641	3.688803
Sb 206.833 {463}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	0.000152	0.000046	0.000000	1.000000	0.999972	0.899604	2.698812	8.996039
Se 196.090 {472}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	0.000243	0.000029	0.000000	1.000000	0.999999	0.204289	0.612868	2.042894
Tl 190.856 {477}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	-0.000207	0.000050	0.000000	1.000000	0.999992	0.500535	1.501604	5.005348
V 292.402 {115}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	-0.000450	0.000752	0.000000	1.000000	0.999948	1.252869	3.758607	12.528691
Zn 206.200 {463}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	0.000989	0.000614	0.000000	1.000000	0.999986	0.649983	1.949950	6.499834
Mo 202.030 {467}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	-0.000110	0.000289	0.000000	1.000000	0.999992	0.480294	1.440883	4.802943
Ti 337.280 {100}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	-0.001631	0.001981	0.000000	1.000000	0.999938	1.362649	4.087946	13.626486
B 208.959 {461}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	-0.000127	0.000126	0.000000	1.000000	0.999995	0.396888	1.190665	3.968883
Si 288.158 {117}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	0.005803	0.000147	0.000000	1.000000	0.999959	1.115646	3.346938	11.156461
Si 288.158 {117}2	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	0.000292	0.000023	0.000000	1.000000	0.999995	0.400422	1.201267	4.004225
Sr 346.446 { 97}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	-0.000362	0.000590	0.000000	1.000000	0.999968	0.979435	2.938306	9.794354
Sn 189.989 {477}	8/14/2011 17:06:52	8/14/2011 17:06:52	Linear	1/Conc	0.000132	0.000087	0.000000	1.000000	0.999981	0.760535	2.281604	7.605346
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/14/2011 17:06:59 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.7**	**5114.**	**5045.**	**199.3**	**204.3**	**198.5**	**5190.**	**199.3**	**196.1**	**216.5**	**214.6**
Stddev	1.5	41.	24.	2.8	1.2	.9	23.	1.8	1.4	.8	1.4
%RSD	.7290	.8016	.4742	1.423	.5693	.4554	.4406	.9072	.7121	.3795	.6569
#1	205.2	5079.	5065.	201.3	204.1	199.4	5178.	199.1	197.2	216.2	213.0
#2	208.2	5159.	5050.	200.5	205.5	197.6	5217.	201.3	196.4	217.4	215.0
#3	206.6	5106.	5019.	196.0	203.2	198.4	5177.	197.7	194.5	215.8	215.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5382.**	**5186.**	**5377.**	**5065.**	**213.1**	**5099.**	**199.9**	**200.0**	**204.1**	**205.0**	**202.5**
Stddev	33.	24.	60.	52.	1.2	11.	.8	.9	3.1	5.2	1.4
%RSD	.6141	.4588	1.112	1.024	.5436	.2253	.3951	.4264	1.531	2.529	.6728
#1	5385.	5201.	5343.	5120.	213.2	5102.	200.7	201.0	202.1	206.5	202.0
#2	5413.	5198.	5342.	5058.	214.1	5086.	199.6	199.6	207.7	209.3	201.4
#3	5347.	5158.	5446.	5017.	211.8	5108.	199.2	199.5	202.6	199.3	204.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**207.5**	**198.2**	**206.3**	**206.9**	**207.5**	**5168.**	**5113.**	**209.2**	**203.8**
Stddev	.5	1.8	1.4	.5	1.9	37.	38.	1.6	1.1
%RSD	.2273	.9062	.6820	.2555	.9112	.7078	.7341	.7582	.5374
#1	207.0	198.5	207.1	207.0	208.1	5136.	5156.	210.3	202.6
#2	207.9	199.8	207.1	207.4	209.0	5208.	5086.	209.8	204.3
#3	207.4	196.3	204.7	206.3	205.4	5161.	5097.	207.4	204.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27813.**	**43239.**	**12682.**
Stddev	269.	653.	277.
%RSD	.96633	1.5113	2.1837
#1	27928.	43977.	12739.
#2	27505.	42731.	12381.
#3	28005.	43010.	12926.

Sample Name: ICB Acquired: 8/14/2011 17:11:16 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5149**	**3.508**	**-27.50**	**3.391**	**.6129**	**.4881**	**14.60**	**.6836**	**.9465**	**.4124**	**1.130**
Stddev	.8070	.883	21.73	1.247	.6712	.8336	2.93	.2551	.2446	.1053	.653
%RSD	156.7	25.16	79.01	36.78	109.5	170.8	20.04	37.32	25.85	25.53	57.80
#1	1.141	4.055	-31.00	2.857	.4065	1.421	11.81	.9446	1.191	.4867	1.825
#2	.7993	2.490	-47.28	4.816	.0692	.2261	17.65	.4348	.9461	.2919	.5281
#3	-.3958	3.978	-4.239	2.499	1.363	-.1830	14.35	.6712	.7021	.4585	1.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.742**	**-1.640**	**33.90**	**8.901**	**.7303**	**-16.10**	**.4746**	**-.0808**	**.6696**	**-.5595**	**.9200**
Stddev	.931	2.021	91.37	26.74	.0458	1.49	.2399	2.016	6.192	3.356	1.747
%RSD	24.89	123.3	269.5	300.4	6.272	9.251	50.54	2496.	924.8	599.9	189.9
#1	4.668	.4752	127.1	13.05	.7528	-15.54	.2284	2.229	7.629	.6214	2.749
#2	3.754	-1.842	30.18	-19.67	.7604	-17.79	.4879	-.9873	-4.230	-4.347	.7429
#3	2.805	-3.552	-55.55	33.33	.6776	-14.97	.7076	-1.484	-1.390	2.047	-.7316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.301**	**.9060**	**2.429**	**.9375**	**2.655**	**4.484**	**36.01**	**.3685**	**.7404**
Stddev	.255	.0586	.692	.1640	.921	2.444	22.94	.2605	1.327
%RSD	19.55	6.468	28.50	17.50	34.68	54.51	63.71	70.71	179.2
#1	1.356	.8383	3.072	.7528	3.699	7.187	9.563	.6491	1.659
#2	1.524	.9393	2.517	.9937	1.957	2.431	50.51	.1343	1.343
#3	1.024	.9403	1.696	1.066	2.310	3.833	47.97	.3221	-.7807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28325.**	**45668.**	**13627.**
Stddev	152.	27.	93.
%RSD	.53811	.05936	.68395
#1	28320.	45637.	13625.
#2	28175.	45690.	13722.
#3	28480.	45676.	13535.

Sample Name: RL Acquired: 8/14/2011 17:15:41 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.854**	**112.1**	**104.5**	**6.359**	**98.94**	**2.979**	**501.9**	**2.873**	**19.49**	**5.691**	**11.17**
Stddev	.335	.5	22.6	1.411	.71	.441	4.9	.303	.30	.229	.63
%RSD	6.901	.4031	21.60	22.18	.7182	14.79	.9758	10.55	1.521	4.015	5.635
#1	4.570	111.8	105.7	6.218	99.49	3.329	502.2	3.032	19.67	5.821	11.89
#2	5.223	111.9	81.32	5.024	98.14	2.484	496.9	2.523	19.66	5.826	10.78
#3	4.769	112.6	126.4	7.835	99.20	3.123	506.6	3.063	19.15	5.427	10.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**54.03**	**52.33**	**585.6**	**514.0**	**5.269**	**978.9**	**18.87**	**8.233**	**17.80**	**19.26**	**19.53**
Stddev	.26	.51	45.2	15.1	.048	12.9	.54	2.048	2.49	4.73	1.23
%RSD	.4719	.9779	7.724	2.933	.9022	1.322	2.869	24.87	14.01	24.56	6.279
#1	54.33	52.88	622.6	522.1	5.282	969.1	18.54	7.149	18.09	13.97	20.61
#2	53.92	52.25	599.0	523.3	5.309	974.0	19.50	6.956	20.13	20.74	18.20
#3	53.85	51.87	535.2	496.6	5.216	993.5	18.58	10.60	15.17	23.07	19.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.08**	**20.91**	**10.72**	**10.31**	**10.63**	**521.1**	**517.9**	**10.09**	**9.988**
Stddev	.23	.12	.16	.10	.70	3.6	4.7	.61	.538
%RSD	1.124	.5928	1.465	.9806	6.597	.6888	.9097	6.031	5.389
#1	20.12	21.04	10.67	10.38	10.17	523.6	523.2	10.68	10.57
#2	20.28	20.80	10.59	10.19	10.28	517.0	516.5	9.468	9.900
#3	19.84	20.87	10.89	10.34	11.44	522.7	514.1	10.12	9.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28182.**	**44875.**	**14025.**
Stddev	82.	364.	66.
%RSD	.29154	.81022	.47178
#1	28117.	45294.	14092.
#2	28274.	44687.	14022.
#3	28156.	44643.	13960.

Sample Name: 2RL Acquired: 8/14/2011 17:20:05 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.594**	**208.3**	**159.9**	**15.58**	**197.4**	**6.130**	**998.8**	**5.779**	**39.17**	**10.51**	**21.33**
Stddev	.592	2.4	17.8	4.29	.7	.299	14.2	.159	.27	.05	.33
%RSD	6.171	1.174	11.12	27.56	.3784	4.876	1.422	2.746	.6979	.5163	1.544
#1	9.959	209.2	179.5	20.54	197.4	6.391	1008.	5.707	39.28	10.54	21.00
#2	9.913	205.6	155.2	13.03	196.6	6.195	1005.	5.669	39.37	10.45	21.33
#3	8.911	210.3	144.9	13.17	198.1	5.804	982.5	5.961	38.86	10.55	21.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**105.7**	**103.4**	**1052.**	**970.1**	**10.45**	**1988.**	**38.43**	**13.96**	**38.91**	**37.82**	**38.51**
Stddev	1.3	5.2	54.	15.4	.08	17.	.45	2.26	2.32	4.12	2.06
%RSD	1.188	5.051	5.101	1.589	.7611	.8365	1.179	16.22	5.969	10.88	5.356
#1	106.9	108.2	1091.	972.5	10.46	1971.	38.31	14.11	38.65	33.14	38.05
#2	104.4	97.80	1073.	984.2	10.52	2005.	38.93	16.14	41.36	39.49	40.77
#3	105.7	104.2	990.6	953.6	10.36	1987.	38.05	11.62	36.73	40.85	36.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39.44**	**41.81**	**20.40**	**20.61**	**21.09**	**1013.**	**997.9**	**19.85**	**20.05**
Stddev	.44	.12	.23	.34	1.07	13.	34.7	.85	.86
%RSD	1.105	.2780	1.137	1.640	5.054	1.317	3.478	4.268	4.279
#1	39.89	41.77	20.51	20.94	22.28	1019.	971.9	18.90	20.65
#2	39.02	41.72	20.55	20.26	20.22	997.3	984.6	20.53	20.43
#3	39.41	41.94	20.13	20.63	20.77	1022.	1037.	20.11	19.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28223.**	**45717.**	**13956.**
Stddev	260.	405.	136.
%RSD	.92069	.88528	.97706
#1	28208.	45276.	13807.
#2	27971.	46072.	13985.
#3	28490.	45802.	14075.

Sample Name: IOS Acquired: 8/14/2011 17:24:29 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.280	^F *****	305800.	-4.327	-.4247	.4628	290700.	-1.399	-.9655	-1.169	5.288
Stddev	.417	-----	1074.	4.161	.5835	.1089	767.	.266	.1713	.527	.551
%RSD	32.57	-----	.3513	96.18	137.4	23.53	.2638	19.05	17.74	45.08	10.41
#1	-1.443	^ -----	304600.	-7.810	-.7245	.3381	291000.	-1.615	-.7881	-1.412	4.658
#2	-1.590	^ -----	306400.	-5.451	-.7975	.5390	289900.	-1.101	-1.130	-.5643	5.527
#3	-.8061	^ -----	306500.	.2815	.2477	.5112	291300.	-1.480	-.9786	-1.530	5.679
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	287400.	253.7	281800.	-.1097	299100.	-.2577	-.0740	5.906	7.471	2.923
Stddev	-----	5367.	38.2	89.	.0807	1476.	.8091	1.149	3.876	3.955	.659
%RSD	-----	1.867	15.07	.0317	73.56	.4933	314.0	1552.	65.63	52.94	22.55
#1	^ -----	292000.	285.9	281900.	-.0967	297500.	-.5704	-.0570	5.734	11.92	2.332
#2	^ -----	281500.	263.8	281700.	-.0362	300200.	-.8637	1.066	2.118	4.348	2.803
#3	^ -----	288800.	211.4	281700.	-.1960	299700.	.6611	-1.231	9.864	6.146	3.634
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6898	2.010	-1.265	1.956	-1.822	-2.449	32.84	1.079	-.7557
Stddev	.2008	.024	.229	.226	.944	1.953	14.33	.630	.9497
%RSD	29.12	1.205	18.13	11.53	51.78	79.73	43.64	58.38	125.7
#1	-.5686	1.993	-1.063	2.211	-.8663	-.9413	25.79	1.611	.3372
#2	-.9216	2.038	-1.217	1.878	-1.847	-4.656	23.39	1.242	-1.224
#3	-.5791	1.999	-1.514	1.780	-2.753	-1.751	49.33	.3833	-1.380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	26042.	41161.	13562.
Stddev	147.	825.	105.
%RSD	.56482	2.0048	.77383
#1	25954.	41664.	13633.
#2	25960.	40209.	13610.
#3	26212.	41611.	13441.

Sample Name: PBW-1 B19 P12 Acquired: 8/14/2011 18:07:10 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6429**	**5.315**	**-19.63**	**3.265**	**2.040**	**.1356**	**15.71**	**.0019**	**.2375**	**-.6483**	**.6142**
Stddev	.8588	1.123	8.69	2.270	.362	.3781	9.61	.0562	.2215	.8777	.5060
%RSD	133.6	21.13	44.29	69.52	17.72	278.9	61.13	2952.	93.27	135.4	82.39
#1	-1.057	5.161	-26.08	.7496	1.856	.4977	22.55	.0616	.1521	-.2542	1.164
#2	.3445	6.507	-23.06	3.886	1.808	-.2567	19.86	-.0061	.4891	-.0367	.1682
#3	-1.216	4.277	-9.742	5.160	2.457	.1658	4.731	-.0499	.0714	-1.654	.5103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.495**	**-1.315**	**45.33**	**15.40**	**.0332**	**78.02**	**-.1011**	**6.153**	**9.906**	**-1.804**	**-1.090**
Stddev	1.336	1.290	155.6	17.63	.0187	31.98	.5020	.951	5.799	6.594	1.679
%RSD	29.72	98.10	343.2	114.5	56.44	40.99	496.4	15.46	58.54	365.5	154.0
#1	5.900	.1736	-82.61	31.32	.0427	41.09	.4446	5.800	10.64	-5.205	-2.467
#2	4.346	-2.013	.1276	-3.540	.0116	96.27	-.2048	7.230	3.775	5.796	-1.585
#3	3.240	-2.105	218.5	18.41	.0453	96.68	-.5432	5.429	15.30	-6.003	.7808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4267**	**2.482**	**-.2562**	**.0025**	**-1.346**	**.8425**	**-2.395**	**-.6291**	**.0058**
Stddev	.1733	.037	.5372	.1299	.565	2.921	36.77	.6773	.2683
%RSD	40.62	1.490	209.7	5221.	41.97	346.7	1535.	107.7	4613.
#1	-.3282	2.440	-.7235	.1316	-1.074	-1.884	3.754	-.0002	.1208
#2	-.3250	2.511	.3307	-.1283	-.9683	.4871	-41.85	-1.346	.1974
#3	-.6268	2.495	-.3758	.0041	-1.995	3.925	30.92	-.5408	-.3008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28227.**	**44027.**	**12165.**
Stddev	144.	353.	221.
%RSD	.51083	.80099	1.8163
#1	28194.	43745.	11946.
#2	28102.	43913.	12162.
#3	28385.	44422.	12388.

Sample Name: LCSW-1 B19P12 Acquired: 8/14/2011 18:11:33 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**211.6**	**5169.**	**4933.**	**204.2**	**208.4**	**203.6**	**5099.**	**199.0**	**200.0**	**214.0**	**207.1**
Stddev	.9	30.	20.	4.1	.2	1.1	13.	.9	.3	1.3	1.3
%RSD	.4316	.5897	.4133	1.994	.0767	.5575	.2590	.4540	.1419	.6178	.6284
#1	212.2	5197.	4950.	208.2	208.5	204.7	5114.	198.0	200.3	215.5	208.4
#2	212.1	5136.	4911.	204.3	208.3	202.4	5094.	199.1	199.8	213.6	207.1
#3	210.6	5173.	4939.	200.0	208.6	203.6	5089.	199.8	199.8	212.9	205.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5366.**	**5131.**	**4092.**	**4998.**	**211.6**	**5307.**	**201.9**	**206.8**	**194.2**	**201.9**	**201.6**
Stddev	27.	40.	120.	25.	.8	27.	.7	2.3	.8	2.3	.8
%RSD	.5101	.7789	2.934	.4976	.3862	.5003	.3433	1.097	.4073	1.121	.3923
#1	5394.	5177.	4227.	5011.	212.5	5331.	202.6	204.6	194.9	200.0	201.1
#2	5366.	5103.	3996.	4970.	211.5	5279.	201.8	209.2	194.4	201.2	201.1
#3	5339.	5113.	4055.	5014.	210.9	5313.	201.2	206.6	193.3	204.4	202.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**208.9**	**201.8**	**200.1**	**209.1**	**198.3**	**4092.**	F **3951.**	**207.0**	**200.5**
Stddev	.5	.9	.7	.4	1.1	21.	11.	.7	1.7
%RSD	.2445	.4551	.3739	.1853	.5361	.5210	.2875	.3612	.8680
#1	209.3	200.8	201.0	209.6	198.8	4115.	3941.	207.8	198.5
#2	209.1	202.0	199.8	209.0	199.0	4089.	3963.	206.3	201.3
#3	208.3	202.6	199.7	208.8	197.1	4073.	3950.	206.9	201.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							5000.		
Range							-20.00%		

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29027.**	**44986.**	**12871.**
Stddev	52.	490.	85.
%RSD	.17849	1.0892	.65671
#1	28971.	45251.	12952.
#2	29038.	45286.	12876.
#3	29073.	44420.	12784.

Sample Name: CCV Acquired: 8/14/2011 18:15:46 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.2**	**4974.**	**4844.**	**192.1**	**200.9**	**192.9**	**4980.**	**196.6**	**192.0**	**212.3**	**207.7**
Stddev	3.5	72.	4.	3.0	1.4	.1	32.	1.9	.4	2.2	2.1
%RSD	1.727	1.448	.0803	1.546	.6790	.0340	.6337	.9593	.1829	1.032	1.024
#1	202.6	5028.	4846.	188.9	200.8	193.0	4947.	195.1	191.5	212.8	208.6
#2	201.8	5001.	4846.	194.7	202.2	192.9	5010.	195.9	192.2	214.2	209.2
#3	196.2	4892.	4840.	192.7	199.5	192.9	4982.	198.7	192.1	209.9	205.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5252.**	**5058.**	**5277.**	**4945.**	**208.7**	**5166.**	**196.5**	**201.1**	**198.2**	**196.6**	**197.2**
Stddev	59.	38.	80.	37.	1.4	24.	.8	2.5	6.7	3.6	.1
%RSD	1.121	.7528	1.517	.7461	.6758	.4555	.3972	1.265	3.389	1.833	.0418
#1	5288.	5083.	5201.	4924.	209.6	5141.	195.8	203.5	193.7	194.6	197.3
#2	5284.	5076.	5271.	4925.	209.5	5187.	197.4	201.4	195.1	194.3	197.2
#3	5184.	5014.	5360.	4988.	207.1	5169.	196.4	198.4	205.9	200.7	197.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.6**	**195.0**	**196.6**	**201.0**	**200.7**	**5036.**	**4974.**	**204.1**	**198.0**
Stddev	2.6	1.6	.8	1.7	1.0	56.	46.	2.0	1.3
%RSD	1.285	.8170	.3891	.8301	.5084	1.112	.9307	1.001	.6538
#1	201.0	194.6	195.7	201.1	200.1	5062.	4940.	203.4	199.0
#2	203.1	193.6	196.9	202.6	200.1	5074.	5026.	206.4	196.5
#3	197.9	196.7	197.2	199.3	201.9	4972.	4954.	202.5	198.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	27645.	43065.	11973.
Stddev	362.	794.	57.
%RSD	1.3081	1.8431	.47423
#1	27450.	42243.	11945.
#2	28062.	43125.	11936.
#3	27423.	43827.	12038.

Sample Name: CCB Acquired: 8/14/2011 18:19:59 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1432**	**1.490**	**-13.09**	**1.808**	**2.277**	**-.1982**	**1.504**	**-.2464**	**.3034**	**-.0736**	**.3503**
Stddev	.6065	.526	44.11	2.775	.802	.3985	8.183	.1021	.1928	.2210	.4173
%RSD	423.4	35.31	337.1	153.5	35.21	201.0	544.0	41.42	63.54	300.4	119.1
#1	.5302	.9228	-56.59	-.2477	2.241	-.4444	3.447	-.1564	.3052	.1119	.7495
#2	-.6463	1.962	-14.28	4.965	3.096	.2615	8.542	-.3573	.1097	-.3181	.3843
#3	-.3137	1.586	31.61	.7059	1.494	-.4117	-7.476	-.2254	.4953	-.0145	-.0829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6602**	**.4304**	**-256.7**	**-16.46**	**-.0698**	**49.84**	**-.2562**	**4.136**	**3.397**	**1.541**	**-2.210**
Stddev	.2884	13.05	145.7	18.77	.0461	1.66	.3328	1.262	2.150	1.199	.558
%RSD	43.69	3031.	56.75	114.1	66.09	3.327	129.9	30.52	63.29	77.78	25.25
#1	.5657	6.189	-389.2	-27.30	-.0300	51.75	-.4982	5.055	1.488	2.918	-2.854
#2	.9840	9.606	-100.7	-27.28	-.0590	49.09	.1233	2.697	5.727	.9766	-1.897
#3	.4309	-14.50	-280.3	5.222	-.1203	48.70	-.3937	4.657	2.978	.7292	-1.879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6139**	**-.0981**	**-.0798**	**.0041**	**-2.593**	**-3.970**	**4.083**	**-.9674**	**-.2559**
Stddev	.4974	.1318	.3307	.2100	1.185	1.296	20.64	1.097	.9404
%RSD	81.02	134.3	414.3	5128.	45.69	32.65	505.6	113.4	367.5
#1	-.7955	.0051	-.4169	.2464	-3.889	-3.040	14.21	-2.098	-.2174
#2	-.9950	-.0530	-.0667	-.1111	-2.322	-3.420	-19.67	.0934	.6647
#3	-.0512	-.2465	.2441	-.1230	-1.567	-5.451	17.71	-.8978	-1.215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27526.**	**42796.**	**12476.**
Stddev	82.	362.	160.
%RSD	.29880	.84518	1.2791
#1	27445.	42562.	12659.
#2	27523.	43213.	12407.
#3	27609.	42613.	12363.

Sample Name: LCSW-2 B19P12 Acquired: 8/14/2011 18:24:23 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**216.5**	**5113.**	**4898.**	**210.5**	**215.1**	**207.7**	**5094.**	**208.0**	**207.1**	**219.6**	**213.0**
Stddev	2.1	15.	48.	7.9	1.7	1.5	27.	1.3	.6	.5	.4
%RSD	.9671	.2894	.9738	3.767	.7935	.7049	.5280	.6372	.2923	.2193	.1893
#1	218.8	5096.	4891.	201.6	214.6	209.4	5124.	206.8	206.5	219.6	213.5
#2	214.7	5124.	4855.	216.8	213.7	207.0	5073.	207.8	207.2	220.1	212.8
#3	215.9	5118.	4949.	213.0	217.0	206.8	5085.	209.4	207.7	219.1	212.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5334.**	**5074.**	**F 3846.**	**4979.**	**218.8**	**5232.**	**208.7**	**214.3**	**204.6**	**209.3**	**207.0**
Stddev	61.	9.	83.	17.	1.9	10.	1.3	4.6	.8	4.4	.9
%RSD	1.153	.1753	2.166	.3509	.8576	.1970	.6078	2.132	.3856	2.091	.4258
#1	5379.	5081.	3752.	4988.	220.2	5230.	207.3	215.7	204.7	209.7	207.0
#2	5264.	5064.	3872.	4959.	216.7	5223.	208.9	217.9	203.9	213.4	207.9
#3	5358.	5077.	3912.	4990.	219.6	5243.	209.8	209.1	205.4	204.7	206.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			5000.								
Range			-20.00%								

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**214.1**	**213.0**	**206.5**	**214.2**	**202.7**	**4040.**	**F 3978.**	**213.8**	**208.3**
Stddev	.4	1.5	.8	.8	2.0	9.	16.	2.2	1.5
%RSD	.2044	.6944	.3749	.3526	.9823	.2277	.4067	1.017	.7010
#1	214.4	211.4	205.7	214.9	204.6	4045.	3992.	215.9	208.0
#2	213.6	213.2	206.8	213.4	200.6	4046.	3961.	211.6	207.1
#3	214.2	214.4	207.1	214.3	202.8	4029.	3982.	213.8	209.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							5000.		
Range							-20.00%		

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27158.**	**42346.**	**11783.**
Stddev	317.	417.	105.
%RSD	1.1686	.98562	.89281
#1	27374.	42422.	11903.
#2	26794.	41896.	11706.
#3	27308.	42721.	11740.

Sample Name: AN03594 Acquired: 8/14/2011 18:28:36 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.799**	**40.57**	F **-56.61**	**8.878**	**24.56**	**1.175**	**246400.**	**-.0556**	**-.2945**
Stddev	.669	1.96	22.25	5.802	2.05	.149	386.	.0347	.4362
%RSD	37.17	4.821	39.30	65.35	8.331	12.69	.1566	62.36	148.1
#1	-1.036	40.13	-40.47	15.31	24.91	1.341	246800.	-.0298	.2010
#2	-2.080	42.70	-47.38	7.277	22.36	1.052	246000.	-.0950	-.6205
#3	-2.281	38.87	-81.99	4.045	26.41	1.131	246400.	-.0420	-.4639
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.287**	**6.901**	**223.3**	**202.6**	**330500.**	**760200.**	**78.84**	F **2221000.**	**2.084**
Stddev	.394	.346	1.0	6.8	9142.	1742.	.30	261900.	.913
%RSD	11.98	5.017	.4687	3.350	2.766	.2292	.3831	11.80	43.83
#1	2.979	6.537	223.5	202.2	322800.	762200.	78.90	2517000.	1.036
#2	3.731	6.940	222.1	196.1	328200.	758900.	78.51	2126000.	2.503
#3	3.152	7.226	224.2	209.6	340600.	759600.	79.11	2019000.	2.713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.266**	**8.461**	**2.856**	**-1.611**	**.7934**	**15.44**	**6.874**	**3.932**	**2709.**
Stddev	.646	.863	3.715	.857	.1754	.06	.432	.275	7.
%RSD	8.894	10.20	130.1	53.18	22.10	.3565	6.283	6.998	.2582
#1	6.960	7.474	7.128	-2.522	.8681	15.43	7.331	4.183	2713.
#2	8.008	8.833	1.057	-1.491	.9190	15.49	6.472	3.638	2713.
#3	6.830	9.075	.3837	-.8206	.5930	15.39	6.820	3.975	2701.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1067.**	**1116.**	**4878.**	**2.259**
Stddev	6.	19.	5.	1.108
%RSD	.5452	1.733	.0933	49.05
#1	1074.	1139.	4874.	3.487
#2	1062.	1104.	4878.	1.334
#3	1066.	1107.	4883.	1.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**21712.**	**32404.**	**11247.**
Stddev	108.	144.	135.
%RSD	.49760	.44550	1.2026
#1	21592.	32253.	11359.
#2	21801.	32541.	11285.
#3	21743.	32419.	11096.

Sample Name: AN03594 MS Acquired: 8/14/2011 18:33:14 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**239.1**	**3355.**	**5079.**	**241.2**	**240.5**	**199.7**	**243100.**	**201.9**	**196.4**
Stddev	.3	18.	25.	4.2	.9	.5	4757.	.3	.6
%RSD	.1232	.5444	.4935	1.737	.3611	.2714	1.957	.1289	.3016
#1	238.8	3337.	5091.	237.1	241.4	200.3	245700.	202.0	196.5
#2	239.4	3374.	5097.	241.1	239.7	199.3	245900.	201.6	197.0
#3	239.0	3353.	5051.	245.4	240.6	199.4	237600.	202.1	195.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**222.6**	**213.5**	**5829.**	**5325.**	**353000.**	**752600.**	**298.6**	F **1634000.**	**202.0**
Stddev	2.5	1.4	55.	63.	4379.	1031.	2.0	105000.	.6
%RSD	1.102	.6410	.9481	1.175	1.241	.1370	.6724	6.422	.3025
#1	220.2	215.1	5765.	5279.	347900.	753500.	296.3	1746000.	201.3
#2	225.1	212.7	5865.	5299.	355900.	752800.	300.1	1620000.	202.2
#3	222.6	212.8	5856.	5396.	355000.	751400.	299.4	1537000.	202.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**202.3**	**213.8**	**238.5**	**177.6**	**218.6**	**226.5**	**209.8**	**215.3**	**2832.**
Stddev	3.7	4.0	4.4	3.3	1.4	1.2	1.2	.7	7.
%RSD	1.832	1.887	1.855	1.875	.6592	.5335	.5699	.3436	.2510
#1	198.8	217.2	233.5	175.5	217.0	225.6	208.4	214.6	2831.
#2	202.0	214.9	240.7	175.9	219.5	226.1	210.6	216.1	2840.
#3	206.2	209.4	241.5	181.5	219.5	227.9	210.4	215.1	2826.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**5167.**	**5244.**	**5035.**	**198.9**
Stddev	8.	13.	32.	1.3
%RSD	.1486	.2489	.6387	.6312
#1	5159.	5240.	4998.	197.6
#2	5172.	5258.	5057.	199.0
#3	5172.	5233.	5049.	200.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22011.**	**32455.**	**11116.**
Stddev	90.	965.	388.
%RSD	.40857	2.9743	3.4935
#1	21908.	33569.	11515.
#2	22054.	31939.	10739.
#3	22071.	31858.	11095.

Sample Name: AN03594 SDL Acquired: 8/14/2011 18:37:44 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 5.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**216.6**	**3867.**	**4789.**	**236.1**	**241.7**	**201.7**	**254900.**	**204.9**	**197.1**
Stddev	2.5	34.	144.	14.9	3.4	1.3	764.	2.6	.7
%RSD	1.139	.8771	2.998	6.323	1.411	.6370	.2998	1.265	.3598
#1	216.5	3845.	4790.	233.1	245.0	202.8	254000.	203.1	197.6
#2	219.1	3906.	4644.	252.2	241.8	200.3	255500.	203.7	196.3
#3	214.1	3850.	4931.	222.8	238.2	202.0	255100.	207.9	197.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**219.5**	**207.6**	**5678.**	**5274.**	**309700.**	**762500.**	**292.9**	F **4782000.**	**204.0**
Stddev	2.5	5.3	46.	16.	3460.	2191.	2.2	162500.	3.2
%RSD	1.121	2.542	.8154	.3012	1.117	.2873	.7373	3.398	1.582
#1	222.1	213.5	5634.	5280.	305900.	764900.	291.2	4954000.	207.7
#2	219.2	203.4	5726.	5256.	312600.	760500.	295.4	4761000.	201.9
#3	217.3	205.8	5673.	5285.	310600.	762100.	292.2	4631000.	202.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**207.9**	**232.6**	**225.6**	**169.8**	**212.4**	**231.4**	**207.9**	**210.1**	**2819.**
Stddev	8.8	15.7	9.1	3.4	.7	1.9	5.5	2.1	12.
%RSD	4.253	6.743	4.014	1.998	.3276	.8276	2.623	1.002	.4228
#1	210.2	218.4	235.9	167.9	212.0	229.2	201.9	208.4	2805.
#2	215.3	249.4	222.2	173.7	213.2	232.9	209.6	212.5	2824.
#3	198.1	230.1	218.8	167.8	212.0	232.1	212.4	209.6	2828.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**5069.**	**5102.**	**4977.**	**206.1**
Stddev	35.	274.	18.	4.1
%RSD	.6808	5.369	.3595	1.969
#1	5105.	5416.	4957.	201.4
#2	5065.	4914.	4991.	208.5
#3	5037.	4975.	4982.	208.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25580.**	**38507.**	**11582.**
Stddev	154.	418.	127.
%RSD	.60287	1.0855	1.0967
#1	25755.	38106.	11681.
#2	25522.	38474.	11625.
#3	25464.	38940.	11439.

Sample Name: AN03595 Acquired: 8/14/2011 18:42:12 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0896**	**-35.03**	F **-136.6**	**12.92**	**23.47**	**1.237**	**242700.**	**.0537**	**1.999**
Stddev	.9591	1.48	15.6	.49	1.08	.187	5169.	.1205	.386
%RSD	1071.	4.219	11.40	3.801	4.586	15.15	2.130	224.4	19.32
#1	-.2693	-36.29	-126.2	13.14	23.29	1.119	238900.	-.0845	1.682
#2	1.176	-33.41	-129.2	13.27	22.50	1.138	248600.	.1088	1.886
#3	-.6383	-35.41	-154.5	12.36	24.63	1.453	240600.	.1368	2.429
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.876**	**4.869**	**2.718**	**3.338**	**345400.**	**744700.**	**65.75**	F **1544000.**	**2.509**
Stddev	1.652	.670	.562	5.205	8622.	890.	.78	156100.	.687
%RSD	57.46	13.76	20.66	155.9	2.496	.1195	1.192	10.11	27.39
#1	4.597	5.304	2.848	-2.463	337300.	745400.	64.87	1716000.	1.871
#2	2.728	5.206	3.204	4.881	344500.	743700.	66.36	1505000.	3.237
#3	1.302	4.097	2.103	7.597	354500.	744900.	66.03	1411000.	2.419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.488**	**9.781**	**8.748**	**-2.133**	**-.0277**	**13.02**	**7.024**	**-.0482**	**2596.**
Stddev	.552	4.232	.835	1.329	1.107	.14	.368	.1846	13.
%RSD	15.82	43.27	9.549	62.32	4004.	1.059	5.237	383.1	.4926
#1	4.125	8.999	9.468	-1.899	.5912	12.88	7.447	-.1689	2610.
#2	3.186	14.35	8.944	-3.564	.6321	13.15	6.841	-.1399	2593.
#3	3.154	5.994	7.832	-.9363	-1.306	13.02	6.783	.1643	2586.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**798.9**	**829.5**	**4798.**	**.5162**
Stddev	8.6	16.9	21.	1.446
%RSD	1.080	2.041	.4461	280.1
#1	789.2	816.7	4775.	-.1455
#2	805.9	848.7	4817.	2.174
#3	801.5	823.2	4802.	-.4805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**21092.**	**31178.**	**10503.**
Stddev	182.	508.	374.
%RSD	.86316	1.6284	3.5600
#1	21278.	31634.	10933.
#2	21084.	31269.	10322.
#3	20914.	30631.	10253.

Sample Name: AN03596 Acquired: 8/14/2011 18:46:50 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7494**	**25.58**	F **-56.62**	**12.82**	**27.41**	**1.708**	**247600.**	**.1544**	**-.0460**
Stddev	.5264	2.50	49.46	8.15	.94	.303	2791.	.2332	.2407
%RSD	70.25	9.761	87.34	63.56	3.428	17.76	1.127	151.0	523.5
#1	-1.338	25.85	-59.96	4.514	28.43	1.393	250800.	.0264	-.3138
#2	-.5848	22.96	-104.3	20.80	27.23	1.734	245800.	.4236	.1525
#3	-.3249	27.93	-5.581	13.14	26.58	1.997	246100.	.0132	.0234
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.430**	**9.869**	**211.7**	**188.3**	**369200.**	**754200.**	**81.75**	F **1370000.**	**2.056**
Stddev	.519	1.616	2.7	6.4	7830.	2194.	.49	133300.	1.081
%RSD	21.34	16.38	1.296	3.415	2.121	.2909	.6030	9.730	52.55
#1	2.154	8.984	209.8	188.6	360700.	756200.	81.19	1515000.	2.607
#2	3.028	11.73	214.9	194.6	371000.	754500.	82.13	1342000.	2.750
#3	2.108	8.889	210.6	181.8	376000.	751800.	81.91	1253000.	.8112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.16**	**5.655**	**5.355**	**-4.403**	**-.5081**	**18.84**	**6.463**	**2.923**	**2622.**
Stddev	2.39	6.845	3.586	3.549	.2188	.47	.338	.400	8.
%RSD	23.50	121.0	66.96	80.60	43.05	2.477	5.228	13.69	.3121
#1	10.27	11.34	1.768	-.3061	-.6022	18.32	6.112	2.507	2626.
#2	7.718	-1.941	8.940	-6.381	-.6642	19.22	6.785	2.957	2613.
#3	12.49	7.561	5.359	-6.522	-.2581	18.98	6.492	3.305	2627.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1092.**	**1156.**	**4860.**	**.4257**
Stddev	15.	21.	21.	1.666
%RSD	1.346	1.824	.4290	391.4
#1	1089.	1168.	4845.	-.4463
#2	1108.	1169.	4884.	2.347
#3	1079.	1132.	4852.	-.6235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20592.**	**30421.**	**10023.**
Stddev	273.	305.	380.
%RSD	1.3256	1.0024	3.7948
#1	20822.	30628.	10377.
#2	20291.	30070.	10071.
#3	20664.	30563.	9621.0

Sample Name: AN03597 Acquired: 8/14/2011 18:51:27 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9724	-34.69	F -117.2	13.39	26.90	1.632	242700.	.0555	1.236
Stddev	.5331	1.57	24.9	2.09	.60	.078	9311.	.1173	.584
%RSD	54.82	4.534	21.26	15.59	2.217	4.767	3.836	211.4	47.25
#1	-.4668	-34.92	-109.1	12.64	26.44	1.591	237600.	.1732	.5632
#2	-.9211	-36.13	-97.26	15.74	26.69	1.722	253500.	-.0614	1.613
#3	-1.529	-33.01	-145.1	11.77	27.57	1.584	237200.	.0547	1.530
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.806	6.900	5.601	7.246	378700.	725700.	70.83	F 1296000.	2.090
Stddev	.908	1.357	.342	4.320	5308.	6130.	.18	69950.	.477
%RSD	50.27	19.66	6.100	59.62	1.402	.8448	.2593	5.396	22.83
#1	.8769	5.437	5.490	3.704	373300.	727300.	70.62	1375000.	2.170
#2	2.691	7.145	5.329	5.974	378900.	730800.	70.91	1240000.	2.523
#3	1.850	8.117	5.985	12.06	383900.	718900.	70.96	1275000.	1.578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.340	16.39	2.098	-5.673	-.3876	16.09	6.475	-.3269	2545.
Stddev	2.676	4.72	1.473	2.909	.2692	.09	.284	.1043	15.
%RSD	50.10	28.82	70.23	51.28	69.46	.5540	4.381	31.90	.5737
#1	2.273	11.55	.5477	-2.604	-.2998	15.98	6.151	-.4223	2562.
#2	6.553	16.61	2.266	-6.027	-.1733	16.13	6.594	-.2156	2537.
#3	7.195	20.99	3.480	-8.389	-.6898	16.14	6.680	-.3427	2537.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	869.5	889.9	4787.	.4915
Stddev	14.6	31.4	8.	1.159
%RSD	1.674	3.534	.1708	235.8
#1	863.0	925.9	4796.	.7965
#2	886.2	867.4	4783.	-.7893
#3	859.3	876.5	4781.	1.467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20639.	29719.	9196.5
Stddev	275.	825.	422.7
%RSD	1.3338	2.7754	4.5966
#1	20925.	30619.	9582.1
#2	20376.	29537.	9262.9
#3	20615.	29000.	8744.5

Sample Name: AN03598 Acquired: 8/14/2011 18:56:00 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0363	34.79	-9.136	12.82	27.96	1.812	238200.	.0665	-.5074
Stddev	1.205	1.83	26.02	2.70	1.54	.525	5789.	.2288	.3221
%RSD	3318.	5.266	284.9	21.02	5.495	28.99	2.430	344.1	63.48
#1	1.077	36.49	-39.15	15.89	28.77	2.417	243100.	.3244	-.5958
#2	-1.316	32.85	4.687	10.84	28.92	1.542	231800.	-.0126	-.7760
#3	.1305	35.03	7.059	11.74	26.19	1.476	239800.	-.1123	-.1503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.813	5.709	259.5	224.9	382600.	730000.	85.35	F 1270000.	1.886
Stddev	1.071	.225	2.4	7.7	4409.	4431.	.77	108900.	.899
%RSD	38.09	3.937	.9415	3.408	1.152	.6071	.9004	8.575	47.68
#1	1.937	5.965	261.2	230.4	379800.	735100.	85.97	1392000.	1.920
#2	2.495	5.614	260.6	228.0	387700.	727600.	85.60	1183000.	2.768
#3	4.007	5.547	256.7	216.1	380300.	727300.	84.49	1235000.	.9706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.928	11.93	5.346	-4.414	.1770	13.37	6.092	3.314	2551.
Stddev	2.133	3.58	4.639	.870	.3784	.17	.481	.386	8.
%RSD	23.89	30.03	86.76	19.71	213.8	1.295	7.896	11.63	.3101
#1	9.930	13.90	1.638	-3.716	.4819	13.56	6.279	3.010	2542.
#2	6.479	7.796	3.854	-5.389	.2955	13.21	5.545	3.185	2555.
#3	10.38	14.10	10.55	-4.137	-.2465	13.34	6.451	3.748	2556.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	1187.	1243.	4795.	.3570
Stddev	28.	21.	31.	.8922
%RSD	2.385	1.664	.6475	249.9
#1	1218.	1241.	4815.	-.2455
#2	1163.	1265.	4810.	-.0654
#3	1178.	1224.	4759.	1.382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20973.	30500.	9496.5
Stddev	39.	546.	125.2
%RSD	.18481	1.7915	1.3183
#1	20979.	30155.	9565.1
#2	21008.	31130.	9572.5
#3	20931.	30214.	9352.0

Sample Name: AN03599 Acquired: 8/14/2011 19:00:34 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2805	-35.46	F -138.5	16.72	26.90	1.888	243300.	.1769	2.151
Stddev	.2997	.61	25.6	1.11	1.55	.146	1682.	.1191	.361
%RSD	106.8	1.707	18.46	6.623	5.766	7.716	.6911	67.30	16.81
#1	.0535	-35.77	-120.7	17.02	26.65	1.990	245000.	.2762	2.539
#2	-.3691	-34.76	-167.8	17.65	25.49	1.954	243200.	.2098	1.824
#3	-.5258	-35.84	-127.0	15.49	28.56	1.721	241700.	.0449	2.091
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.447	4.123	2.838	-.8996	387600.	737500.	74.59	F 1359000.	1.851
Stddev	.192	.612	.611	3.707	11160.	4853.	.55	193600.	.966
%RSD	5.572	14.85	21.51	412.0	2.879	.6581	.7371	14.24	52.17
#1	3.649	3.472	3.056	2.218	379900.	742600.	73.98	1579000.	.7399
#2	3.267	4.688	2.148	-4.999	382500.	736900.	75.03	1284000.	2.327
#3	3.426	4.210	3.309	.0821	400400.	732900.	74.77	1215000.	2.487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.016	13.52	6.633	-5.599	-.3846	10.98	6.523	-.3576	2572.
Stddev	1.544	2.45	4.459	3.010	.9730	.02	.305	.3901	16.
%RSD	22.01	18.14	67.22	53.77	253.0	.1786	4.669	109.1	.6225
#1	8.523	11.96	10.56	-8.514	-.9047	10.99	6.636	-.2516	2585.
#2	7.086	16.35	1.784	-2.501	.7380	10.96	6.755	-.7897	2554.
#3	5.438	12.26	7.559	-5.781	-.9871	11.00	6.178	-.0314	2578.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	917.8	976.3	4843.	2.599
Stddev	2.6	27.8	13.	1.099
%RSD	.2869	2.843	.2687	42.28
#1	918.3	964.0	4837.	1.387
#2	914.9	1008.	4857.	2.880
#3	920.1	956.9	4833.	3.531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20397.	29524.	8971.6
Stddev	335.	228.	232.9
%RSD	1.6443	.77153	2.5959
#1	20089.	29262.	8846.8
#2	20348.	29674.	9240.3
#3	20754.	29636.	8827.6

Sample Name: AN03600 Acquired: 8/14/2011 19:05:03 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.438**	**32.11**	**-26.51**	**19.04**	**26.95**	**1.623**	**240900.**	**.1168**	**-.1386**
Stddev	.815	1.67	30.38	.51	2.13	.620	2939.	.4680	.0223
%RSD	56.68	5.199	114.6	2.683	7.918	38.22	1.220	400.5	16.11
#1	-.6319	33.29	-14.30	18.47	25.72	1.301	238300.	.5836	-.1327
#2	-1.421	32.84	-61.10	19.45	25.71	2.338	240500.	-.3523	-.1633
#3	-2.262	30.20	-4.144	19.22	29.41	1.230	244100.	.1192	-.1198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.349**	**6.650**	**247.9**	**212.2**	**400200.**	**734400.**	**85.30**	**F 1236000.**	**2.630**
Stddev	1.652	.872	1.9	12.8	21610.	2516.	.41	66440.	.625
%RSD	49.33	13.12	.7684	6.009	5.399	.3426	.4797	5.373	23.79
#1	4.338	5.721	247.7	199.0	385400.	737200.	85.44	1312000.	2.141
#2	1.442	6.777	246.1	224.4	390200.	733900.	84.84	1187000.	2.413
#3	4.268	7.451	249.9	213.1	425000.	732200.	85.63	1210000.	3.335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.205**	**9.816**	**7.843**	**-2.810**	**-.7645**	**15.42**	**6.873**	**2.469**	**2577.**
Stddev	2.256	5.666	5.351	1.247	.3088	.47	.854	.566	9.
%RSD	36.36	57.72	68.22	44.38	40.39	3.016	12.43	22.91	.3494
#1	3.887	3.464	5.121	-2.851	-.5538	14.97	6.536	2.408	2578.
#2	8.393	11.64	4.400	-1.543	-1.119	15.39	7.845	3.063	2567.
#3	6.334	14.35	14.01	-4.037	-.6209	15.89	6.239	1.937	2585.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1107.**	**1168.**	**4870.**	**3.670**
Stddev	11.	30.	10.	1.125
%RSD	.9604	2.552	.2087	30.67
#1	1098.	1197.	4879.	4.964
#2	1105.	1137.	4859.	3.124
#3	1119.	1169.	4871.	2.921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20363.**	**29625.**	**9155.4**
Stddev	191.	417.	611.9
%RSD	.93642	1.4081	6.6830
#1	20507.	29892.	9603.5
#2	20434.	29839.	9404.4
#3	20147.	29145.	8458.3

Sample Name: CCV Acquired: 8/14/2011 19:09:34 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**210.5**	**5542.**	**4469.**	**229.2**	**205.7**	**173.6**	**4645.**	**207.3**	**188.5**	**215.0**	**213.7**
Stddev	2.2	53.	28.	3.4	.9	.6	48.	.3	.3	1.4	2.0
%RSD	1.060	.9480	.6247	1.494	.4329	.3462	1.042	.1628	.1639	.6622	.9336
#1	213.1	5600.	4441.	232.7	204.9	172.9	4611.	207.6	188.7	215.0	215.8
#2	209.0	5527.	4467.	229.0	205.4	174.0	4623.	207.0	188.2	213.5	213.5
#3	209.5	5499.	4497.	225.8	206.6	173.8	4700.	207.4	188.7	216.4	211.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5326.**	**4907.**	**F 11230.**	**4489.**	**208.9**	**F 45800.**	**198.2**	**221.6**	**211.6**	**233.4**	**205.5**
Stddev	36.	26.	591.	67.	1.2	1995.	2.1	1.6	8.7	1.6	2.0
%RSD	.6851	.5250	5.260	1.497	.5558	4.356	1.043	.7042	4.096	.7005	.9657
#1	5323.	4889.	11870.	4422.	209.1	47980.	200.1	222.3	221.5	232.7	205.2
#2	5292.	4895.	11090.	4489.	207.6	45360.	196.0	222.8	208.0	235.3	203.7
#3	5364.	4936.	10720.	4557.	209.9	44070.	198.6	219.9	205.4	232.3	207.6
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			5000.			5000.					
Range			20.00%			20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.4**	**213.5**	**198.5**	**197.7**	**187.8**	**5380.**	**5008.**	**202.1**	**217.7**
Stddev	2.2	1.6	.5	1.7	3.0	59.	38.	1.5	2.5
%RSD	1.070	.7523	.2535	.8542	1.597	1.104	.7571	.7284	1.144
#1	202.2	215.3	198.3	198.4	189.4	5448.	5051.	200.7	220.4
#2	198.9	212.9	199.0	195.8	184.3	5353.	4987.	201.9	215.4
#3	203.0	212.2	198.1	199.0	189.7	5338.	4984.	203.7	217.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23824.**	**35066.**	**8042.2**
Stddev	725.	911.	142.8
%RSD	3.0413	2.5981	1.7750
#1	23208.	34398.	7893.6
#2	23641.	34697.	8178.3
#3	24622.	36104.	8054.8

Sample Name: CCB Acquired: 8/14/2011 19:13:46 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2912	3.127	14.68	7.388	6.446	.1805	1.612	.0197	-.1162	-.0137	3.359
Stddev	.7621	1.774	31.86	3.871	2.005	.2175	5.861	.2159	.2015	.8879	.304
%RSD	261.7	56.72	217.0	52.40	31.11	120.5	363.5	1095.	173.3	6484.	9.063
#1	.5836	5.103	-21.92	6.951	6.392	-.0134	4.652	.2623	-.0016	.5316	3.444
#2	-.6458	2.607	29.77	11.46	4.469	.1392	-5.144	-.1513	.0017	-1.038	3.613
#3	-.8113	1.671	36.20	3.753	8.479	.4157	5.329	-.0519	-.3489	.4655	3.022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6953	-2.554	F 3773.	40.58	-.1497	F 25130.	-.1942	2.281	5.636	3.587	-4.382
Stddev	.9261	12.73	158.	27.91	.0746	839.	.5279	1.915	2.352	2.648	.412
%RSD	133.2	498.4	4.175	68.78	49.85	3.340	271.9	83.95	41.73	73.81	9.404
#1	-1.677	-17.15	3936.	8.576	-.0644	26040.	-.2233	.8891	3.364	2.614	-4.549
#2	.1620	3.245	3621.	53.27	-.1816	24970.	.3477	4.466	8.060	6.584	-3.913
#3	-.5705	6.244	3761.	59.89	-.2030	24380.	-.7069	1.490	5.484	1.564	-4.685
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.0			1000.					
Low Limit			-500.0			-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1739	-.2566	-.2870	-.3984	-2.614	-4.099	41.85	-.1250	.4814
Stddev	.2285	.2609	.7039	.4150	1.544	4.197	8.28	1.522	.5848
%RSD	131.4	101.7	245.2	104.1	59.06	102.4	19.79	1217.	121.5
#1	.0661	-.4806	.3521	.0405	-4.209	-5.075	47.99	-.2284	.0418
#2	-.1990	-.3191	-.1716	-.7843	-1.127	-7.723	45.15	1.446	.2574
#3	-.3888	.0298	-1.042	-.4515	-2.505	.4993	32.43	-1.593	1.145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25170.	37239.	8917.1
Stddev	45.	883.	78.3
%RSD	.17972	2.3710	.87831
#1	25182.	36592.	8931.4
#2	25208.	36881.	8987.2
#3	25120.	38245.	8832.6

Sample Name: AN03601 Acquired: 8/14/2011 19:18:06 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6842	-34.16	F -163.3	9.343	24.70	1.457	241000.	.0635	-.0202
Stddev	.3511	.94	26.8	3.411	.51	.236	1918.	.1078	.2814
%RSD	51.31	2.744	16.43	36.50	2.081	16.18	.7958	169.8	1394.
#1	-.6844	-34.95	-194.1	5.561	24.84	1.330	242100.	.0134	-.2515
#2	-.3330	-34.41	-145.3	12.19	24.13	1.312	242100.	.1871	.2931
#3	-1.035	-33.13	-150.4	10.28	25.12	1.729	238800.	-.0101	-.1021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.885	4.121	2.161	2.633	356900.	731100.	65.86	F 1443000.	1.190
Stddev	.465	.789	1.163	10.94	8527.	2165.	.63	155400.	.923
%RSD	16.11	19.15	53.81	415.3	2.389	.2962	.9536	10.77	77.55
#1	2.609	3.759	3.015	10.92	349000.	733500.	66.55	1613000.	.2835
#2	2.624	3.577	2.632	-9.763	355800.	730300.	65.71	1406000.	1.158
#3	3.421	5.026	.8366	6.743	365900.	729400.	65.32	1309000.	2.128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3337	5.321	1.860	-4.167	-.4023	11.69	6.677	-.4077	2586.
Stddev	.6673	8.154	2.017	.374	.4020	.48	.187	.4317	16.
%RSD	200.0	153.2	108.4	8.977	99.92	4.144	2.805	105.9	.6063
#1	.4258	4.608	4.101	-4.433	-.4291	11.45	6.518	-.4385	2599.
#2	-.6009	-2.453	.1898	-3.739	-.7902	11.38	6.884	-.8232	2590.
#3	-.8259	13.81	1.290	-4.329	.0124	12.25	6.629	.0385	2569.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	841.5	894.8	4743.	1.869
Stddev	11.7	36.3	41.	.617
%RSD	1.393	4.062	.8703	33.03
#1	847.9	858.8	4790.	1.874
#2	828.0	894.2	4728.	2.484
#3	848.7	931.4	4712.	1.249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	21051.	31223.	10173.
Stddev	113.	602.	411.
%RSD	.53609	1.9277	4.0408
#1	21150.	31311.	10647.
#2	21076.	31776.	9929.0
#3	20928.	30582.	9942.0

Sample Name: AN03602 Acquired: 8/14/2011 19:22:41 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7695**	**25.28**	F **-50.26**	**13.52**	**27.79**	**2.064**	**239200.**	**-.0706**	**-.3901**
Stddev	.1251	1.82	39.32	4.71	.55	.385	1841.	.1213	.3355
%RSD	16.26	7.194	78.24	34.80	1.977	18.65	.7695	171.9	85.99
#1	-.8501	26.63	-31.50	9.047	27.22	1.901	241200.	-.1539	-.0599
#2	-.6254	23.21	-95.45	18.43	28.31	1.788	237500.	.0686	-.3798
#3	-.8329	26.01	-23.83	13.09	27.83	2.504	239000.	-.1264	-.7306
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.298**	**6.866**	**234.1**	**206.6**	**381700.**	**734800.**	**84.51**	F **1305000.**	**2.687**
Stddev	1.105	.995	1.8	8.7	12790.	1419.	.51	105800.	.053
%RSD	33.50	14.49	.7653	4.193	3.351	.1931	.6092	8.106	1.961
#1	4.451	7.772	233.3	208.1	367100.	736100.	84.76	1427000.	2.653
#2	3.194	7.024	232.8	214.3	390700.	734900.	83.92	1239000.	2.660
#3	2.249	5.802	236.1	197.2	387500.	733300.	84.86	1249000.	2.748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.572**	**2.413**	**-1.780**	**-4.465**	**-.4563**	**14.53**	**6.025**	**2.710**	**2587.**
Stddev	2.259	1.268	2.419	1.431	1.091	.38	.517	.061	7.
%RSD	40.55	52.54	135.8	32.06	239.0	2.623	8.581	2.249	.2551
#1	7.732	1.063	-3.847	-6.073	-1.018	14.09	5.617	2.724	2592.
#2	3.225	2.599	.8798	-3.329	.8008	14.81	5.851	2.643	2580.
#3	5.759	3.578	-2.374	-3.993	-1.152	14.67	6.607	2.762	2590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1089.**	**1126.**	**4877.**	**.2487**
Stddev	8.	49.	17.	1.457
%RSD	.7082	4.326	.3445	586.1
#1	1088.	1143.	4895.	-.0472
#2	1097.	1164.	4861.	1.831
#3	1082.	1071.	4875.	-1.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20884.**	**29884.**	**9660.6**
Stddev	396.	230.	190.6
%RSD	1.8973	.76853	1.9733
#1	21177.	29621.	9876.0
#2	20433.	29992.	9513.5
#3	21041.	30040.	9592.3

Sample Name: AN03603 Acquired: 8/14/2011 19:27:19 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3040**	**-33.23**	F **-137.2**	**14.51**	**25.23**	**2.270**	**241000.**	**.4334**	**1.760**
Stddev	1.832	1.44	60.0	6.50	1.75	.365	1721.	.0785	.460
%RSD	602.6	4.343	43.70	44.82	6.924	16.10	.7143	18.11	26.15
#1	1.730	-32.80	-141.9	21.45	26.40	2.035	239000.	.5020	2.143
#2	-1.825	-34.84	-75.05	8.569	26.06	2.691	242100.	.4504	1.249
#3	-.8167	-32.05	-194.7	13.50	23.22	2.083	241700.	.3478	1.889
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.534**	**3.538**	**1.994**	**-5.949**	**386700.**	**727500.**	**70.32**	F **1261000.**	**2.368**
Stddev	1.377	.867	.605	5.594	11370.	1511.	.48	93090.	.746
%RSD	54.33	24.52	30.36	94.03	2.941	.2077	.6818	7.379	31.52
#1	1.731	3.494	2.639	.4499	373900.	729200.	69.78	1369000.	2.575
#2	1.746	4.426	1.439	-8.386	390600.	726700.	70.48	1203000.	1.540
#3	4.123	2.693	1.903	-9.910	395600.	726500.	70.70	1212000.	2.989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.273**	**8.020**	**.8508**	**-4.091**	**-1.065**	**11.99**	**7.120**	**-.4667**	**2558.**
Stddev	.592	7.835	5.547	5.119	.211	.25	.323	.0653	11.
%RSD	18.09	97.70	652.0	125.1	19.79	2.085	4.538	14.00	.4476
#1	2.667	14.00	-2.521	1.707	-1.198	11.83	6.772	-.4005	2566.
#2	3.850	10.91	-2.180	-5.995	-.8217	12.27	7.410	-.5311	2563.
#3	3.302	-.8493	7.253	-7.985	-1.173	11.85	7.178	-.4685	2545.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**853.0**	**898.0**	**4808.**	**1.080**
Stddev	7.3	51.3	23.	.786
%RSD	.8577	5.713	.4812	72.75
#1	844.7	842.9	4784.	1.843
#2	856.0	906.5	4808.	1.124
#3	858.4	944.5	4830.	.2733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20472.**	**30627.**	**9272.3**
Stddev	371.	578.	303.1
%RSD	1.8112	1.8861	3.2684
#1	20874.	31291.	9620.5
#2	20397.	30340.	9068.8
#3	20144.	30248.	9127.5

Sample Name: AN03604 Acquired: 8/14/2011 19:31:51 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0666**	**72.09**	**47.41**	**15.47**	**27.62**	**2.768**	**237500.**	**.0160**	**-.0825**
Stddev	.7661	1.20	23.00	2.68	1.87	.163	914.	.0923	.3091
%RSD	1150.	1.668	48.52	17.32	6.778	5.874	.3849	576.4	374.8
#1	.0281	73.20	60.00	14.67	29.03	2.891	238300.	-.0667	-.0090
#2	.8513	72.26	61.37	13.29	28.33	2.830	237600.	.1156	.1832
#3	-.6795	70.81	20.86	18.46	25.50	2.584	236500.	-.0008	-.4216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.513**	**7.847**	**408.8**	**343.4**	**416100.**	**712900.**	**90.68**	**F 1306000.**	**2.349**
Stddev	.292	.092	3.7	2.4	9544.	3752.	.52	102500.	1.567
%RSD	6.482	1.167	.8967	.7120	2.294	.5263	.5741	7.843	66.72
#1	4.180	7.931	409.9	340.8	410200.	717000.	90.97	1424000.	1.154
#2	4.730	7.861	404.7	343.8	411000.	712000.	90.08	1238000.	1.770
#3	4.628	7.749	411.8	345.7	427100.	709700.	91.00	1258000.	4.124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.949**	**12.59**	**5.196**	**-4.618**	**.2476**	**16.15**	**6.494**	**4.745**	**2518.**
Stddev	2.650	3.89	6.067	3.050	.1343	.44	.535	.199	2.
%RSD	44.55	30.88	116.7	66.04	54.24	2.704	8.241	4.199	.0663
#1	5.356	13.09	12.20	-7.971	.4009	15.98	6.811	4.830	2516.
#2	3.645	8.474	1.652	-3.876	.1508	15.83	5.876	4.518	2519.
#3	8.845	16.20	1.736	-2.008	.1911	16.65	6.795	4.888	2518.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1232.**	**1296.**	**4816.**	**1.546**
Stddev	10.	17.	28.	1.406
%RSD	.7835	1.306	.5791	90.96
#1	1239.	1299.	4848.	.8983
#2	1235.	1278.	4797.	3.160
#3	1221.	1311.	4803.	.5806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**19772.**	**28324.**	**8242.3**
Stddev	229.	441.	238.6
%RSD	1.1592	1.5578	2.8944
#1	20025.	28370.	8298.6
#2	19713.	28741.	8447.7
#3	19578.	27862.	7980.6

Sample Name: AN03605 Acquired: 8/14/2011 19:36:19 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4574**	**-36.10**	F **-143.0**	**16.83**	**28.91**	**2.500**	**235100.**	**.0809**	**1.620**
Stddev	1.741	2.79	39.9	5.75	.79	.396	1802.	.1735	.360
%RSD	380.6	7.719	27.92	34.16	2.716	15.82	.7667	214.4	22.22
#1	-.2326	-33.08	-104.1	23.40	28.43	2.267	237000.	-.0582	1.212
#2	1.160	-38.58	-141.1	12.71	28.47	2.957	234700.	.0256	1.756
#3	-2.300	-36.64	-183.9	14.38	29.81	2.276	233400.	.2754	1.892
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.446**	**5.827**	**9.296**	**-.1116**	**432100.**	**707700.**	**71.27**	F **1266000.**	**2.019**
Stddev	1.389	2.541	.840	11.65	16940.	5283.	.45	61780.	.507
%RSD	56.78	43.60	9.038	10450.	3.920	.7465	.6296	4.878	25.11
#1	.9034	3.818	9.663	5.769	413700.	713700.	70.78	1319000.	2.592
#2	2.837	8.683	9.891	7.432	435800.	705200.	71.35	1198000.	1.834
#3	3.597	4.980	8.335	-13.53	447000.	704000.	71.67	1282000.	1.630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.516**	**4.397**	**5.788**	**-7.505**	**-.9276**	**12.49**	**6.347**	**-.9398**	**2515.**
Stddev	3.047	3.976	4.507	1.273	.4403	.15	.573	.3461	10.
%RSD	121.1	90.42	77.86	16.96	47.47	1.235	9.028	36.83	.3832
#1	-.8895	7.425	10.39	-8.555	-1.215	12.36	5.797	-.6232	2526.
#2	3.452	-.1053	1.380	-6.089	-1.147	12.45	6.303	-.8868	2511.
#3	4.984	5.871	5.598	-7.871	-.4207	12.66	6.941	-1.309	2509.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**858.1**	**876.5**	**4840.**	**1.275**
Stddev	8.2	24.5	7.	.714
%RSD	.9583	2.794	.1506	56.02
#1	848.6	898.0	4832.	2.063
#2	862.7	849.8	4844.	.6698
#3	863.0	881.6	4845.	1.092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19055.	26740.	7883.9
Stddev	368.	757.	529.3
%RSD	1.9325	2.8305	6.7138
#1	19418.	27613.	8473.6
#2	19065.	26265.	7728.5
#3	18682.	26342.	7449.8

Sample Name: AN03606 Acquired: 8/14/2011 19:40:47 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.641**	**122.0**	**136.0**	**21.80**	**29.60**	**2.767**	**233500.**	**.1479**	**.1628**
Stddev	.206	2.4	48.5	1.50	1.48	.113	1071.	.0102	.1414
%RSD	12.58	1.958	35.65	6.905	5.013	4.091	.4587	6.903	86.84
#1	-1.762	124.8	184.4	20.16	31.12	2.811	234100.	.1363	.0970
#2	-1.759	120.6	87.39	23.12	29.52	2.639	234200.	.1522	.3250
#3	-1.403	120.7	136.3	22.13	28.15	2.852	232300.	.1553	.0663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.129**	**8.035**	**592.0**	**502.1**	**458100.**	**698500.**	**96.55**	**F 1258000.**	**2.798**
Stddev	1.907	.533	3.5	17.6	12040.	2617.	.49	91700.	1.173
%RSD	46.18	6.634	.5943	3.514	2.628	.3747	.5104	7.291	41.90
#1	6.230	7.904	589.8	522.5	444700.	699600.	96.10	1363000.	4.010
#2	2.510	8.621	596.1	491.6	461500.	700300.	97.07	1197000.	2.715
#3	3.646	7.579	590.2	492.3	468100.	695500.	96.48	1213000.	1.670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.936**	**14.87**	**1.986**	**-5.984**	**-.1375**	**17.75**	**6.682**	**7.589**	**2508.**
Stddev	3.392	4.54	5.481	1.861	.5606	.33	.445	1.306	7.
%RSD	42.74	30.50	276.0	31.10	407.7	1.836	6.660	17.21	.2768
#1	4.067	18.13	-1.322	-8.058	-.5033	17.70	6.276	8.957	2500.
#2	9.341	9.691	-1.032	-5.438	-.4171	18.10	6.612	7.457	2514.
#3	10.40	16.80	8.313	-4.458	.5079	17.45	7.158	6.354	2509.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1384.**	**1447.**	**4735.**	**1.533**
Stddev	7.	20.	17.	.980
%RSD	.5255	1.363	.3592	63.92
#1	1382.	1431.	4747.	.8104
#2	1392.	1469.	4743.	1.141
#3	1378.	1441.	4716.	2.649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**18389.**	**26587.**	**7237.5**
Stddev	66.	311.	202.3
%RSD	.35691	1.1694	2.7949
#1	18442.	26908.	7418.1
#2	18408.	26288.	7275.4
#3	18316.	26566.	7018.9

Sample Name: AN03607 Acquired: 8/14/2011 19:45:15 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1242	-35.93	F -110.6	15.38	30.49	2.325	235900.	.0107	2.055
Stddev	.9824	1.27	48.0	5.53	.25	.850	433.	.0166	.353
%RSD	791.1	3.545	43.38	35.91	.8075	36.56	.1836	155.2	17.20
#1	-.6647	-34.85	-153.2	20.40	30.34	1.483	236300.	.0140	2.285
#2	1.010	-35.61	-119.9	9.462	30.37	2.308	236100.	-.0073	2.232
#3	-.7177	-37.34	-58.64	16.29	30.78	3.183	235500.	.0253	1.648
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.824	6.832	7.887	.9334	486300.	702100.	72.32	F 1296000.	1.973
Stddev	.642	1.266	.887	5.944	18960.	2166.	.37	91340.	.565
%RSD	22.75	18.54	11.25	636.9	3.899	.3086	.5137	7.049	28.65
#1	3.476	5.449	6.946	7.140	469900.	703000.	71.98	1400000.	1.751
#2	2.191	7.935	8.006	-4.708	481900.	703600.	72.71	1228000.	1.553
#3	2.807	7.111	8.708	.3679	507100.	699600.	72.27	1260000.	2.616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.596	9.194	8.754	-5.315	-1.095	11.98	5.302	-1.219	2531.
Stddev	2.381	2.592	4.595	1.912	.901	.46	.544	.670	21.
%RSD	42.55	28.20	52.49	35.98	82.30	3.868	10.27	54.94	.8453
#1	6.003	6.229	13.79	-4.062	-1.951	11.76	5.437	-1.727	2512.
#2	3.038	10.32	4.786	-7.517	-1.181	11.67	4.703	-.4600	2526.
#3	7.747	11.03	7.689	-4.367	-.1541	12.51	5.766	-1.469	2554.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	853.2	902.9	4873.	1.106
Stddev	2.0	46.4	21.	.502
%RSD	.2359	5.134	.4365	45.38
#1	851.1	894.8	4852.	1.339
#2	853.4	861.1	4895.	.5297
#3	855.1	952.7	4871.	1.448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	18509.	25769.	7042.6
Stddev	236.	817.	320.0
%RSD	1.2770	3.1704	4.5434
#1	18773.	26677.	7300.1
#2	18318.	25536.	7143.4
#3	18436.	25093.	6684.4

Sample Name: AN03608 Acquired: 8/14/2011 19:49:43 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2836	14.28	-49.91	25.17	32.11	2.429	227200.	.3074	.0448
Stddev	2.196	.53	66.38	6.83	2.52	.320	2586.	.3025	.6393
%RSD	774.5	3.723	133.0	27.15	7.860	13.17	1.138	98.41	1428.
#1	-.6890	14.87	-10.82	32.95	29.19	2.183	229700.	.6427	-.3914
#2	-2.249	14.13	-126.6	22.43	33.57	2.791	227400.	.2245	.7786
#3	2.087	13.84	-12.36	20.13	33.55	2.313	224600.	.0550	-.2529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.029	8.408	197.2	168.9	501200.	687300.	75.78	F 1251000.	1.810
Stddev	.842	1.177	.8	11.3	23240.	4270.	.24	86670.	.211
%RSD	27.80	14.00	.4277	6.687	4.637	.6212	.3203	6.925	11.65
#1	3.329	9.284	196.3	160.6	474600.	692100.	75.61	1333000.	1.620
#2	3.680	7.070	197.9	181.7	511800.	686100.	75.66	1261000.	2.037
#3	2.078	8.868	197.4	164.3	517300.	683800.	76.05	1161000.	1.773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.365	16.32	3.944	-7.047	-.9583	15.79	6.369	2.026	2518.
Stddev	1.098	9.76	9.486	1.076	1.030	.10	.622	.809	19.
%RSD	14.91	59.83	240.5	15.26	107.5	.6118	9.769	39.91	.7694
#1	7.848	17.31	12.96	-8.065	-.6415	15.74	6.960	2.020	2497.
#2	8.139	6.095	-5.949	-7.153	-2.110	15.73	5.720	1.221	2534.
#3	6.108	25.54	4.821	-5.922	-.1237	15.91	6.426	2.838	2524.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	1034.	1038.	4714.	2.553
Stddev	15.	18.	18.	2.562
%RSD	1.486	1.712	.3778	100.4
#1	1016.	1028.	4734.	-.3588
#2	1043.	1027.	4708.	3.556
#3	1043.	1058.	4700.	4.461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	17573.	25260.	6624.2
Stddev	256.	591.	380.9
%RSD	1.4591	2.3390	5.7507
#1	17755.	25932.	7057.3
#2	17684.	24820.	6341.1
#3	17279.	25029.	6474.3

Sample Name: PBW-2 B19P12 Acquired: 8/14/2011 19:54:10 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.877**	**4.992**	**40.00**	F **24.43**	**13.73**	**2.083**	**11.99**	**-.0130**	**-.4072**	**-1.182**	**7.095**
Stddev	.340	1.988	111.4	3.99	1.30	.483	15.25	.2388	.3174	.639	1.275
%RSD	11.80	39.83	278.4	16.32	9.488	23.19	127.1	1836.	77.97	54.06	17.97
#1	-2.758	6.171	163.1	28.59	14.41	2.616	29.57	.1505	-.7259	-.9827	8.270
#2	-2.614	2.697	-53.76	20.64	14.55	1.673	2.286	-.2871	-.4046	-.6666	7.277
#3	-3.260	6.109	10.65	24.05	12.23	1.960	4.127	.0975	-.0910	-1.897	5.739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				8.000							
Low Limit				-8.000							

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4312**	**-8.701**	F **13410.**	**55.29**	**-.1980**	F **73200.**	**-.9928**	**3.705**	**12.77**	F **21.61**	**-5.713**
Stddev	.6885	15.32	1344.	22.44	.0547	4029.	.3693	1.733	7.27	3.40	2.119
%RSD	159.7	176.0	10.02	40.58	27.65	5.504	37.19	46.77	56.93	15.72	37.10
#1	.0144	3.385	14840.	64.79	-.1358	77690.	-1.219	1.738	19.91	23.09	-6.020
#2	.0534	-3.563	13220.	29.67	-.2193	72030.	-.5667	4.369	5.370	17.73	-3.457
#3	1.226	-25.92	12180.	71.42	-.2389	69890.	-1.193	5.008	13.04	24.02	-7.662
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			500.0			1000.				20.00	
Low Limit			-500.0			-1000.				-20.00	

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.403**	**.1815**	**.1313**	**-.7145**	**-6.922**	**-5.427**	**-21.40**	**.3518**	**1.544**
Stddev	.289	.1582	.5854	.3021	1.039	6.001	65.74	.6881	.755
%RSD	20.63	87.17	445.7	42.28	15.01	110.6	307.2	195.6	48.88
#1	-1.481	.3504	.5312	-1.059	-5.946	-12.36	-97.31	-.1322	2.405
#2	-1.645	.0368	.4034	-.5873	-6.805	-1.987	16.05	1.139	.9931
#3	-1.082	.1571	-.5406	-.4969	-8.014	-1.937	17.05	.0480	1.235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**18898.**	**26510.**	**5493.2**
Stddev	311.	519.	166.1
%RSD	1.6460	1.9582	3.0233
#1	18578.	26085.	5301.6
#2	18917.	26356.	5582.5
#3	19200.	27088.	5595.6

Sample Name: LCSW-3 B19P12 Acquired: 8/14/2011 19:58:29 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	233.9	F 6072.	4582.	F 261.6	226.7	183.2	4632.	220.3	198.5	220.0	221.4
Stddev	.6	45.	30.	3.1	2.0	.5	31.	1.8	1.0	2.7	.4
%RSD	.2376	.7387	.6499	1.200	.8836	.2963	.6792	.8033	.5217	1.240	.1608
#1	233.2	6035.	4564.	263.5	224.4	183.1	4597.	221.6	199.6	219.3	221.8
#2	234.3	6060.	4566.	263.4	228.2	183.8	4639.	221.1	198.4	217.7	221.4
#3	234.1	6122.	4616.	258.0	227.5	182.8	4659.	218.3	197.5	223.0	221.1
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		5000.		200.0							
Range		20.00%		20.00%							

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5642.	4932.	F 10720.	4378.	216.6	F 49840.	210.2	F 246.1	226.8	F 266.1	219.5
Stddev	51.	6.	118.	94.	2.1	1721.	.6	1.9	2.0	2.8	1.8
%RSD	.9035	.1157	1.096	2.155	.9670	3.453	.2929	.7570	.8892	1.066	.8203
#1	5591.	4930.	10820.	4484.	214.5	48600.	210.5	248.2	224.9	269.2	217.6
#2	5642.	4927.	10590.	4348.	216.5	49110.	210.6	245.6	226.5	265.6	219.7
#3	5693.	4938.	10760.	4302.	218.7	51800.	209.5	244.5	228.9	263.6	221.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value			5000.			5000.		200.0		200.0	
Range			20.00%			20.00%		20.00%		20.00%	

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	213.9	239.1	209.1	208.5	189.9	4648.	4135.	207.4	234.3
Stddev	2.4	2.9	.2	1.4	.6	23.	29.	.6	2.0
%RSD	1.114	1.200	.1071	.6747	.3093	.5027	.6945	.2956	.8320
#1	213.0	241.6	208.9	207.6	189.5	4670.	4168.	206.8	235.3
#2	212.1	239.7	209.0	207.9	190.6	4624.	4123.	207.5	235.6
#3	216.6	236.0	209.3	210.2	189.6	4649.	4115.	208.0	232.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	21314.	30886.	6773.9
Stddev	90.	750.	157.8
%RSD	.42269	2.4293	2.3294
#1	21235.	30384.	6859.3
#2	21295.	30527.	6870.6
#3	21412.	31749.	6591.8

Sample Name: CCV Acquired: 8/14/2011 20:02:42 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**208.8**	**5485.**	**4564.**	**225.8**	**206.7**	**172.9**	**4617.**	**206.3**	**189.7**	**216.0**	**210.8**
Stddev	1.5	63.	22.	3.3	4.6	.6	11.	.9	.6	.4	1.5
%RSD	.7237	1.149	.4888	1.479	2.205	.3620	.2362	.4162	.3318	.1890	.7280
#1	210.5	5558.	4585.	229.6	211.7	172.3	4622.	207.2	189.0	215.6	212.3
#2	207.6	5454.	4541.	223.2	205.7	172.9	4623.	205.8	190.2	216.4	210.9
#3	208.3	5444.	4565.	224.7	202.8	173.5	4604.	205.7	190.0	216.0	209.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5368.**	**4704.**	**F 9523.**	**4472.**	**211.1**	**F 35210.**	**198.7**	**219.9**	**201.8**	**226.2**	**205.9**
Stddev	51.	35.	362.	74.	1.9	3346.	.0	6.0	2.6	3.7	3.4
%RSD	.9553	.7517	3.803	1.649	.8856	9.504	.0184	2.712	1.287	1.652	1.630
#1	5314.	4693.	9941.	4397.	209.1	38940.	198.6	213.5	204.6	224.1	202.1
#2	5373.	4744.	9328.	4544.	211.6	34190.	198.7	225.3	201.3	223.9	207.5
#3	5417.	4676.	9300.	4474.	212.7	32490.	198.7	221.0	199.5	230.5	208.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			5000.			5000.					
Range			20.00%			20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.7**	**211.5**	**198.6**	**198.6**	**188.0**	**5304.**	**4824.**	**202.7**	**214.6**
Stddev	1.0	1.0	1.2	.8	1.0	59.	109.	.7	1.5
%RSD	.5046	.4799	.6020	.3952	.5198	1.113	2.252	.3559	.7081
#1	202.8	212.6	197.8	197.7	188.4	5371.	4949.	201.9	216.3
#2	201.3	210.6	200.0	199.0	188.7	5281.	4751.	203.3	213.5
#3	200.9	211.2	198.1	199.2	186.9	5260.	4772.	202.9	214.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24723.**	**36464.**	**8294.2**
Stddev	619.	1233.	565.4
%RSD	2.5038	3.3806	6.8167
#1	24015.	35063.	7663.0
#2	24994.	37384.	8465.0
#3	25160.	36944.	8754.4

Sample Name: CCB Acquired: 8/14/2011 20:06:55 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6453	3.298	20.67	F 8.973	5.053	.0268	5.987	-.0760	-.3497	-.3200	2.228
Stddev	.6538	.942	11.81	6.034	.565	.3699	7.938	.1992	.1949	.6695	1.340
%RSD	101.3	28.56	57.12	67.25	11.17	1382.	132.6	262.2	55.73	209.2	60.15
#1	.1063	2.238	18.89	2.491	4.781	.4481	-3.162	.0936	-.5723	.3029	3.246
#2	-1.082	4.039	33.27	14.43	4.677	-.1236	10.07	-.2954	-.2104	-1.028	.7097
#3	-.9598	3.617	9.854	10.00	5.702	-.2442	11.06	-.0261	-.2662	-.2350	2.728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				8.000							
Low Limit				-8.000							

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.285	-3.199	F 3242.	5.357	-.0966	F 19580.	.0507	-.8039	7.515	.3959	-2.713
Stddev	.196	3.161	249.	26.21	.0535	1910.	.1872	2.155	.280	2.146	2.585
%RSD	15.24	98.83	7.667	489.3	55.40	9.756	369.4	268.0	3.725	542.2	95.29
#1	1.063	.2469	3436.	9.918	-.1575	21440.	-.1143	1.432	7.717	2.858	-1.004
#2	1.356	-3.878	3328.	-22.84	-.0754	19680.	.2541	-2.867	7.196	-.5869	-1.448
#3	1.435	-5.966	2961.	28.99	-.0569	17620.	.0122	-.9768	7.634	-1.083	-5.687
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.0			1000.					
Low Limit			-500.0			-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3774	.1081	.0596	-.1089	-1.507	-5.745	2.910	-1.096	.4160
Stddev	.3772	.1625	.3974	.4189	1.417	3.623	15.20	.293	1.233
%RSD	99.96	150.4	667.2	384.8	94.06	63.06	522.5	26.75	296.4
#1	-.8066	.1769	-.2184	.3694	-.5268	-9.580	19.69	-1.308	-.2841
#2	-.0989	.2249	.5148	-.2856	-3.132	-5.277	-9.937	-.7614	-.3074
#3	-.2265	-.0775	-.1177	-.4105	-.8620	-2.379	-1.028	-1.218	1.839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	27270.	39852.	9706.6
Stddev	495.	530.	304.6
%RSD	1.8143	1.3303	3.1377
#1	27280.	39297.	9405.5
#2	26770.	39908.	9699.8
#3	27759.	40353.	10014.

Sample Name: LCSW-4 B19P12 Acquired: 8/14/2011 20:11:16 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**222.1**	**5470.**	**4967.**	**216.8**	**218.7**	**196.7**	**5098.**	**208.3**	**206.3**	**226.4**	**210.9**
Stddev	1.2	11.	40.	2.4	2.2	1.4	12.	.4	.2	.3	1.5
%RSD	.5486	.2007	.7993	1.100	.9911	.7126	.2335	.1795	.0792	.1173	.6992
#1	223.5	5461.	5001.	214.0	219.3	195.1	5108.	208.6	206.5	226.7	209.8
#2	221.3	5467.	4923.	218.1	216.3	197.2	5085.	208.5	206.3	226.2	210.2
#3	221.6	5483.	4977.	218.2	220.5	197.8	5102.	207.9	206.2	226.5	212.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5755.**	**5054.**	F **6840.**	**4867.**	**224.9**	F **20010.**	**211.9**	**219.9**	**203.1**	**221.5**	**207.6**
Stddev	16.	28.	317.	26.	.6	1749.	1.1	1.8	4.3	4.6	1.3
%RSD	.2842	.5462	4.635	.5310	.2752	8.742	.5037	.8215	2.100	2.084	.6412
#1	5769.	5025.	7206.	4872.	225.6	22020.	212.7	221.7	207.3	221.9	206.3
#2	5737.	5056.	6653.	4890.	224.5	19150.	212.2	220.0	198.7	225.9	208.9
#3	5759.	5081.	6661.	4839.	224.7	18850.	210.7	218.1	203.2	216.7	207.6
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			5000.			5000.					
Range			20.00%			20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**218.4**	**217.6**	**207.0**	**215.8**	**196.4**	**4228.**	F **3934.**	**216.6**	**215.6**
Stddev	.7	.9	.6	.0	1.2	8.	35.	.5	1.1
%RSD	.2996	.3949	.2715	.0125	.6226	.1981	.8883	.2390	.4893
#1	219.1	218.0	207.5	215.8	195.0	4237.	3972.	216.1	216.2
#2	217.8	218.2	206.4	215.7	197.3	4221.	3902.	217.1	214.4
#3	218.2	216.7	207.2	215.8	196.8	4225.	3928.	216.7	216.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value							5000.		
Range							-20.00%		

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28249.**	**41599.**	**10323.**
Stddev	90.	537.	664.
%RSD	.31816	1.2910	6.4320
#1	28327.	42156.	9556.6
#2	28269.	41556.	10679.
#3	28151.	41084.	10732.

Sample Name: AN03609 Acquired: 8/14/2011 20:15:30 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2546**	**-33.76**	F **-125.1**	**13.13**	**25.30**	**1.690**	**231800.**	**.0180**	**2.338**
Stddev	.2145	3.50	39.6	.70	.58	.475	4548.	.1691	.491
%RSD	84.22	10.37	31.61	5.354	2.290	28.11	1.962	938.6	21.02
#1	-.0074	-35.07	-164.7	12.32	25.31	1.518	228600.	.1164	1.795
#2	-.3902	-29.79	-125.1	13.50	25.88	2.228	237000.	.1149	2.752
#3	-.3663	-36.41	-85.63	13.57	24.72	1.325	229800.	-.1773	2.468
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.390**	**3.618**	**5.351**	**7.708**	**372500.**	**699200.**	**68.25**	F **1437000.**	**2.047**
Stddev	.813	1.424	.334	1.487	16960.	8275.	.19	188200.	.487
%RSD	33.99	39.34	6.234	19.29	4.552	1.183	.2717	13.10	23.77
#1	1.744	4.535	5.176	7.640	353000.	689700.	68.04	1633000.	2.591
#2	2.125	1.978	5.736	9.228	382000.	704600.	68.38	1419000.	1.652
#3	3.302	4.342	5.141	6.257	382700.	703400.	68.33	1258000.	1.899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.816**	**9.440**	**1.573**	**-4.421**	**-.2607**	**12.86**	**7.166**	**-.3032**	**2548.**
Stddev	.898	9.450	1.105	.999	.2965	.22	.160	.4707	4.
%RSD	31.88	100.1	70.25	22.59	113.7	1.731	2.237	155.2	.1463
#1	3.853	20.33	.6306	-4.453	-.5736	12.94	7.138	-.5977	2551.
#2	2.321	3.349	2.789	-3.407	.0160	12.61	7.022	.2396	2544.
#3	2.275	4.646	1.299	-5.404	-.2245	13.03	7.339	-.5516	2549.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**801.6**	**810.2**	**4762.**	**1.371**
Stddev	.7	44.5	20.	2.087
%RSD	.0898	5.492	.4158	152.2
#1	801.4	765.4	4748.	2.439
#2	802.5	810.7	4785.	2.708
#3	801.1	854.4	4754.	-1.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**21004.**	**30807.**	**9823.6**
Stddev	241.	133.	248.6
%RSD	1.1455	.43103	2.5305
#1	20734.	30852.	10056.
#2	21086.	30658.	9561.8
#3	21194.	30912.	9852.5

Sample Name: AN03609 MS Acquired: 8/14/2011 20:20:03 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**241.8**	**3282.**	**4938.**	**250.3**	**244.9**	**193.5**	**244300.**	**207.4**	**200.7**
Stddev	.8	5.	48.	7.0	2.2	3.0	2698.	1.0	.3
%RSD	.3477	.1617	.9644	2.813	.8921	1.525	1.105	.4670	.1428
#1	241.0	3277.	4901.	258.4	242.7	196.7	241200.	207.0	200.9
#2	241.9	3287.	4992.	246.6	245.0	192.9	245100.	208.5	200.4
#3	242.7	3280.	4922.	245.8	247.1	190.9	246400.	206.7	200.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**228.0**	**208.3**	**5750.**	**4873.**	**406200.**	**724100.**	**296.0**	F **1315000.**	**205.4**
Stddev	1.7	1.0	40.	27.	16700.	5455.	1.1	97120.	2.8
%RSD	.7440	.4903	.6961	.5640	4.110	.7534	.3800	7.384	1.378
#1	227.6	207.3	5705.	4852.	387800.	729900.	294.7	1427000.	202.9
#2	226.6	208.2	5763.	4864.	410600.	723200.	296.6	1259000.	204.7
#3	229.9	209.3	5782.	4904.	420300.	719100.	296.7	1259000.	208.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**213.9**	**220.1**	**248.9**	**181.8**	**220.5**	**235.3**	**211.7**	**211.1**	**2787.**
Stddev	3.1	3.3	6.2	.9	1.2	2.9	.8	1.0	6.
%RSD	1.452	1.496	2.476	.5090	.5452	1.243	.3831	.4750	.2125
#1	210.4	221.0	246.5	180.7	219.4	232.0	211.4	212.2	2793.
#2	215.3	216.5	244.3	182.2	220.5	237.7	211.1	210.9	2786.
#3	216.1	222.9	255.9	182.4	221.8	236.3	212.6	210.2	2782.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**4937.**	**4772.**	**5119.**	**206.9**
Stddev	18.	49.	5.	2.2
%RSD	.3659	1.035	.0945	1.058
#1	4918.	4720.	5115.	204.3
#2	4938.	4819.	5124.	208.1
#3	4954.	4778.	5119.	208.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20554.**	**29969.**	**9134.2**
Stddev	137.	547.	611.1
%RSD	.66823	1.8240	6.6904
#1	20644.	30594.	9807.9
#2	20396.	29739.	8979.2
#3	20623.	29576.	8615.6

Sample Name: AN03609 SDL Acquired: 8/14/2011 20:24:30 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 5.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**215.9**	**3836.**	**4580.**	**278.6**	**251.4**	**191.8**	**247400.**	**206.2**	**199.9**
Stddev	5.8	37.	146.	5.0	4.4	2.4	666.	1.0	3.0
%RSD	2.666	.9554	3.184	1.797	1.761	1.264	.2691	.4959	1.504
#1	218.9	3825.	4745.	273.2	256.4	193.9	247300.	207.4	203.3
#2	219.6	3806.	4466.	279.7	250.1	192.5	248100.	205.7	198.2
#3	209.3	3877.	4530.	283.0	247.8	189.1	246800.	205.6	198.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**219.3**	**205.3**	**5530.**	**4747.**	**355400.**	**720800.**	**286.2**	F **4565000.**	**202.8**
Stddev	3.9	1.8	53.	15.	3236.	1177.	3.4	85500.	1.7
%RSD	1.758	.8788	.9655	.3204	.9107	.1633	1.202	1.873	.8556
#1	219.2	205.6	5548.	4762.	357700.	720500.	287.1	4631000.	202.2
#2	223.2	203.3	5469.	4747.	356800.	722100.	282.4	4596000.	201.4
#3	215.5	206.9	5571.	4732.	351700.	719800.	289.1	4468000.	204.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**220.3**	**233.4**	**243.9**	**170.6**	**207.5**	**230.0**	**204.5**	**205.0**	**2748.**
Stddev	18.4	23.8	40.6	11.2	4.7	.9	1.3	3.2	6.
%RSD	8.370	10.18	16.63	6.576	2.259	.3779	.6417	1.550	.2257
#1	205.8	230.5	287.4	157.7	202.3	229.0	203.0	203.6	2755.
#2	214.1	211.2	207.2	176.9	211.5	230.4	205.2	202.8	2743.
#3	241.1	258.5	237.2	177.3	208.6	230.6	205.3	208.7	2747.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**4802.**	**4772.**	**5017.**	**210.8**
Stddev	30.	135.	47.	6.3
%RSD	.6254	2.834	.9369	3.010
#1	4800.	4794.	5008.	211.1
#2	4772.	4627.	4975.	204.4
#3	4832.	4895.	5068.	217.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24511.**	**36085.**	**9597.9**
Stddev	59.	478.	286.5
%RSD	.23969	1.3245	2.9846
#1	24444.	35697.	9273.8
#2	24537.	36619.	9702.7
#3	24552.	35938.	9817.3

Sample Name: AN03610 Acquired: 8/14/2011 20:28:58 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.648**	**-2.381**	F **-98.60**	**14.35**	**27.21**	**1.581**	**234900.**	**-.1404**	**.0809**
Stddev	.618	1.766	31.84	3.45	1.22	.323	3067.	.1445	.4099
%RSD	37.51	74.19	32.29	24.02	4.495	20.43	1.306	103.0	506.8
#1	-1.830	-1.824	-128.9	17.56	27.69	1.268	237900.	-.0707	-.1244
#2	-2.154	-4.358	-101.4	14.79	25.82	1.914	231700.	-.3066	.5529
#3	-.9592	-.9598	-65.46	10.71	28.11	1.562	235000.	-.0439	-.1858
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.736**	**5.025**	**116.8**	**88.57**	**406600.**	**698900.**	**73.55**	F **1311000.**	**2.291**
Stddev	.355	.526	1.5	5.34	15840.	6506.	.45	166700.	1.069
%RSD	9.512	10.47	1.265	6.029	3.895	.9309	.6098	12.72	46.65
#1	3.977	5.259	118.2	92.49	398600.	706400.	74.07	1503000.	1.788
#2	3.904	4.423	115.2	90.73	396300.	695900.	73.26	1215000.	1.567
#3	3.328	5.394	116.9	82.49	424800.	694500.	73.33	1213000.	3.519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.258**	**8.256**	**2.157**	**-5.099**	**-.1096**	**15.75**	**6.468**	**1.169**	**2550.**
Stddev	1.418	3.739	6.108	5.070	.5988	.20	.821	.138	10.
%RSD	22.67	45.29	283.1	99.43	546.5	1.299	12.70	11.78	.3990
#1	4.627	12.08	6.774	-.2588	.5269	15.93	5.859	1.171	2555.
#2	6.949	8.078	4.466	-4.667	-.6618	15.53	7.402	1.306	2556.
#3	7.199	4.608	-4.768	-10.37	-.1939	15.79	6.142	1.030	2538.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**929.7**	**966.3**	**4783.**	**2.021**
Stddev	4.9	52.2	19.	1.405
%RSD	.5271	5.400	.4025	69.53
#1	934.1	999.4	4802.	.5599
#2	924.4	906.1	4764.	2.140
#3	930.7	993.3	4782.	3.363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20426.**	**29564.**	**8497.3**
Stddev	378.	161.	249.1
%RSD	1.8503	.54552	2.9316
#1	20402.	29378.	8579.3
#2	20815.	29641.	8695.2
#3	20061.	29672.	8217.6

Sample Name: AN03611 Acquired: 8/14/2011 20:33:27 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7494	-34.18	F -128.7	19.41	28.09	1.281	234600.	.1435	1.044
Stddev	.5413	.86	13.7	7.47	.23	.404	910.	.1321	.154
%RSD	72.23	2.516	10.62	38.48	.8116	31.52	.3880	92.02	14.79
#1	-.5214	-35.17	-138.0	11.81	28.32	1.195	233600.	.1658	1.111
#2	-1.367	-33.63	-113.0	26.74	27.87	.9269	235300.	.2631	1.154
#3	-.3594	-33.74	-135.2	19.70	28.06	1.720	234900.	.0017	.8674
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.800	6.519	10.31	4.090	432400.	694100.	68.98	F 1249000.	1.578
Stddev	.894	1.144	1.34	6.563	16390.	2340.	.42	38620.	1.034
%RSD	49.69	17.55	12.95	160.5	3.791	.3372	.6055	3.092	65.55
#1	1.760	5.819	11.02	9.977	413600.	696800.	69.47	1291000.	2.739
#2	2.713	5.898	11.15	-2.987	439900.	692300.	68.73	1215000.	.7533
#3	.9258	7.839	8.773	5.280	443700.	693300.	68.75	1242000.	1.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1501	10.25	2.290	-5.203	-.5420	12.44	5.885	-.2663	2538.
Stddev	2.103	5.04	2.475	1.329	1.181	.28	1.101	.6339	3.
%RSD	1400.	49.21	108.1	25.55	217.8	2.244	18.70	238.0	.1227
#1	-2.475	5.243	5.129	-6.697	-.1023	12.67	6.733	-.6063	2537.
#2	1.617	15.33	1.158	-4.760	.3556	12.53	6.281	.4651	2541.
#3	.4079	10.17	.5832	-4.152	-1.879	12.13	4.641	-.6577	2535.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	826.1	827.8	4834.	1.368
Stddev	1.9	32.2	28.	.760
%RSD	.2282	3.891	.5806	55.59
#1	827.5	794.3	4865.	.9391
#2	824.0	830.5	4829.	.9185
#3	826.8	858.6	4810.	2.246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19876.	28609.	8110.3
Stddev	576.	425.	454.6
%RSD	2.8961	1.4867	5.6053
#1	20450.	28999.	8577.9
#2	19879.	28673.	8083.0
#3	19299.	28156.	7669.9

Sample Name: AN03612 Acquired: 8/14/2011 20:37:57 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.198**	**199.5**	**170.5**	**14.88**	**30.07**	**1.823**	**235600.**	**-.0337**	**-.0880**
Stddev	.601	3.5	31.0	2.43	1.01	.318	943.	.2358	.3934
%RSD	50.13	1.739	18.17	16.33	3.368	17.46	.4003	699.1	447.1
#1	-.6861	196.7	163.3	17.61	28.95	1.761	236400.	.2386	.3172
#2	-1.050	198.5	204.5	12.95	30.91	1.540	234500.	-.1714	-.1127
#3	-1.860	203.4	143.8	14.08	30.36	2.168	235800.	-.1684	-.4685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.715**	**7.959**	**863.7**	**698.3**	**435600.**	**687800.**	**103.9**	F **1336000.**	**3.473**
Stddev	1.171	.243	4.3	12.6	2850.	4146.	.4	70360.	1.335
%RSD	20.49	3.059	.4921	1.807	.6543	.6028	.3771	5.265	38.45
#1	4.491	8.102	858.9	684.0	433800.	692100.	103.5	1416000.	4.613
#2	5.832	7.678	865.5	703.1	434000.	683800.	104.1	1283000.	2.004
#3	6.824	8.099	866.8	707.8	438800.	687600.	104.2	1309000.	3.803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.58**	**.5671**	**6.468**	**-5.329**	**-.9736**	**21.03**	**6.355**	**10.95**	**2525.**
Stddev	1.48	5.840	3.345	2.995	.4604	.07	.683	.39	2.
%RSD	14.03	1030.	51.71	56.20	47.29	.3324	10.74	3.548	.0801
#1	8.941	-1.598	9.952	-2.789	-1.036	21.11	5.642	10.53	2524.
#2	10.96	-3.881	6.171	-4.567	-.4850	20.99	7.002	11.30	2523.
#3	11.84	7.181	3.283	-8.632	-1.399	21.00	6.422	11.01	2527.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1646.**	**1609.**	**4845.**	**1.291**
Stddev	11.	54.	21.	.683
%RSD	.6641	3.377	.4279	52.89
#1	1658.	1634.	4823.	2.001
#2	1642.	1547.	4864.	1.231
#3	1637.	1647.	4848.	.6396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19769.	27497.	7821.6
Stddev	108.	264.	58.1
%RSD	.54484	.96046	.74305
#1	19763.	27754.	7789.1
#2	19879.	27512.	7888.6
#3	19664.	27226.	7786.9

Sample Name: AN03613 Acquired: 8/14/2011 20:42:26 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7282**	**-36.07**	F **-123.3**	**17.71**	**28.21**	**2.277**	**233700.**	**.1441**	**2.700**
Stddev	1.225	1.66	48.9	4.55	1.90	.495	1872.	.1774	.440
%RSD	168.3	4.608	39.67	25.67	6.717	21.75	.8013	123.1	16.29
#1	.3428	-36.05	-89.71	12.70	30.24	2.119	235100.	.3232	2.964
#2	-.4630	-37.74	-179.4	21.57	26.49	1.879	231500.	-.0316	2.944
#3	-2.064	-34.41	-100.7	18.87	27.89	2.831	234400.	.1406	2.192
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.590**	**3.886**	**7.224**	**-.7325**	**423600.**	**683200.**	**76.36**	F **1265000.**	**2.440**
Stddev	.475	.363	1.208	6.907	2569.	3648.	.43	129800.	.267
%RSD	18.33	9.344	16.72	943.0	.6065	.5339	.5623	10.26	10.96
#1	2.442	3.954	8.544	6.935	425900.	686600.	76.53	1411000.	2.708
#2	3.122	4.210	6.175	-6.469	420800.	679300.	76.68	1224000.	2.438
#3	2.208	3.493	6.954	-2.664	424100.	683500.	75.88	1161000.	2.173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.182**	**8.368**	**8.128**	**-4.607**	**-.0909**	**12.26**	**6.554**	**-.1788**	**2539.**
Stddev	2.516	6.699	4.680	4.796	.4623	.42	.409	.0707	9.
%RSD	115.3	80.05	57.58	104.1	508.5	3.417	6.249	39.53	.3435
#1	1.403	5.791	8.941	-4.295	-.5890	12.44	6.111	-.1551	2534.
#2	.1480	15.97	3.095	.0255	-.0080	12.57	6.919	-.1230	2549.
#3	4.995	3.340	12.35	-9.552	.3243	11.78	6.631	-.2583	2534.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**820.7**	**835.7**	**4791.**	**.5061**
Stddev	9.1	4.7	32.	.8707
%RSD	1.114	.5613	.6624	172.0
#1	826.4	834.2	4810.	-.4970
#2	825.5	832.0	4808.	.9482
#3	810.2	841.0	4754.	1.067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20187.**	**28631.**	**8347.8**
Stddev	465.	308.	264.3
%RSD	2.3027	1.0740	3.1655
#1	19923.	28347.	8084.2
#2	20724.	28958.	8346.6
#3	19915.	28587.	8612.7

Sample Name: AN03614 Acquired: 8/14/2011 20:46:55 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9151	63.19	-8.651	18.94	28.66	2.136	233300.	.0519	-.3420
Stddev	1.385	1.46	41.88	9.64	1.46	.248	1264.	.2496	.3786
%RSD	151.3	2.312	484.0	50.89	5.096	11.61	.5417	481.3	110.7
#1	-1.998	64.28	-2.395	24.02	27.34	2.332	234500.	-.0248	-.2214
#2	-1.393	61.53	-53.30	7.823	30.23	2.219	233400.	.3308	-.7663
#3	.6453	63.76	29.74	24.97	28.41	1.857	232000.	-.1504	-.0385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.147	14.98	356.0	287.0	428100.	685500.	85.97	F 1275000.	2.630
Stddev	1.044	.74	1.1	6.1	6624.	2725.	.28	32220.	.334
%RSD	33.17	4.912	.2967	2.133	1.547	.3975	.3244	2.527	12.70
#1	2.880	14.61	355.6	287.3	420400.	687900.	85.77	1310000.	2.377
#2	4.299	14.50	357.3	293.0	431400.	686000.	86.29	1247000.	3.009
#3	2.263	15.83	355.3	280.7	432300.	682500.	85.85	1268000.	2.505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.422	13.30	1.041	-5.489	.0130	20.74	6.285	4.369	2524.
Stddev	4.331	6.90	5.754	2.662	.5972	.12	.783	.474	4.
%RSD	97.95	51.83	552.5	48.50	4587.	.5713	12.47	10.84	.1466
#1	7.608	18.54	7.421	-6.548	.5530	20.63	5.508	4.073	2520.
#2	-.5097	15.89	-.5387	-2.460	-.6284	20.73	7.075	4.916	2523.
#3	6.166	5.490	-3.758	-7.458	.1145	20.87	6.272	4.120	2527.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	1146.	1138.	4754.	-.4241
Stddev	10.	88.	7.	.5319
%RSD	.8391	7.740	.1431	125.4
#1	1140.	1127.	4759.	.0411
#2	1141.	1232.	4747.	-1.004
#3	1157.	1057.	4757.	-.3094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19353.	28392.	8020.9
Stddev	118.	719.	346.4
%RSD	.61081	2.5331	4.3188
#1	19489.	29006.	8377.5
#2	19289.	28569.	7999.5
#3	19280.	27601.	7685.7

Sample Name: AN03615 Acquired: 8/14/2011 20:51:25 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7272	-36.80	F -139.1	19.28	30.35	2.245	233100.	.2296	1.655
Stddev	.6937	1.09	106.6	8.74	.64	.412	2709.	.1076	.181
%RSD	95.40	2.962	76.64	45.32	2.116	18.37	1.162	46.85	10.96
#1	-.0344	-36.41	-27.63	21.19	30.95	2.085	234400.	.2558	1.500
#2	-.7251	-35.95	-149.6	26.89	29.67	1.936	234800.	.1114	1.610
#3	-1.422	-38.03	-240.1	9.741	30.43	2.713	229900.	.3217	1.854
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.972	7.637	4.076	1.919	444700.	681700.	73.49	F 1311000.	2.511
Stddev	.497	1.552	.484	6.265	6153.	2191.	.99	127000.	.592
%RSD	16.72	20.32	11.88	326.6	1.383	.3214	1.345	9.689	23.58
#1	2.522	8.894	4.607	7.177	437800.	683300.	74.55	1455000.	1.830
#2	2.887	5.903	3.660	3.592	449700.	682600.	72.59	1259000.	2.902
#3	3.506	8.113	3.960	-5.014	446700.	679200.	73.33	1218000.	2.801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.585	13.17	-.6160	-5.402	-.0267	14.89	6.200	-.4916	2538.
Stddev	1.485	9.96	1.530	2.331	1.185	.41	.576	.5102	7.
%RSD	57.45	75.60	248.4	43.15	4442.	2.731	9.293	103.8	.2674
#1	.8888	6.784	-1.941	-6.769	-1.326	14.44	6.001	-.1194	2532.
#2	3.215	8.085	1.058	-6.726	.9930	15.02	5.749	-.2823	2537.
#3	3.652	24.65	-.9656	-2.710	.2532	15.22	6.849	-1.073	2546.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	830.0	868.0	4830.	.7691
Stddev	12.5	53.5	46.	.7357
%RSD	1.504	6.164	.9442	95.65
#1	840.1	876.0	4882.	.2505
#2	833.9	810.9	4797.	.4458
#3	816.0	917.0	4810.	1.611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19419.	28350.	7683.0
Stddev	88.	743.	144.3
%RSD	.45359	2.6195	1.8779
#1	19322.	27542.	7516.4
#2	19494.	28504.	7762.6
#3	19441.	29003.	7769.8

Sample Name: CCV Acquired: 8/14/2011 20:55:53 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**216.1**	**5689.**	**4656.**	**226.1**	**214.6**	**171.1**	**4595.**	**204.9**	**188.0**	**220.5**	**214.9**
Stddev	1.4	34.	119.	2.0	.9	.7	77.	.6	.3	2.2	.7
%RSD	.6543	.5905	2.550	.9015	.4362	.4333	1.665	.2844	.1400	.9972	.3236
#1	216.5	5699.	4590.	228.0	213.5	170.7	4605.	204.2	188.3	222.5	214.1
#2	217.2	5717.	4793.	226.4	215.2	171.9	4666.	205.3	187.8	221.0	215.1
#3	214.5	5652.	4584.	224.0	215.1	170.5	4514.	205.2	188.1	218.1	215.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5543.**	**4520.**	F **13760.**	**4237.**	**215.9**	F **53380.**	**198.4**	**222.7**	**208.7**	**232.1**	**204.9**
Stddev	63.	36.	837.	66.	1.8	1871.	1.4	3.6	6.4	2.3	2.8
%RSD	1.139	.8017	6.084	1.550	.8476	3.505	.7215	1.603	3.049	.9694	1.369
#1	5527.	4496.	14130.	4308.	215.5	53530.	199.9	223.5	206.5	233.4	206.6
#2	5613.	4562.	14350.	4225.	217.9	55170.	198.0	225.8	203.8	229.5	206.5
#3	5489.	4503.	12800.	4178.	214.3	51440.	197.1	218.8	215.9	233.5	201.7
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			5000.			5000.					
Range			20.00%			20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**205.9**	**212.2**	**200.0**	**201.7**	**185.5**	**5428.**	**4720.**	**206.0**	**215.8**
Stddev	1.8	1.3	.8	.8	2.0	19.	42.	3.1	.7
%RSD	.8893	.6358	.3968	.3889	1.086	.3511	.8811	1.500	.3100
#1	207.9	210.8	200.4	202.5	184.1	5443.	4766.	208.7	215.6
#2	205.5	213.4	199.0	201.6	187.8	5436.	4710.	206.6	216.5
#3	204.3	212.4	200.4	201.0	184.6	5407.	4684.	202.7	215.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23670.**	**34336.**	**7536.5**
Stddev	304.	250.	201.0
%RSD	1.2841	.72798	2.6675
#1	23997.	34573.	7765.4
#2	23396.	34361.	7455.3
#3	23617.	34075.	7388.7

Sample Name: CCB Acquired: 8/14/2011 21:00:06 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.076	2.207	18.74	F 14.45	8.659	.4375	2.006	.0244	.0925	1.289	3.496
Stddev	1.440	.609	37.48	3.98	2.166	.8043	7.046	.2543	.4386	.500	.895
%RSD	133.8	27.62	200.0	27.52	25.01	183.8	351.3	1044.	474.2	38.76	25.60
#1	-2.454	2.500	16.88	19.03	9.304	-.0598	7.350	.2117	.5694	1.816	3.970
#2	-1.194	1.506	-17.77	12.46	10.43	1.365	-5.979	.1266	.0016	1.230	4.055
#3	.4187	2.615	57.12	11.87	6.244	.0069	4.646	-.2652	-.2936	.8219	2.464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				8.000							
Low Limit				-8.000							

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1589	-12.62	F 4663.	49.18	-.1239	F 35220.	.5775	1.012	7.391	.5686	-5.987
Stddev	.5950	2.36	405.	41.62	.0462	2554.	.5370	1.285	1.442	4.853	1.269
%RSD	374.4	18.74	8.675	84.64	37.28	7.254	92.97	126.9	19.50	853.6	21.19
#1	-.7001	-13.19	4631.	23.20	-.1440	36250.	1.187	2.489	5.947	2.169	-7.211
#2	.4782	-14.64	5083.	97.19	-.1566	37090.	.3724	.1532	8.830	4.420	-4.678
#3	-.2549	-10.02	4276.	27.14	-.0711	32310.	.1734	.3948	7.397	-4.883	-6.072
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.0			1000.					
Low Limit			-500.0			-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5424	-.5113	-.2671	-.6106	-4.644	-1.058	36.37	-.0011	-.0785
Stddev	.2843	.1090	.6748	.2121	1.116	4.531	29.36	.8704	1.484
%RSD	52.42	21.31	252.6	34.73	24.03	428.2	80.74	80940.	1891.
#1	-.8394	-.5525	.3048	-.8323	-3.439	4.174	18.65	.0821	.3993
#2	-.2728	-.3878	-1.011	-.5896	-5.643	-3.722	20.19	.8248	-1.743
#3	-.5150	-.5937	-.0948	-.4097	-4.849	-3.626	70.26	-.9101	1.108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24739.	36152.	7852.5
Stddev	611.	1435.	287.0
%RSD	2.4682	3.9679	3.6552
#1	24048.	34747.	7716.6
#2	24961.	36096.	7658.6
#3	25207.	37614.	8182.2

Sample Name: AN03616 Acquired: 8/14/2011 21:04:28 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.189**	**83.95**	**69.65**	**20.41**	**28.85**	**2.034**	**235700.**	**-.0557**	**-.2941**
Stddev	.592	.77	37.52	6.92	1.11	.645	950.	.0706	.2492
%RSD	49.73	.9190	53.86	33.87	3.859	31.73	.4030	126.7	84.72
#1	-.8974	84.80	75.21	13.44	30.06	1.408	236600.	-.0694	-.2742
#2	-1.870	83.29	104.1	20.53	27.87	1.998	235800.	-.1185	-.0555
#3	-.8005	83.75	29.67	27.27	28.62	2.697	234700.	.0207	-.5527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.346**	**5.421**	**422.6**	**333.1**	**426700.**	**688300.**	**87.62**	F **1362000.**	**2.347**
Stddev	.743	.920	3.9	11.6	6468.	3544.	.43	128500.	.603
%RSD	22.22	16.98	.9203	3.491	1.516	.5149	.4904	9.434	25.70
#1	2.915	4.396	418.1	346.1	419900.	692400.	87.13	1511000.	2.021
#2	2.918	6.176	424.7	329.8	427300.	686000.	87.93	1293000.	3.043
#3	4.204	5.691	425.0	323.5	432800.	686500.	87.80	1283000.	1.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.621**	**8.632**	**5.323**	**-4.787**	**-.2985**	**15.90**	**6.610**	**5.586**	**2582.**
Stddev	1.172	8.261	6.880	3.410	.1917	.07	.746	.258	12.
%RSD	44.71	95.71	129.2	71.23	64.21	.4551	11.28	4.627	.4550
#1	1.962	14.40	13.07	-.9238	-.1430	15.84	5.809	5.831	2595.
#2	3.975	12.33	2.956	-7.377	-.2398	15.89	7.284	5.612	2578.
#3	1.928	-.8323	-.0609	-6.061	-.5126	15.98	6.736	5.316	2572.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1231.**	**1216.**	**4889.**	**1.223**
Stddev	7.	62.	9.	1.480
%RSD	.5725	5.081	.1928	121.0
#1	1233.	1201.	4882.	-.3985
#2	1223.	1163.	4886.	2.501
#3	1236.	1284.	4900.	1.565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20383.**	**29293.**	**8217.6**
Stddev	131.	962.	178.3
%RSD	.64450	3.2831	2.1695
#1	20496.	30226.	8226.7
#2	20239.	29349.	8391.2
#3	20415.	28305.	8035.0

Sample Name: AN03617 Acquired: 8/14/2011 21:08:59 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.209	-32.24	F -153.3	16.05	27.55	1.941	235200.	.1869	2.338
Stddev	.703	1.61	66.8	5.84	1.46	.930	1563.	.1520	.575
%RSD	58.12	4.985	43.58	36.37	5.293	47.93	.6643	81.33	24.59
#1	-.9603	-31.66	-215.7	22.49	28.78	1.845	236000.	.2423	2.684
#2	-.6650	-34.05	-82.84	14.56	27.92	1.062	236300.	.3036	1.674
#3	-2.003	-31.00	-161.3	11.11	25.94	2.915	233400.	.0150	2.655
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.492	5.641	8.883	-.3682	450600.	684100.	70.32	F 1325000.	1.788
Stddev	.857	.861	.698	5.684	17440.	3252.	.32	85910.	.451
%RSD	34.40	15.26	7.854	1544.	3.870	.4754	.4615	6.484	25.21
#1	2.258	5.066	9.176	-4.969	431600.	686400.	70.60	1424000.	2.166
#2	1.776	5.226	8.087	-2.121	454200.	685500.	69.96	1272000.	1.289
#3	3.442	6.630	9.387	5.985	465900.	680400.	70.39	1278000.	1.908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.469	16.18	2.214	-7.934	-.2896	12.22	6.166	-.2879	2584.
Stddev	3.408	8.92	2.584	.036	.5631	.21	.501	.1518	15.
%RSD	138.0	55.14	116.7	.4592	194.5	1.715	8.126	52.74	.5935
#1	-1.250	17.91	4.400	-7.968	.1173	12.05	5.773	-.4517	2600.
#2	3.213	24.12	2.880	-7.938	-.9323	12.46	6.730	-.2601	2582.
#3	5.442	6.524	-.6377	-7.895	-.0538	12.16	5.994	-.1519	2570.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	796.0	831.2	4813.	2.476
Stddev	7.3	51.6	25.	1.217
%RSD	.9132	6.207	.5242	49.18
#1	793.7	781.1	4838.	1.172
#2	804.1	884.2	4813.	2.673
#3	790.2	828.3	4788.	3.582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19642.	28857.	7658.8
Stddev	402.	346.	447.1
%RSD	2.0484	1.1993	5.8382
#1	20105.	29250.	8098.0
#2	19375.	28726.	7674.4
#3	19446.	28596.	7204.1

Sample Name: AN03618 Acquired: 8/14/2011 21:13:28 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.181**	**93.13**	**61.66**	**23.27**	**30.23**	**1.769**	**231700.**	**.1029**	**-.2436**
Stddev	1.943	4.18	79.48	5.18	.45	.439	1063.	.0894	.0980
%RSD	164.5	4.489	128.9	22.26	1.490	24.84	.4588	86.88	40.24
#1	.4285	96.52	-25.38	26.93	30.15	2.020	230900.	.0257	-.2873
#2	-3.339	94.42	79.99	17.34	29.83	2.025	231400.	.2009	-.1313
#3	-.6331	88.46	130.4	25.54	30.72	1.261	232900.	.0822	-.3122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.368**	**6.486**	**459.5**	**356.6**	**470200.**	**675200.**	**86.07**	F **1327000.**	**3.188**
Stddev	.194	.263	2.5	5.6	20960.	3979.	.32	95480.	.723
%RSD	5.756	4.051	.5465	1.574	4.459	.5893	.3707	7.194	22.67
#1	3.579	6.209	458.0	361.8	448500.	679100.	86.07	1431000.	2.355
#2	3.328	6.517	458.1	350.6	471600.	675300.	85.75	1243000.	3.643
#3	3.198	6.732	462.4	357.3	490400.	671200.	86.39	1308000.	3.567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.486**	**7.537**	**3.477**	**-5.436**	**-.0521**	**15.58**	**6.079**	**5.518**	**2578.**
Stddev	3.073	2.896	2.122	2.311	1.049	.06	.052	.102	6.
%RSD	47.38	38.42	61.02	42.51	2015.	.3535	.8503	1.841	.2387
#1	5.839	7.704	1.832	-5.185	-.6346	15.53	6.127	5.538	2574.
#2	3.788	4.561	2.726	-7.863	-.6808	15.64	6.024	5.409	2585.
#3	9.832	10.35	5.872	-3.261	1.159	15.58	6.085	5.609	2574.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1259.**	**1166.**	**4906.**	**1.355**
Stddev	13.	36.	12.	1.003
%RSD	.9952	3.106	.2357	73.98
#1	1247.	1161.	4901.	2.463
#2	1272.	1205.	4897.	.5095
#3	1258.	1133.	4919.	1.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**19185.**	**26722.**	**7192.5**
Stddev	177.	618.	293.4
%RSD	.92003	2.3137	4.0789
#1	19231.	27436.	7380.6
#2	19334.	26356.	7342.5
#3	18990.	26374.	6854.5

Sample Name: AN03619 Acquired: 8/14/2011 21:17:58 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.135**	**-32.24**	F **-75.46**	**15.32**	**28.67**	**1.911**	**229200.**	**-.0842**	**1.447**
Stddev	1.117	1.81	82.78	.91	3.26	.483	1963.	.2937	.264
%RSD	98.35	5.605	109.7	5.968	11.38	25.28	.8564	348.7	18.27
#1	-2.385	-30.34	1.385	14.93	30.62	1.628	231400.	-.4228	1.613
#2	-.7876	-32.44	-163.1	16.36	24.90	1.636	228700.	.0680	1.585
#3	-.2341	-33.94	-64.65	14.67	30.48	2.469	227500.	.1021	1.142
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.903**	**5.428**	**10.50**	**3.169**	**481100.**	**662500.**	**67.94**	F **1321000.**	**1.670**
Stddev	.532	.728	1.29	12.22	19520.	2429.	.33	70290.	.757
%RSD	13.64	13.41	12.28	385.7	4.058	.3667	.4848	5.323	45.30
#1	3.699	6.155	11.84	-8.758	463000.	663500.	68.21	1401000.	2.175
#2	4.507	4.700	10.41	2.596	478600.	664300.	68.03	1287000.	.8004
#3	3.503	5.428	9.266	15.67	501800.	659700.	67.57	1273000.	2.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.511**	**1.679**	**5.167**	**-7.753**	**-.1062**	**13.08**	**6.662**	**-.8156**	**2555.**
Stddev	2.309	5.246	6.771	1.559	.4986	.27	.756	.6889	9.
%RSD	51.20	312.3	131.0	20.10	469.7	2.099	11.35	84.47	.3632
#1	2.030	4.160	-.3632	-6.008	.4656	13.04	7.420	-1.027	2565.
#2	4.904	-4.346	3.145	-9.008	-.4504	12.84	5.907	-.0456	2547.
#3	6.598	5.225	12.72	-8.244	-.3337	13.38	6.660	-1.374	2552.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**817.2**	**804.0**	**4846.**	**1.904**
Stddev	5.5	49.3	26.	3.531
%RSD	.6672	6.135	.5412	185.4
#1	814.5	763.6	4869.	4.461
#2	813.7	789.3	4852.	-2.125
#3	823.5	859.0	4817.	3.377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**18553.**	**26357.**	**6953.1**
Stddev	725.	795.	256.3
%RSD	3.9050	3.0157	3.6864
#1	19184.	27062.	7221.1
#2	18714.	26514.	6927.9
#3	17762.	25496.	6710.4

Sample Name: AN03620 Acquired: 8/14/2011 21:22:27 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.451**	**710.3**	**633.3**	**19.87**	**42.40**	**1.086**	**5639.**	**.3386**	**2.361**	**18.46**	**27.16**
Stddev	.090	5.0	101.4	3.53	1.98	.232	16.	.2245	.545	1.09	.84
%RSD	3.693	.7063	16.02	17.79	4.673	21.34	.2838	66.32	23.10	5.881	3.098
#1	-2.523	705.6	629.6	19.97	40.28	.8714	5620.	.1372	2.662	17.58	27.99
#2	-2.481	709.9	533.7	16.29	44.20	1.332	5650.	.5807	1.731	18.13	26.30
#3	-2.349	715.6	736.5	23.36	42.71	1.055	5646.	.2979	2.689	19.67	27.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18510.**	**14650.**	**8566.**	**1146.**	**370.8**	**48960.**	**23.05**	**1976.**	**-1.184**	**10.72**	**-6.810**
Stddev	485.	87.	1018.	54.	2.2	1347.	.95	2.	7.823	.94	.772
%RSD	2.620	.5940	11.89	4.723	.5933	2.752	4.139	.0796	660.7	8.731	11.34
#1	18040.	14580.	9623.	1100.	368.3	50370.	22.04	1978.	-3.656	9.651	-6.251
#2	19010.	14620.	8483.	1206.	372.2	48820.	23.94	1975.	7.577	11.13	-7.691
#3	18470.	14740.	7591.	1133.	372.0	47690.	23.17	1975.	-7.473	11.38	-6.488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.246**	**53.61**	**3.897**	**20.91**	**-2.178**	**1140.**	**961.7**	**35.39**	**2.719**
Stddev	.853	.41	.104	.52	.435	8.	13.9	.82	1.356
%RSD	68.41	.7688	2.668	2.498	19.95	.7309	1.442	2.310	49.88
#1	2.212	53.97	3.846	20.63	-2.658	1139.	948.7	36.18	1.272
#2	.5956	53.16	3.829	20.59	-1.812	1132.	976.3	35.46	2.923
#3	.9320	53.71	4.017	21.52	-2.064	1149.	960.2	34.54	3.962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22717.**	**32678.**	**6517.7**
Stddev	222.	426.	64.2
%RSD	.97785	1.3033	.98472
#1	22904.	33136.	6445.2
#2	22471.	32606.	6540.4
#3	22775.	32293.	6567.4

Sample Name: AN03621 Acquired: 8/14/2011 21:26:56 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.483**	**18.74**	**44.77**	**18.06**	**9.974**	**.2101**	**44.47**	**.1260**	**-.4780**	**-.4073**	**10.86**
Stddev	1.416	.64	24.00	1.61	1.658	.3430	6.98	.2784	.2416	.1358	.92
%RSD	95.43	3.407	53.62	8.919	16.62	163.3	15.70	221.1	50.54	33.34	8.491
#1	-1.137	19.09	39.97	16.25	9.175	.0372	36.41	.3279	-.7151	-.3066	10.81
#2	-3.040	19.12	23.52	19.33	8.868	.6052	48.63	.2416	-.2321	-.3535	11.81
#3	-.2734	18.00	70.81	18.60	11.88	-.0120	48.37	-.1917	-.4868	-.5617	9.963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.59**	**10.48**	**4772.**	**-53.83**	**.1797**	**37040.**	**.9991**	**3.309**	**4.555**	**7.268**	**-7.905**
Stddev	.72	11.68	178.	39.76	.1113	304.	1.415	1.815	8.971	2.197	1.837
%RSD	3.874	111.5	3.732	73.86	61.90	.8209	141.7	54.85	196.9	30.22	23.24
#1	18.78	21.67	4747.	-9.621	.0664	36760.	1.243	5.130	-3.176	9.672	-10.03
#2	19.20	11.42	4608.	-86.65	.1841	37370.	-.5224	1.500	14.39	6.768	-6.895
#3	17.80	-1.643	4961.	-65.22	.2887	37000.	2.276	3.296	2.450	5.365	-6.794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6879**	**11.05**	**-.4218**	**.3993**	**-3.732**	**21.51**	**-20.69**	**-.3970**	**8.703**
Stddev	.9206	.30	.1400	.5760	2.327	7.59	20.06	.7297	2.061
%RSD	133.8	2.710	33.20	144.3	62.36	35.29	96.99	183.8	23.68
#1	-1.747	10.85	-.5803	1.064	-2.027	28.94	-37.12	.1580	8.170
#2	-.2401	11.39	-.3703	.0396	-6.383	21.82	1.672	-1.224	6.962
#3	-.0768	10.91	-.3148	.0946	-2.785	13.77	-26.61	-.1253	10.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22971.**	**33400.**	**6830.4**
Stddev	490.	481.	95.5
%RSD	2.1313	1.4392	1.3987
#1	23500.	33002.	6935.3
#2	22534.	33263.	6807.7
#3	22878.	33934.	6748.3

Sample Name: AN03622 Acquired: 8/14/2011 21:31:18 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.287**	**4.261**	**13.40**	**15.18**	**9.562**	**.5532**	**8.018**	**.0368**	**.0044**	**-.1649**	**4.413**
Stddev	.896	1.428	85.61	1.67	1.578	.1208	9.775	.2350	.2303	.0231	.842
%RSD	69.62	33.51	638.8	11.02	16.51	21.84	121.9	638.0	5240.	14.03	19.08
#1	-.3529	5.906	82.37	13.38	11.22	.4151	1.760	.2115	-.1618	-.1812	4.801
#2	-2.139	3.542	40.26	15.47	8.072	.6051	19.28	.1294	.2673	-.1384	3.446
#3	-1.368	3.336	-82.42	16.69	9.400	.6393	3.011	-.2304	-.0922	-.1752	4.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.701**	**-10.30**	**3888.**	**19.20**	**-.1033**	**31000.**	**-.2237**	**4.774**	**6.834**	**8.531**	**-6.429**
Stddev	.424	9.30	93.	8.14	.0279	1024.	.2872	1.261	2.078	2.737	2.697
%RSD	24.93	90.30	2.400	42.38	26.97	3.304	128.4	26.42	30.41	32.08	41.95
#1	-1.296	-19.01	3872.	17.80	-.1280	32180.	.0996	4.664	9.210	6.823	-8.385
#2	-2.142	-.5030	3804.	27.94	-.1088	30520.	-.3213	3.570	5.355	7.083	-3.353
#3	-1.666	-11.39	3989.	11.85	-.0731	30310.	-.4495	6.086	5.936	11.69	-7.549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9059**	**-.2549**	**-1.002**	**-.5147**	**-3.603**	**3.646**	**33.41**	**.4070**	**.9830**
Stddev	1.338	.1186	.302	.5105	1.524	1.409	69.88	2.420	.6789
%RSD	147.7	46.51	30.18	99.20	42.31	38.64	209.2	594.6	69.06
#1	.5662	-.2187	-1.011	-.1212	-3.377	3.201	107.8	1.483	.8636
#2	-2.049	-.3874	-.6954	-1.092	-2.204	5.223	23.32	2.103	1.714
#3	-1.235	-.1587	-1.300	-.3312	-5.228	2.513	-30.88	-2.365	.3718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23483.**	**32862.**	**6950.0**
Stddev	487.	145.	69.2
%RSD	2.0740	.44028	.99496
#1	23134.	33015.	6872.7
#2	24039.	32728.	6971.1
#3	23275.	32842.	7006.1

Sample Name: AN03623 X10 Acquired: 8/14/2011 21:35:40 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.364**	**3042.**	**2678.**	**208.8**	**207.4**	**.9035**	**32710.**	**-.1144**	**4.572**	**38.46**	**132.1**
Stddev	.723	25.	11.	5.4	2.6	.3890	314.	.1702	.243	.94	2.5
%RSD	52.97	.8089	.4191	2.580	1.245	43.05	.9589	148.7	5.314	2.436	1.911
#1	-1.229	3018.	2682.	215.0	209.6	.5312	33030.	-.1226	4.852	37.46	129.3
#2	-2.145	3041.	2665.	206.7	208.2	1.307	32700.	.0597	4.444	39.31	132.8
#3	-.7190	3067.	2687.	204.9	204.6	.8721	32400.	-.2804	4.419	38.60	134.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**F 94260.**	**79560.**	**14010.**	**13770.**	**332.7**	**25440.**	**10.22**	**21710.**	**10.91**	**12.39**	**-2.751**
Stddev	1069.	332.	129.	97.	1.8	408.	.80	13.	5.01	.73	3.500
%RSD	1.134	.4174	.9180	.7036	.5415	1.606	7.822	.0589	45.92	5.918	127.3
#1	95330.	79910.	14090.	13850.	334.2	25050.	9.297	21710.	16.60	13.24	.9777
#2	93190.	79540.	13860.	13800.	330.7	25860.	10.62	21710.	7.194	11.99	-5.966
#3	94250.	79250.	14070.	13660.	333.2	25410.	10.74	21690.	8.922	11.94	-3.263
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	76500.										
Low Limit	-500.0										

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.33**	**127.3**	**9.101**	**117.0**	**9.848**	**300.0**	**276.5**	**271.8**	**9.852**
Stddev	.33	.3	.633	1.2	3.169	7.0	12.7	.5	.521
%RSD	1.244	.2021	6.960	.9938	32.18	2.324	4.604	.1755	5.286
#1	26.21	127.2	9.829	118.4	7.028	299.4	276.6	272.2	9.752
#2	26.08	127.5	8.671	116.3	9.240	307.3	263.7	271.2	9.388
#3	26.70	127.0	8.804	116.4	13.28	293.4	289.2	271.9	10.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25222.**	**37198.**	**8070.3**
Stddev	164.	650.	103.3
%RSD	.65001	1.7471	1.2796
#1	25201.	37931.	8156.9
#2	25070.	36692.	8098.1
#3	25396.	36972.	7956.0

Sample Name: AN03624 X10 Acquired: 8/14/2011 21:40:08 Type: Unk
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8264**	**2051.**	**1831.**	**15.49**	**256.2**	**.4379**	**28800.**	**.2307**	**3.711**	**10.28**	**49.76**
Stddev	.5914	14.	51.	4.26	.3	.6145	85.	.2227	.203	.30	.87
%RSD	71.57	.7032	2.757	27.51	.1033	140.3	.2947	96.56	5.467	2.879	1.739
#1	-.3483	2050.	1887.	10.91	256.0	.9810	28890.	.4872	3.762	10.26	48.91
#2	-.6431	2037.	1819.	16.21	256.2	.5619	28720.	.0866	3.487	9.996	50.64
#3	-1.488	2065.	1789.	19.34	256.5	-.2291	28790.	.1182	3.883	10.59	49.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17630.**	**13860.**	**2877.**	**6648.**	**1668.**	**22570.**	**8.399**	**29010.**	**7.014**	**1.989**	**-6.027**
Stddev	139.	44.	222.	45.	5.	303.	.431	33.	3.474	4.981	1.615
%RSD	.7897	.3156	7.698	.6763	.3124	1.340	5.134	.1146	49.52	250.4	26.80
#1	17790.	13880.	2888.	6698.	1666.	22720.	8.878	29040.	4.446	6.687	-6.915
#2	17550.	13900.	2650.	6612.	1665.	22770.	8.276	28980.	10.97	-3.234	-4.162
#3	17550.	13820.	3093.	6632.	1674.	22220.	8.043	28990.	5.631	2.515	-7.003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.55**	**63.97**	**1.205**	**185.5**	**9.834**	**477.1**	**451.1**	**115.9**	**21.70**
Stddev	.83	.31	.499	1.8	1.742	22.6	32.9	1.4	1.56
%RSD	7.166	.4843	41.42	.9532	17.72	4.732	7.284	1.216	7.182
#1	12.22	64.24	.8777	185.6	10.25	467.8	478.3	115.1	23.29
#2	10.63	63.63	.9574	183.7	7.922	460.8	414.6	117.5	21.64
#3	11.82	64.04	1.779	187.3	11.33	502.9	460.5	115.0	20.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25924.**	**37888.**	**8318.5**
Stddev	496.	352.	28.9
%RSD	1.9127	.92815	.34737
#1	25374.	37577.	8317.1
#2	26063.	38270.	8348.1
#3	26336.	37818.	8290.4

Sample Name: CCV Acquired: 8/14/2011 21:44:35 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**205.3**	**5322.**	**4897.**	**208.6**	**214.3**	**177.4**	**4726.**	**202.3**	**192.7**	**217.0**	**210.1**
Stddev	.6	25.	22.	4.3	1.4	1.0	23.	.6	.7	1.8	1.2
%RSD	.2691	.4627	.4488	2.074	.6447	.5814	.4763	.2896	.3881	.8485	.5488
#1	204.6	5349.	4879.	213.0	214.4	176.9	4746.	202.8	193.6	214.9	209.6
#2	205.5	5300.	4890.	204.4	215.6	178.6	4729.	201.6	192.3	218.5	211.5
#3	205.7	5318.	4921.	208.2	212.9	176.7	4702.	202.4	192.3	217.5	209.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5417.**	**4326.**	**F 7851.**	**4383.**	**213.8**	**F 21500.**	**199.5**	**213.1**	**197.0**	**211.4**	**203.2**
Stddev	20.	10.	257.	21.	.6	200.	.9	.8	7.0	1.6	1.9
%RSD	.3680	.2304	3.270	.4804	.2855	.9323	.4658	.3631	3.560	.7350	.9125
#1	5420.	4332.	7816.	4359.	214.1	21310.	200.1	212.7	193.9	211.6	205.3
#2	5434.	4331.	7613.	4398.	214.1	21460.	199.9	212.6	192.0	212.8	202.6
#3	5395.	4314.	8123.	4392.	213.1	21710.	198.4	214.0	205.0	209.7	201.7
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			5000.			5000.					
Range			20.00%			20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.4**	**205.0**	**198.6**	**201.1**	**190.2**	**5172.**	**4523.**	**205.9**	**208.6**
Stddev	.6	.9	.9	1.2	2.5	10.	53.	.4	1.0
%RSD	.3018	.4519	.4702	.6143	1.296	.2017	1.164	.2178	.4790
#1	203.4	205.6	197.7	199.9	187.9	5169.	4546.	206.2	209.6
#2	202.8	203.9	199.6	202.4	189.9	5183.	4560.	206.2	208.7
#3	204.0	205.4	198.4	201.1	192.8	5163.	4462.	205.4	207.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**26550.**	**39365.**	**8870.8**
Stddev	80.	361.	119.1
%RSD	.30187	.91764	1.3430
#1	26457.	39142.	9007.2
#2	26599.	39782.	8818.0
#3	26593.	39172.	8787.2

Sample Name: CCB Acquired: 8/14/2011 21:48:48 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.213**	**2.127**	**29.12**	**7.091**	**5.946**	**.1613**	**3.432**	**.1178**	**-.0457**	**-.9952**	**2.222**
Stddev	.221	.450	30.42	4.866	1.272	.8515	10.30	.4436	.2705	.4524	.868
%RSD	18.22	21.15	104.5	68.62	21.39	527.9	300.2	376.7	591.5	45.46	39.06
#1	-.9907	1.805	14.59	2.172	5.939	.5768	1.614	-.1987	-.3072	-.5187	1.641
#2	-1.433	2.641	64.08	7.199	7.221	-.8182	14.53	.6248	-.0631	-1.419	3.219
#3	-1.215	1.935	8.688	11.90	4.678	.7252	-5.842	-.0728	.2330	-1.048	1.806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.8364**	**-7.902**	**F 1272.**	**25.53**	**-.0970**	**F 11730.**	**-.1533**	**.9016**	**6.697**	**2.216**	**-2.673**
Stddev	.9414	4.656	176.	10.77	.0604	273.	.3067	.4470	3.173	1.111	1.548
%RSD	112.6	58.92	13.83	42.18	62.26	2.324	200.0	49.58	47.38	50.14	57.90
#1	1.465	-8.052	1367.	25.97	-.0998	11460.	.0806	.6893	8.412	1.022	-.9918
#2	-.2459	-12.48	1069.	36.08	-.0353	12000.	-.5006	1.415	8.643	2.406	-4.039
#3	1.290	-3.172	1379.	14.55	-.1559	11730.	-.0400	.6002	3.035	3.219	-2.989
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.0			1000.					
Low Limit			-500.0			-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2096**	**-.1931**	**-.5057**	**-.0729**	**-2.260**	**-1.674**	**27.04**	**-.3370**	**.1370**
Stddev	.3649	.1364	.1822	.4291	.818	.059	22.22	.5099	.5794
%RSD	174.1	70.64	36.02	588.5	36.21	3.517	82.18	151.3	423.1
#1	.6278	-.0751	-.3430	.4209	-3.033	-1.708	32.50	.1682	-.5205
#2	-.0437	-.3424	-.4715	-.2846	-2.345	-1.709	2.599	-.8516	.3583
#3	.0446	-.1617	-.7025	-.3550	-1.403	-1.606	46.03	-.3277	.5730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27068.**	**39307.**	**9010.3**
Stddev	104.	231.	145.9
%RSD	.38334	.58887	1.6196
#1	27025.	39572.	9170.4
#2	26994.	39143.	8884.8
#3	27187.	39205.	8975.7

Sample Name: RL Acquired: 8/14/2011 21:53:08 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.314**	**127.1**	**124.6**	F **15.69**	**112.6**	**2.391**	**463.6**	**3.090**	**19.79**	**5.599**	F **13.61**
Stddev	.618	1.8	26.0	5.88	1.1	.219	2.2	.172	.19	.522	.71
%RSD	14.32	1.447	20.87	37.45	1.009	9.166	.4851	5.576	.9420	9.326	5.195
#1	4.342	125.0	118.2	19.75	113.8	2.145	463.9	2.936	19.65	5.042	14.39
#2	3.683	127.7	153.3	18.37	112.6	2.464	461.2	3.276	20.00	5.677	13.45
#3	4.918	128.5	102.4	8.951	111.5	2.564	465.7	3.058	19.71	6.078	13.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				8.000							10.00
Range				30.00%							30.00%

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**56.56**	**48.41**	F **1615.**	**417.9**	**5.477**	F **11370.**	**19.84**	**10.26**	**23.34**	F **27.11**	**18.49**
Stddev	1.12	4.49	81.	29.7	.089	399.	1.02	1.11	14.08	1.93	.73
%RSD	1.972	9.275	5.022	7.099	1.617	3.510	5.138	10.84	60.31	7.110	3.925
#1	56.67	52.21	1662.	401.0	5.492	11540.	19.12	9.062	38.00	29.23	18.07
#2	57.62	43.46	1521.	400.5	5.558	11660.	19.40	10.44	9.933	25.46	19.33
#3	55.39	49.56	1662.	452.1	5.382	10910.	21.01	11.26	22.08	26.65	18.07
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			500.0			1000.				20.00	
Range			30.00%			30.00%				30.00%	

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.12**	**23.54**	**9.943**	**10.21**	F **3.844**	**545.6**	**493.3**	**10.45**	**11.32**
Stddev	.71	.15	.444	.45	1.062	8.0	33.7	.32	.68
%RSD	3.506	.6512	4.464	4.408	27.63	1.467	6.823	3.089	5.997
#1	20.44	23.69	9.634	9.853	4.813	546.2	528.2	10.25	10.83
#2	20.61	23.38	10.45	10.05	2.708	553.4	461.0	10.83	11.03
#3	19.31	23.56	9.742	10.71	4.011	537.4	490.7	10.29	12.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					10.00				
Range					-30.00%				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25606.**	**37628.**	**8229.2**
Stddev	187.	206.	152.1
%RSD	.72923	.54646	1.8484
#1	25392.	37406.	8341.0
#2	25733.	37812.	8056.0
#3	25693.	37666.	8290.7

Sample Name: 2RL Acquired: 8/14/2011 21:57:29 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.825**	**231.1**	**239.5**	F **23.75**	**217.2**	**6.154**	**941.2**	**5.938**	**39.79**	**11.67**	**23.89**
Stddev	.626	2.4	41.2	3.34	1.7	.884	9.6	.132	.44	.30	.77
%RSD	6.374	1.031	17.22	14.08	.7891	14.36	1.020	2.217	1.110	2.558	3.214
#1	10.35	229.7	286.8	22.93	219.1	7.126	951.3	5.797	40.28	11.59	24.77
#2	9.996	229.9	220.5	20.90	215.9	5.398	932.3	5.960	39.42	12.00	23.39
#3	9.131	233.9	211.1	27.43	216.6	5.938	939.9	6.057	39.66	11.42	23.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				16.00							
Range				30.00%							

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**114.9**	**84.18**	F **2178.**	**885.9**	**11.17**	F **10900.**	**39.80**	**16.37**	**47.25**	**43.93**	**39.29**
Stddev	1.3	5.31	51.	44.0	.05	180.	1.27	1.25	4.04	2.23	1.20
%RSD	1.115	6.307	2.329	4.963	.4633	1.653	3.202	7.635	8.556	5.070	3.064
#1	114.5	81.09	2222.	866.7	11.11	10880.	40.89	15.06	45.29	42.79	40.65
#2	116.4	90.31	2188.	936.2	11.18	10730.	40.12	17.55	44.55	46.50	38.89
#3	113.9	81.15	2122.	854.7	11.21	11090.	38.40	16.49	51.90	42.51	38.34
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			1000.			2000.					
Range			30.00%			30.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41.03**	**45.65**	**20.04**	**20.48**	**16.04**	**1052.**	**909.6**	**21.21**	**22.92**
Stddev	.41	.43	.62	.26	1.65	9.	57.8	.37	1.41
%RSD	1.001	.9318	3.072	1.267	10.30	.8288	6.357	1.745	6.132
#1	41.04	45.70	20.72	20.68	15.85	1057.	976.0	20.78	21.79
#2	40.62	45.20	19.51	20.58	17.78	1041.	870.3	21.41	22.47
#3	41.44	46.05	19.89	20.19	14.49	1056.	882.5	21.44	24.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27078.**	**40080.**	**9138.1**
Stddev	146.	691.	215.8
%RSD	.54006	1.7239	2.3614
#1	27061.	40586.	8962.9
#2	27232.	40360.	9379.1
#3	26941.	39292.	9072.2

Sample Name: IOS Acquired: 8/14/2011 22:01:53 Type: QC
Method: PROMIUM(v13) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.769	^F *****	306400.	1.906	5.115	.5408	275200.	-.3599	-.9069	-.3530	8.047
Stddev	.665	----	1837.	3.899	1.340	.7059	6108.	.4511	.2038	.5837	1.363
%RSD	37.59	----	.5995	204.5	26.20	130.5	2.219	125.3	22.47	165.4	16.94
#1	-1.063	^ -----	304700.	.0622	6.626	-.2621	277600.	-.1040	-.6859	-.9339	8.412
#2	-2.384	^ -----	308300.	6.385	4.647	.8204	279800.	-.0950	-.9473	.2335	6.538
#3	-1.861	^ -----	306000.	-.7287	4.071	1.064	268300.	-.8808	-1.088	-.3585	9.189
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	247200.	F 2134.	254700.	-.5129	330400.	-2.700	F 16.51	14.92	14.10	-2.543
Stddev	----	671.	220.	1374.	.0974	1994.	.348	2.19	10.34	3.64	1.624
%RSD	----	.2713	10.30	.5396	19.00	.6036	12.90	13.25	69.31	25.78	63.86
#1	^ -----	246800.	2020.	254200.	-.6154	328300.	-2.700	15.91	26.36	11.08	-1.437
#2	^ -----	248000.	1994.	256200.	-.5016	332300.	-2.351	14.69	6.251	13.08	-4.408
#3	^ -----	246900.	2388.	253600.	-.4216	330700.	-3.048	18.94	12.14	18.14	-1.785
Check ?	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			500.0					8.000			
Low Limit			-500.0					-8.000			

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9051	2.076	-2.163	1.048	-4.168	-10.07	28.32	2.213	.4949
Stddev	.5339	.082	.409	.133	2.008	.70	14.83	.855	1.432
%RSD	58.99	3.966	18.93	12.69	48.17	6.989	52.37	38.63	289.3
#1	-.7718	1.985	-2.148	1.017	-4.001	-10.36	38.29	1.698	-1.027
#2	-.4504	2.095	-2.579	1.193	-6.255	-10.58	35.39	1.741	.6966
#3	-1.493	2.147	-1.761	.9323	-2.249	-9.268	11.28	3.200	1.815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24177.	35951.	8561.2
Stddev	275.	106.	127.4
%RSD	1.1372	.29508	1.4877
#1	24439.	35854.	8418.8
#2	24200.	36064.	8601.0
#3	23891.	35935.	8664.0

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Lead Project No.: 11070033

Date(s) of Sample Analysis: 8/15/11 Date(s) of Sample Prep.: 8/12/11

Preparer(s): R. Recto Analyst(s): R. Recto

(Circle) Matrix: Aqueous (Solid) Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: TAL Metals)	YES	NO	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?	✓		
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		
II. DIGESTION BATCH QC: (for the elements of interest stated above)			
A. Prep Blank < Reporting Limit for all elements of interest?	✓		
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)	✓		
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?	✓		
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?		✓	
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?	✓		
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project	✓		
G. For samples with results > Reporting Limit, was the % RSD < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)		✓	
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: R. Recto Date: 8/23/11

Peer Review: [signature] Date: 10/11/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: JEWETT WHITE LEAD

Project # 11070033

Three (3) soil samples (AN03623 – 3625) were analyzed for TAL Metals by ICP-AES on 08/15/11.

The following samples > 90% LDR were re-analyzed and reported at 10X dilutions for specific analytes:
Fe → 10X → AN03623
Pb → 10X → AN03623, AN03624

The percent recoveries of the Matrix Spike (AN03623 MS) were outside the control limits of 75 - 125% for **Ca, Fe,** and **Pb**. However, since these elements concentrations in the original (un-spike) sample were greater than 1X their corresponding spike level, the associated QC qualifiers were considered not applicable (N/A).

ICAP 6300 QC ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	15 Aug 2011			ug/L	15 Aug 2011	
		15:14:14				15:18:31	
Ag3280	200	199.3	99.7	PASS	5	-0.0971	PASS
Al3082A	5000	4912	98.2	PASS	100	-8.954	PASS
Al3082R	5000	4872	97.4	PASS	100	-18.22	PASS
As1890	200	197.6	98.8	PASS	8	-1.988	PASS
Ba4554R	200	200.4	100.2	PASS	100	0.2545	PASS
Be3131R	200	193.6	96.8	PASS	3	0.4064	PASS
Ca3179R	5000	5102	102.0	PASS	500	-10.92	PASS
Cd2265	200	200	100.0	PASS	3	0.0309	PASS
Co2286	200	193.2	96.6	PASS	20	0.1784	PASS
Cr2677	200	212.4	106.2	PASS	5	0.4528	PASS
Cu3247	200	208.4	104.2	PASS	5	-0.6596	PASS
Fe2599A	5000	5244	104.9	PASS	50	-10.01	PASS
Fe2599R	5000	5065	101.3	PASS	50	-10.73	PASS
K_7664R	5000	5158	103.2	PASS	500	36.3	PASS
Mg2790R	5000	5042	100.8	PASS	500	-14.34	PASS
Mn2576	200	210.2	105.1	PASS	5	0.1383	PASS
Na5895R	5000	4979	99.6	PASS	1000	-103.7	PASS
Ni2316	200	197.4	98.7	PASS	20	-0.0541	PASS
Pb2203	200	201.5	100.8	PASS	8	0.0329	PASS
Sb2068	200	187.2	93.6	PASS	20	-6.175	PASS
Se1960	200	195.8	97.9	PASS	20	1.298	PASS
Tl1908	200	199	99.5	PASS	20	0.283	PASS
V_2924	200	203.8	101.9	PASS	20	0.1738	PASS
Zn2062	200	198.6	99.3	PASS	20	0.1957	PASS
Mo2020	200	198.6	99.3	PASS	10	0.21	PASS
Ti3372	200	201.3	100.7	PASS	10	0.063	PASS
B_2089	200	205	102.5	PASS	10	1.023	PASS
Si2881A	5000	5085	101.7	PASS	500	-3.215	PASS
Si2881R	5000	5023	100.5	PASS	500	3.06	PASS
Sr3464	200	206	103.0	PASS	10	0.4591	PASS
Sn1899	200	200	100.0	PASS	10	0.5527	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG
	ug/L	ug/L	ug/L	15 Aug 2011			15 Aug 2011		
				15:22:58			16:41:21		
Ag3280	5	3.5	6.5	5.397	107.9	PASS	5.08	101.6	PASS
Al3082A	100	70.0	130	104.5	104.5	PASS	103.4	103.4	PASS
Al3082R	100	70.0	130	72.46	72.5	PASS	85.56	85.6	PASS
As1890	8	5.6	10.4	5.661	70.8	PASS	7.4	92.5	PASS
Ba4554R	100	70.0	130	101.1	101.1	PASS	98.66	98.7	PASS
Be3131R	3	2.1	3.9	3.071	102.4	PASS	2.63	87.7	PASS
Ca3179R	500	350	650	502.6	100.5	PASS	498.6	99.7	PASS
Cd2265	3	2.1	3.9	2.93	97.7	PASS	2.921	97.4	PASS
Co2286	20	14.0	26.0	19.52	97.6	PASS	19.72	98.6	PASS
Cr2677	5	3.5	6.5	5.602	112.0	PASS	5.303	106.1	PASS
Cu3247	10	7.0	13.0	11.28	112.8	PASS	10.73	107.3	PASS
Fe2599A	50	35.0	65.0	44.54	89.1	PASS	47.28	94.6	PASS
Fe2599R	50	35.0	65.0	41.44	82.9	PASS	42.78	85.6	PASS
K_7664R	500	350	650	512.8	102.6	PASS	476.3	95.3	PASS
Mg2790R	500	350	650	497.6	99.5	PASS	510	102.0	PASS
Mn2576	5	3.5	6.5	5.385	107.7	PASS	5.013	100.3	PASS
Na5895R	1000	700	1300	920.8	92.1	PASS	843.1	84.3	PASS
Ni2316	20	14.0	26.0	19.42	97.1	PASS	20.36	101.8	PASS
Pb2203	8	5.6	10.4	9.677	121.0	PASS	7.241	90.5	PASS
Sb2068	20	14.0	26.0	16.94	84.7	PASS	15.09	75.5	PASS
Se1960	20	14.0	26.0	19.2	96.0	PASS	18.59	93.0	PASS
Tl1908	20	14.0	26.0	18.93	94.7	PASS	18.59	93.0	PASS
V_2924	20	14.0	26.0	20.45	102.3	PASS	19.84	99.2	PASS
Zn2062	20	14.0	26.0	22.74	113.7	PASS	23.04	115.2	PASS
Mo2020	10	7.0	13.0	10.09	100.9	PASS	9.25	92.5	PASS
Ti3372	10	7.0	13.0	10.38	103.8	PASS	10.08	100.8	PASS
B_2089	10	7.0	13.0	7.704	77.0	PASS	4.164	41.6	FAIL
Si2881A	500	350	650	518.8	103.8	PASS	494.7	98.9	PASS
Si2881R	500	350	650	522	104.4	PASS	506.4	101.3	PASS
Sr3464	10	7.0	13.0	11.08	110.8	PASS	10.29	102.9	PASS
Sn1899	10	7.0	13.0	10.24	102.4	PASS	9.658	96.6	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC 2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	15 Aug 2011			15 Aug 2011		
				15:27:21			16:45:44		
Ag3280	10	7.0	13.0	10.65	106.5	PASS	10.24	102.4	PASS
Al3082A	200	140	260	209.1	104.6	PASS	209.6	104.8	PASS
Al3082R	200	140	260	199.4	99.7	PASS	198.1	99.1	PASS
As1890	16	11.2	20.8	17.61	110.1	PASS	18.98	118.6	PASS
Ba4554R	200	140	260	202.7	101.4	PASS	198.1	99.1	PASS
Be3131R	6	4.2	7.8	6.336	105.6	PASS	5.759	96.0	PASS
Ca3179R	1000	700	1300	1013	101.3	PASS	1015	101.5	PASS
Cd2265	6	4.2	7.8	5.802	96.7	PASS	6.138	102.3	PASS
Co2286	40	28.0	52.0	40.14	100.4	PASS	39.82	99.6	PASS
Cr2677	10	7.0	13.0	11.13	111.3	PASS	11.52	115.2	PASS
Cu3247	20	16.0	24	21.79	109.0	PASS	21.66	108.3	PASS
Fe2599A	100	70.0	130	101.6	101.6	PASS	106.7	106.7	PASS
Fe2599R	100	70.0	130	97.74	97.7	PASS	93.35	93.4	PASS
K_7664R	1000	700	1300	1078	107.8	PASS	1049	104.9	PASS
Mg2790R	1000	700	1300	980.4	98.0	PASS	1016	101.6	PASS
Mn2576	10	7.0	13.0	10.91	109.1	PASS	10.72	107.2	PASS
Na5895R	2000	1400	2600	1932	96.6	PASS	1858	92.9	PASS
Ni2316	40	28.0	52.0	39.65	99.1	PASS	39.56	98.9	PASS
Pb2203	16	11.2	20.8	18.01	112.6	PASS	19.62	122.6	PASS
Sb2068	40	28.0	52.0	28.15	70.4	PASS	33.72	84.3	PASS
Se1960	40	28.0	52.0	42.51	106.3	PASS	38.39	96.0	PASS
Tl1908	40	28.0	52.0	38.94	97.4	PASS	38.42	96.1	PASS
V_2924	40	28.0	52.0	41.33	103.3	PASS	40.55	101.4	PASS
Zn2062	40	28.0	52.0	44.66	111.7	PASS	46.48	116.2	PASS
Mo2020	20	14.0	26.0	20.02	100.1	PASS	19.15	95.8	PASS
Ti3372	20	14.0	26.0	20.72	103.6	PASS	20.47	102.4	PASS
B_2089	20	14.0	26.0	17.53	87.7	PASS	14.5	72.5	PASS
Si2881A	1000	700	1300	1042	104.2	PASS	1025	102.5	PASS
Si2881R	1000	700	1300	1008	100.8	PASS	1005	100.5	PASS
Sr3464	20	14.0	26.0	21.44	107.2	PASS	21.08	105.4	PASS
Sn1899	20	14.0	26.0	21.46	107.3	PASS	21.48	107.4	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	15 Aug 2011			15 Aug 2011			
				15:31:45			16:50:07			
Ag3280	0	-5.0	5.0	-1.065		PASS	-1.598		PASS	
Al3082A	300000	200000	300000	^F *****	*N/A	*N/A	^F *****	*N/A	*N/A	switch to radial.
Al3082R	300000	200000	300000	308400	102.8	PASS	304400	101.5	PASS	
As1890	0	-8.0	8.0	1.488		PASS	0.0016		PASS	
Ba4554R	0	-100	100	0.0755		PASS	1.115		PASS	
Be3131R	0	-3.0	3.0	-0.3537		PASS	0.0573		PASS	
Ca3179R	300000	200000	300000	291900	97.3	PASS	291000	97.0	PASS	
Cd2265	0	-3.0	3.0	-0.1274		PASS	-0.8452		PASS	
Co2286	0	-20.0	20.0	-1.092		PASS	-1.163		PASS	
Cr2677	0	-5.0	5.0	1.361		PASS	1.334		PASS	
Cu3247	0	-5.0	5.0	5.243		FAIL	4.977		PASS	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	#VALUE!	*N/A	switch to radial
Fe2599R	300000	200000	300000	301000	100.3	PASS	298100	99.4	PASS	
K_7664R	0	-500	500	-85.77		PASS	-51.19		PASS	
Mg2790R	300000	200000	300000	293900	98.0	PASS	298300	99.4	PASS	
Mn2576	0	-5.0	5.0	-0.2788		PASS	-0.6194		PASS	
Na5895R	300000	200000	300000	299500	99.8	PASS	297700	99.2	PASS	
Ni2316	0	-20.0	20.0	1.14		PASS	0.737		PASS	
Pb2203	0	-8.0	8.0	-5.549		PASS	7.948		PASS	
Sb2068	0	-20.0	20.0	-2.489		PASS	-2.176		PASS	
Se1960	0	-20.0	20.0	6.737		PASS	9.026		PASS	
Tl1908	0	-20.0	20.0	1.507		PASS	-0.2997		PASS	
V_2924	0	-20.0	20.0	-1.172		PASS	-1.069		PASS	
Zn2062	0	-20.0	20.0	1.564		PASS	2.045		PASS	
Mo2020	0	-10.0	10.0	-2.244		PASS	-2.723		PASS	
Ti3372	0	-10.0	10.0	1.893		PASS	1.331		PASS	
B_2089	0	-10.0	10.0	-4.715		PASS	-6.354		PASS	
Si2881A	0	-500	500	-11.89		PASS	-21.08		PASS	
Si2881R	0	-500	500	11.64		PASS	7.702		PASS	
Sr3464	0	-10.0	10.0	2.076		PASS	1.794		PASS	
Sn1899	0	-10.0	10.0	0.8046		PASS	0.678		PASS	

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	15 Aug 2011			ug/L	15 Aug 2011	
		16:24:07				16:28:21	
Ag3280	200	196.5	98.3	PASS	5	-0.7319	PASS
Al3082A	5000	4892	97.8	PASS	100	-9.69	PASS
Al3082R	5000	4825	96.5	PASS	100	-23.36	PASS
As1890	200	193.2	96.6	PASS	8	-2.734	PASS
Ba4554R	200	197.3	98.7	PASS	100	0.7522	PASS
Be3131R	200	188.2	94.1	PASS	3	0.0061	PASS
Ca3179R	5000	5079	101.6	PASS	500	-9.997	PASS
Cd2265	200	202.2	101.1	PASS	3	-0.2365	PASS
Co2286	200	191.9	96.0	PASS	20	0.0625	PASS
Cr2677	200	212.4	106.2	PASS	5	0.2112	PASS
Cu3247	200	203.7	101.9	PASS	5	0.353	PASS
Fe2599A	5000	5248	105.0	PASS	50	-5.447	PASS
Fe2599R	5000	5044	100.9	PASS	50	-4.357	PASS
K_7664R	5000	5036	100.7	PASS	500	7.805	PASS
Mg2790R	5000	5148	103.0	PASS	500	-20.64	PASS
Mn2576	200	209.9	105.0	PASS	5	-0.4519	PASS
Na5895R	5000	4946	98.9	PASS	1000	-133.2	PASS
Ni2316	200	196	98.0	PASS	20	-0.0511	PASS
Pb2203	200	207	103.5	PASS	8	0.354	PASS
Sb2068	200	188.3	94.2	PASS	20	-4.87	PASS
Se1960	200	193	96.5	PASS	20	1.571	PASS
Tl1908	200	197.6	98.8	PASS	20	-1.047	PASS
V_2924	200	201	100.5	PASS	20	-0.2264	PASS
Zn2062	200	203	101.5	PASS	20	-0.4637	PASS
Mo2020	200	194	97.0	PASS	10	-0.8082	PASS
Ti3372	200	198.5	99.3	PASS	10	-0.0995	PASS
B_2089	200	190.4	95.2	PASS	10	-3.72	PASS
Si2881A	5000	5026	100.5	PASS	500	-11.87	PASS
Si2881R	5000	5027	100.5	PASS	500	6.345	PASS
Sr3464	200	207.2	103.6	PASS	10	0.4658	PASS
Sn1899	200	200.9	100.5	PASS	10	-0.2785	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	15 Aug 2011			ug/L	15 Aug 2011	
		16:32:44				16:36:56	
Ag3280	200	198.9	99.5	PASS	5	-0.4224	PASS
Al3082A	5000	4958	99.2	PASS	100	-9.14	PASS
Al3082R	5000	4835	96.7	PASS	100	2.027	PASS
As1890	200	190	95.0	PASS	8	0.8867	PASS
Ba4554R	200	198.5	99.3	PASS	100	0.7423	PASS
Be3131R	200	189	94.5	PASS	3	-0.327	PASS
Ca3179R	5000	5104	102.1	PASS	500	-11.18	PASS
Cd2265	200	200.8	100.4	PASS	3	-0.2142	PASS
Co2286	200	191	95.5	PASS	20	-0.005	PASS
Cr2677	200	214.4	107.2	PASS	5	-0.0277	PASS
Cu3247	200	203.2	101.6	PASS	5	0.0788	PASS
Fe2599A	5000	5358	107.2	PASS	50	-6.194	PASS
Fe2599R	5000	5081	101.6	PASS	50	-6.966	PASS
K_7664R	5000	5096	101.9	PASS	500	-29.28	PASS
Mg2790R	5000	5117	102.3	PASS	500	-10.02	PASS
Mn2576	200	213.4	106.7	PASS	5	-0.4524	PASS
Na5895R	5000	4913	98.3	PASS	1000	-161.5	PASS
Ni2316	200	196.7	98.4	PASS	20	0.1197	PASS
Pb2203	200	207.1	103.6	PASS	8	-0.1326	PASS
Sb2068	200	182.1	91.1	PASS	20	-2.398	PASS
Se1960	200	197.2	98.6	PASS	20	0.7871	PASS
Tl1908	200	196.5	98.3	PASS	20	-1.129	PASS
V_2924	200	203.6	101.8	PASS	20	-0.2524	PASS
Zn2062	200	202.3	101.2	PASS	20	-0.3806	PASS
Mo2020	200	194.1	97.1	PASS	10	-0.4875	PASS
Ti3372	200	200.2	100.1	PASS	10	-0.1317	PASS
B_2089	200	188.3	94.2	PASS	10	-4.447	PASS
Si2881A	5000	5037	100.7	PASS	500	-10.02	PASS
Si2881R	5000	5047	100.9	PASS	500	0.5224	PASS
Sr3464	200	209.4	104.7	PASS	10	0.0398	PASS
Sn1899	200	201.7	100.9	PASS	10	-0.5771	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC

Solid Prep. Blank (PBS) - mg/Kg

ELEMENT	PBS B19P14	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	15 Aug 2011	mg/Kg	mg/Kg	mg/Kg	
	15:36:42				
Ag3280	-0.019	0.50	0.50	-0.50	PASS
Al3082A	1.286	10.00	10.00	-10.00	PASS
Al3082R	0.7001	10.00	10.00	-10.00	PASS
As1890	-0.4163	0.80	0.80	-0.80	PASS
Ba4554R	0.054	10	10	-10	PASS
Be3131R	-0.002	0.30	0.30	-0.30	PASS
Ca3179R	1.713	50	50	-50	PASS
Cd2265	-0.0085	0.30	0.30	-0.30	PASS
Co2286	0.0133	2.0	2.0	-2.0	PASS
Cr2677	0.0151	0.50	0.50	-0.50	PASS
Cu3247	0.013	1.0	1.0	-1.0	PASS
Fe2599A	1.401	5.0	5.0	-5.0	PASS
Fe2599R	1.602	5.0	5.0	-5.0	PASS
K_7664R	2.16	50	50	-50	PASS
Mg2790R	1.837	50	50	-50	PASS
Mn2576	-0.0367	0.50	0.50	-0.50	PASS
Na5895R	11.9	100	100	-100	PASS
Ni2316	0.0132	2.0	2.0	-2.0	PASS
Pb2203	0.0138	0.80	0.80	-0.80	PASS
Sb2068	-0.7216	2.0	2.0	-2.0	PASS
Se1960	-0.0246	2.0	2.0	-2.0	PASS
Tl1908	-0.0867	2.0	2.0	-2.0	PASS
V_2924	-0.0057	2.0	2.0	-2.0	PASS
Zn2062	-0.0066	2.0	2.0	-2.0	PASS
Mo2020	-0.0268	1.0	1.0	-1.0	PASS
Ti3372	-0.0031	1.0	1.0	-1.0	PASS
B_2089	-0.3066	1.0	1.0	-1.0	PASS
Si2881A**	0.394	N/A	N/A	N/A	N/A
Si2881R**	0.3407	N/A	N/A	N/A	N/A
Sr3464	0.0747	1.0	1.0	-1.0	PASS
Sn1899	-0.0687	1.0	1.0	-1.0	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC

Solid LCS (LCSS) - ug/Kg

ELEMENT	LCSS-1 B19P14	LCSS-2 B19P14	MEAN	RPD	TRUE VALUE	CONTROL LIMITS LOW	HIGH	% REC	FLAG	
	15 Aug 2011	15 Aug 2011	mg/Kg		mg/Kg	mg/Kg	mg/Kg			
	15:41:06	15:45:46								
Ag3280	50.43	52.01	51.2	3.08	51.9	34.4	69.4	99	PASS	
Al3082A	7879	7782	7831	1.24	9780	3810	15700	N/A*	N/A*	(switch to radial)
Al3082R	8169	8193	8181	0.29	9780	3810	15700	84	PASS	
As1890	102.5	106.1	104.3	3.45	109	90.7	128	96	PASS	
Ba4554R	308.8	316	312.4	2.30	325	270	380	96	PASS	
Be3131R	88.25	90.28	89.3	2.27	92.1	77.1	107	97	PASS	
Ca3179R	6561	6296	6429	4.12	6700	5250	8150	96	PASS	
Cd2265	101	103.1	102.1	2.06	110	88.8	131	93	PASS	
Co2286	121.9	126.4	124.2	3.62	133	108	158	93	PASS	
Cr2677	93.48	95.55	94.52	2.19	93.4	75.3	112	101	PASS	
Cu3247	79.53	80.9	80.22	1.71	74.7	62.6	86.8	107	PASS	
Fe2599A	11830	12220	12025	N/A*	13100	6620	19500	N/A*	N/A*	(switch to radial)
Fe2599R	13210	13720	13465	3.79	13100	6620	19500	103	PASS	
K_7664R	2396	2442	2419	1.90	2770	1810	3730	87	PASS	
Mg2790R	2735	2840	2788	3.77	2980	2070	3880	94	PASS	
Mn2576	424.3	447.2	435.8	5.26	443	340	546	98	PASS	
Na5895R	656.6	666.2	661.4	1.45	724	513	936	91	PASS	
Ni2316	99.5	102.7	101.1	3.17	109	88.5	129	93	PASS	
Pb2203	137.5	140.4	139.0	2.09	152	120	184	91	PASS	
Sb2068	200.9	209.9	205.4	4.38	121	20	265	170	PASS	
Se1960	191.3	194.2	192.8	1.50	207	164	249	93	PASS	
Tl1908	159.9	163.8	161.9	2.41	171	133	208	95	PASS	
V_2924	108	109.9	109.0	1.74	110	84.5	136	99	PASS	
Zn2062	276.5	288.1	282.3	4.11	299	245	352	94	PASS	
Mo2020	80.27	82.92	81.6	3.25	82.5	59.2	106	99	PASS	
Ti3372	198	191.9	195.0	3.13	193	56.9	330	101	PASS	
B_2089	125.9	129.7	127.8	2.97	142	90.7	193	90	PASS	
Si2881A**	569	572.1	570.6	N/A	N/A	N/A	N/A	N/A	N/A	
Si2881R**	566.9	582.3	574.6	N/A	N/A	N/A	N/A	N/A	N/A	
Sr3464	105.7	105.6	105.7	0.09	111	84.7	136	95	PASS	
Sn1899	137	142.7	139.9	4.08	135	107	163	104	PASS	

N/A* = Not Applicable since Axial mode pre-calculated value in ug/L was at saturated detector or above the LDR limit.
Darkened Area = Not Elements of Interest

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03623	AN03623 MS	SPIKE LEVEL	% REC	FLAG	QUALIFIER	COMMENTS
		15 Aug 2011	15 Aug 2011					
		15:50:29	15:55:32					
Ag3280	1.8	-2.148	211.7	200	105.9	PASS		
Al3082A	22.7	26380	30850	5000	89.4	PASS		
Al3082R	36.3	28500	33650	5000	103.0	PASS		
As1890	3.6	1905	2092	200	93.5	PASS		
Ba4554R	37	1919	2122	200	101.5	PASS		
Be3131R	1.8	1.447	205.1	200	102.6	PASS		
Ca3179R	240	352500	354500	5000	40.0	L	N/A	> 1X spike level
Cd2265	1.8	5.36	191.7	200	93.2	PASS		
Co2286	7.4	48.96	237.2	200	94.1	PASS		
Cr2677	3.6	363	566.7	200	101.9	PASS		
Cu3247	5.6	1335	1539	200	102.0	PASS		
Fe2599A	15	^ *****	^ *****	5000	N/A	K	N/A	(saturation) Switch to radial
Fe2599R	16	F 869600.	F 874200.	5000	N/A	N/A	N/A	> LDR
K_7664R	190	103100	108300	5000	104.0	PASS		
Mg2790R	170	161500	166300	5000	96.0	PASS		
Mn2576	3.7	3223	3471	200	124.0	PASS		
Na5895R	340	39700	45080	5000	107.6	PASS		
Ni2316	7.6	127.6	317.6	200	95.0	PASS		
Pb2203	4.2	F 182900.	F 184400.	200	N/A	N/A	N/A	> LDR
Sb2068	14	48.29	239.4	200	95.6	PASS		
Se1960	12	126.7	326.3	200	99.8	PASS		
Tl1908	9.2	2.151	178.2	200	89.1	PASS		
V_2924	7.5	280.4	489.3	200	104.5	PASS		
Zn2062	7.3	1119	1299	200	90.0	PASS		
Mo2020	3.6	93.68	287	200	96.7	PASS		
Ti3372	3.6	1177	1386	200	104.5	PASS		
B_2089	2.4	127.5	314.6	200	93.6	PASS		
Si2881A**	40.4	2643	7127	N/A	N/A	N/A	No Spike	
Si2881R**	50.4	2728	7265	N/A	N/A	N/A	No Spike	
Sr3464	2.8	2659	2856	200	98.5	PASS		
Sn1899	3.2	88.28	273.3	200	92.5	PASS		

Darkened Area = Not Elements of Interest

ICAP 6300 QC

MS and SDL - % Difference

ELEMENT	MS Value (ug/L) AN03623 MS	SDL Value (ug/L) AN03623 SDL	% Difference	FLAG	QUALIFIER	COMMENTS
	15 Aug 2011	15 Aug 2011				
	15:55:32	16:00:31				
Ag3280	211.7	196.5	7.18	PASS		
Al3082A	30850	32100	-4.05	PASS		
Al3082R	33650	31955	5.04	PASS		
As1890	2092	1963	6.17	PASS		
Ba4554R	2122	2023	4.67	PASS		
Be3131R	205.1	197.1	3.90	PASS		
Ca3179R	354500	352550	0.55	PASS		
Cd2265	191.7	191.3	0.21	PASS		
Co2286	237.2	237.55	-0.15	PASS		
Cr2677	566.7	561.5	0.92	PASS		
Cu3247	1539	1474.5	4.19	PASS		
Fe2599A	^ *****	813000	N/A	N/A		> LDR (switch to radial)
Fe2599R	874200	903000	-3.29	PASS		
K_7664R	108300	100800	6.93	PASS		
Mg2790R	166300	165600	0.42	PASS		
Mn2576	3471	3447.5	0.68	PASS		
Na5895R	45080	42735	5.20	PASS		
Ni2316	317.6	304.25	4.20	PASS		
Pb2203	184400	197750	-7.24	PASS		
Sb2068	239.4	222.55	7.04	PASS		
Se1960	326.3	305.6	6.3	PASS		
Tl1908	178.2	185.65	-4.18	PASS		
V_2924	489.3	473.95	3.14	PASS		
Zn2062	1299	1361	-4.77	PASS		
Mo2020	287	277.45	3.33	PASS		
Ti3372	1386	1361.5	1.77	PASS		
B_2089	314.6	294.2	6.48	PASS		
Si2881A**	7127	8230	-15.48	PASS		
Si2881R**	7265	8310	-14.38	PASS		
Sr3464	2856	2854	0.07	PASS		
Sn1899	273.3	271.8	0.55	PASS		

Darkened Area = Not Elements of Interest

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 3 SDs

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: R. RECTO

SAMPLE PREPARATION DATE(S): 08/12/11

ANALYSIS DATE: 08/15/11

DATA FILE: ESAT081511

ELEMENT(S) OF INTEREST: TAL METALS

COVER PAGE

	Pos ID	Type	Samplename	Comment	Instrument	Method	ConFact	Check	Check Table	Fail Action
1	1	QC	PBS B19P14		ICAP6300	SOP-C-109	0.1000	☒	PBS	None
2	2	QC	LCSS-1 B19P14		ICAP6300	SOP-C-109	0.1000	☒	LCSS	None
3	3	QC	LCSS-2 B19P14		ICAP6300	SOP-C-109	0.09804	☒	LCSS	None
4	4	Unk	AN03623	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	AN03623 MS	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	AN03623 SDL	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	5	☒	LDR	---
7	7	Unk	AN03624	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	AN03625	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	Unk	AN03623 X10	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
10	10	Unk	AN03624 X10	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---

SUMMARY - VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	15 Aug 2011 15:00:06	15 Aug 2011 15:04:29	15 Aug 2011 15:08:54	15 Aug 2011 15:14:14	15 Aug 2011 15:18:31	15 Aug 2011 15:22:58	15 Aug 2011 15:27:21	15 Aug 2011 15:31:45
Ag3280	-.0007	.4245	.8335	199.3	-.0971	5.397	10.65	-1.065
Al3961A	.0150	3.716	7.261	4912.	-8.954	104.5	209.1	^F *****
Al3961R	.0023	.2253	.4445	4872.	-18.22	72.46	199.4	308400.
As1890	.0004	.1626	.3275	197.6	-1.988	5.661	17.61	1.488
Ba4554R	.0092	11.35	22.18	200.4	.2545	101.1	202.7	.0755
Be3131R	.0005	6.494	12.66	193.6	.4064	3.071	6.336	-.3537
Ca3179R	.0064	.6308	1.240	5102.	-10.92	502.6	1013.	291900.
Cd2265	.0003	6.612	12.91	200.0	.0309	2.930	5.802	-.1274
Co2286	.0001	2.209	4.419	193.2	.1784	19.52	40.14	-1.092
Cr2677	-.0002	1.387	2.754	212.4	.4528	5.602	11.13	1.361
Cu3247	.0109	4.290	8.356	208.4	-.6596	11.28	21.79	5.243
Fe2599A	.0082	3.137	5.991	5244.	-10.01	44.54	101.6	^ *****
Fe2599R	.0012	.4397	.8681	5065.	-10.73	41.44	97.74	301000.
K_7664R	-.0065	.0821	.1646	5158.	36.30	512.8	1078.	-85.77
Mg2790R	.0003	.0726	.1438	5042.	-14.34	497.6	980.4	293900.
Mn2576	.0020	18.94	36.57	210.2	.1383	5.385	10.91	-.2788
Na5895R	.0369	.4720	.8998	4979.	-103.7	920.8	1932.	299500.
Ni2316	-.0001	1.240	2.475	197.4	-.0541	19.42	39.65	1.140
Pb2203	.0002	.5371	1.075	201.5	.0329	9.677	18.01	-5.549
Sb2068	.0004	.2319	.4649	187.2	-6.175	16.94	28.15	-2.489
Se1960	.0002	.1452	.2894	195.8	1.298	19.20	42.51	6.737
Tl1908	-.0001	.2662	.5276	199.0	.2830	18.93	38.94	1.507
V_2924	-.0003	3.954	7.754	203.8	.1738	20.45	41.33	-1.172
Zn2062	.0011	2.855	5.711	198.6	.1957	22.74	44.66	1.564
Mo2020	.0001	1.578	3.176	198.6	.2100	10.09	20.02	-2.244
Ti3372	-.0016	10.91	21.37	201.3	.0630	10.38	20.72	1.893
B_2089	.0004	.7176	1.431	205.0	1.023	7.704	17.53	-4.715
Si2881A	.0079	.7727	1.515	5085.	-3.215	518.8	1042.	-11.89
Si2881R	.0007	.1108	.2200	5023.	3.060	522.0	1008.	11.64
Sn1899	.0001	.4350	.8624	200.0	.5527	10.24	21.46	.8046
Sr3464	-.0008	3.108	6.199	206.0	.4591	11.08	21.44	2.076
Y_2243-A	23225.	23624.	23797.	24640.	24274.	24411.	24546.	22534.
Y_3203-A	40069.	40181.	40677.	40792.	39831.	39473.	39509.	36770.
Y_3600-R	21679.	21604.	21835.	20968.	21141.	20378.	20680.	20222.

SUMMARY - VERTICAL REPORT

	PBS B19P14	LCSS-1 B19P14	LCSS-2 B19P14	AN03623	AN03623 MS	AN03623 SDL	AN03624	AN03625
	15 Aug 2011 15:36:42	15 Aug 2011 15:41:06	15 Aug 2011 15:45:46	15 Aug 2011 15:50:29	15 Aug 2011 15:55:32	15 Aug 2011 16:00:31	15 Aug 2011 16:05:05	15 Aug 2011 16:10:17
Ag3280	-.0190	50.43	52.01	-2.148	211.7	196.5	3.278	-.0843
Al3961A	1.286	7879.	7782.	26380.	30850.	32100.	17530.	41420.
Al3961R	.7001	8169.	8193.	28500.	33650.	31960.	18850.	43370.
As1890	-.4163	102.5	106.1	1905.	2092.	1963.	72.25	76.87
Ba4554R	.0540	308.8	316.0	1919.	2122.	2023.	2361.	454.1
Be3131R	-.0020	88.25	90.28	1.447	205.1	197.1	1.504	1.434
Ca3179R	1.713	6561.	6296.	352500.	354500.	352500.	307400.	267600.
Cd2265	-.0085	101.0	103.1	5.360	191.7	191.3	5.094	1.367
Co2286	.0133	121.9	126.4	48.96	237.2	237.6	32.74	39.25
Cr2677	.0151	93.48	95.55	363.0	566.7	561.7	94.61	226.0
Cu3247	.0130	79.53	80.90	1335.	1539.	1475.	477.4	283.5
Fe2599A	1.401	11830.	12220.	^ *****	^ *****	F 813200.	F 138800.	F 86860.
Fe2599R	1.602	13210.	13720.	F 869600.	F 874200.	F 903000.	157600.	92640.
K_7664R	2.160	2396.	2442.	103100.	108300.	100800.	4377.	9698.
Mg2790R	1.837	2735.	2840.	161500.	166300.	165600.	78720.	157900.
Mn2576	-.0367	424.3	447.2	3223.	3471.	3447.	14800.	2536.
Na5895R	11.90	656.6	666.2	39700.	45080.	42730.	41300.	16180.
Ni2316	.0132	99.50	102.7	127.6	317.6	304.2	80.29	117.4
Pb2203	.0138	137.5	140.4	F 182900.	F 184400.	F 197800.	F 249500.	27730.
Sb2068	-.7216	200.9	209.9	48.29	239.4	222.6	12.85	-.2747
Se1960	-.0246	191.3	194.2	126.7	326.3	305.6	17.16	7.960
Tl1908	-.0867	159.9	163.8	2.151	178.2	185.7	-12.02	-1.662
V_2924	-.0057	108.0	109.9	280.4	489.3	473.9	124.0	128.0
Zn2062	-.0066	276.5	288.1	1119.	1299.	1361.	574.4	707.6
Mo2020	-.0268	80.27	82.92	93.68	287.0	277.4	20.09	12.76
Ti3372	-.0031	198.0	191.9	1177.	1386.	1362.	1847.	1114.
B_2089	-.3066	125.9	129.7	127.5	314.6	294.2	116.0	36.45
Si2881A	.3940	569.0	572.1	2643.	7127.	8232.	4670.	3034.
Si2881R	.3407	566.9	582.3	2728.	7265.	8309.	4615.	3004.
Sn1899	-.0687	137.0	142.7	88.28	273.3	271.8	188.1	90.77
Sr3464	.0747	105.7	105.6	2659.	2856.	2854.	1118.	381.6
Y_2243-A	24591.	25905.	25451.	24008.	24134.	25262.	25105.	25023.
Y_3203-A	40281.	42740.	42248.	39456.	39264.	40972.	41591.	40807.
Y_3600-R	20330.	22840.	21812.	21468.	21482.	21118.	21155.	21481.

SUMMARY - VERTICAL REPORT

	AN03623 X10	AN03624 X10	CCV	CCB	CCV	CCB	RL	2RL	IOS
	15 Aug 2011 16:15:11	15 Aug 2011 16:19:39	15 Aug 2011 16:24:07	15 Aug 2011 16:28:21	15 Aug 2011 16:32:44	15 Aug 2011 16:36:56	15 Aug 2011 16:41:21	15 Aug 2011 16:45:44	15 Aug 2011 16:50:07
Ag3280	.1829	.2755	196.5	-.7319	198.9	-.4224	5.080	10.24	-1.598
Al3961A	2806.	1823.	4892.	-9.690	4958.	-9.140	103.4	209.6	^F *****
Al3961R	2741.	1787.	4825.	-23.36	4835.	2.027	85.56	198.1	304400.
As1890	185.7	5.392	193.2	-2.734	190.0	.8867	7.400	18.98	.0016
Ba4554R	190.8	235.0	197.3	.7522	198.5	.7423	98.66	198.1	1.115
Be3131R	-.1929	.0463	188.2	.0061	189.0	-.3270	2.630	5.759	.0573
Ca3179R	35760.	31400.	5079.	-9.997	5104.	-11.18	498.6	1015.	291000.
Cd2265	-.1800	.0942	202.2	-.2365	200.8	-.2142	2.921	6.138	-.8452
Co2286	4.877	3.375	191.9	.0625	191.0	-.0050	19.72	39.82	-1.163
Cr2677	37.95	9.938	212.4	.2112	214.4	-.0277	5.303	11.52	1.334
Cu3247	132.9	47.22	203.7	.3530	203.2	.0788	10.73	21.66	4.977
Fe2599A	F 89780.	16440.	5248.	-5.447	5358.	-6.194	47.28	106.7	^ *****
Fe2599R	95400.	16290.	5044.	-4.357	5081.	-6.966	42.78	93.35	298100.
K_7664R	9986.	388.1	5036.	7.805	5096.	-29.28	476.3	1049.	-51.19
Mg2790R	16560.	8021.	5148.	-20.64	5117.	-10.02	510.0	1016.	298300.
Mn2576	334.4	1626.	209.9	-.4519	213.4	-.4524	5.013	10.72	-.6194
Na5895R	3822.	3997.	4946.	-133.2	4913.	-161.5	843.1	1858.	297700.
Ni2316	11.78	8.124	196.0	-.0511	196.7	.1197	20.36	39.56	.7370
Pb2203	20350.	27560.	207.0	.3540	207.1	-.1326	7.241	19.62	7.948
Sb2068	-1.193	-4.935	188.3	-4.870	182.1	-2.398	15.09	33.72	-2.176
Se1960	10.60	1.409	193.0	1.571	197.2	.7871	18.59	38.39	9.026
Tl1908	.3555	-1.992	197.6	-1.047	196.5	-1.129	18.59	38.42	-.2997
V_2924	28.36	12.23	201.0	-.2264	203.6	-.2524	19.84	40.55	-1.069
Zn2062	121.6	61.84	203.0	-.4637	202.3	-.3806	23.04	46.48	2.045
Mo2020	8.524	1.050	194.0	-.8082	194.1	-.4875	9.250	19.15	-2.723
Ti3372	117.2	183.1	198.5	-.0995	200.2	-.1317	10.08	20.47	1.331
B_2089	10.23	7.644	190.4	-3.720	188.3	-4.447	F 4.164	14.50	-6.354
Si2881A	242.6	420.1	5026.	-11.87	5037.	-10.02	494.7	1025.	-21.08
Si2881R	248.8	395.9	5027.	6.345	5047.	.5224	506.4	1005.	7.702
Sn1899	8.827	19.31	200.9	-.2785	201.7	-.5771	9.658	21.48	.6780
Sr3464	275.8	117.0	207.2	.4658	209.4	.0398	10.29	21.08	1.794
Y_2243-A	25290.	25711.	25989.	25722.	25860.	25875.	26007.	25589.	23640.
Y_3203-A	40813.	42346.	41391.	41743.	41009.	41155.	41684.	40132.	37413.
Y_3600-R	21402.	20184.	19593.	20024.	19579.	19196.	19469.	18592.	17935.

Sample Name: Blank Acquired: 8/15/2011 15:00:06 Type: Cal
Method: PROMIUM(v19) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0007**	**.0150**	**.0023**	**.0004**	**.0092**	**.0005**	**.0064**	**.0003**	**.0001**	**-.0002**	**.0109**
Stddev	.0005	.0002	.0006	.0001	.0003	.0001	.0005	.0000	.0001	.0001	.0002
%RSD	74.30	1.425	25.45	19.70	3.711	27.64	7.078	9.903	112.8	68.85	1.948
#1	-.0002	.0148	.0028	.0003	.0095	.0004	.0059	.0003	.0001	-.0001	.0109
#2	-.0012	.0152	.0025	.0005	.0088	.0007	.0068	.0003	.0000	-.0003	.0107
#3	-.0008	.0151	.0017	.0003	.0093	.0004	.0065	.0003	.0003	-.0002	.0112

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0082**	**.0012**	**-.0065**	**.0003**	**.0020**	**.0369**	**-.0001**	**.0002**	**.0004**	**.0002**	**-.0001**
Stddev	.0003	.0000	.0013	.0003	.0004	.0006	.0001	.0001	.0003	.0001	.0001
%RSD	3.252	3.616	20.57	100.5	17.63	1.736	185.4	57.07	78.88	41.04	67.06
#1	.0084	.0012	-.0068	.0004	.0019	.0369	-.0001	.0001	.0006	.0001	-.0002
#2	.0079	.0012	-.0077	.0004	.0024	.0376	.0001	.0003	.0006	.0002	-.0001
#3	.0084	.0012	-.0050	.0000	.0017	.0363	-.0002	.0001	.0000	.0003	-.0001

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**.0011**	**.0001**	**-.0016**	**.0004**	**.0079**	**.0007**	**-.0008**	**.0001**
Stddev	.0001	.0000	.0001	.0004	.0001	.0001	.0002	.0002	.0001
%RSD	24.80	1.070	43.71	26.56	34.80	1.888	35.34	26.47	51.89
#1	-.0003	.0011	.0002	-.0020	.0006	.0080	.0009	-.0010	.0001
#2	-.0004	.0011	.0001	-.0012	.0004	.0077	.0008	-.0010	.0002
#3	-.0002	.0011	.0001	-.0015	.0003	.0080	.0004	-.0006	.0002

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23225.**	**40069.**	**21679.**
Stddev	169.	426.	110.
%RSD	.72907	1.0622	.50897
#1	23304.	39897.	21680.
#2	23031.	39757.	21568.
#3	23341.	40554.	21788.

Sample Name: MID STD Acquired: 8/15/2011 15:04:29 Type: Cal
Method: PROMIUM(v19) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4245**	**3.716**	**.2253**	**.1626**	**11.35**	**6.494**	**.6308**	**6.612**	**2.209**	**1.387**	**4.290**
Stddev	.0010	.004	.0017	.0005	.05	.029	.0039	.020	.001	.007	.018
%RSD	.2341	.1140	.7572	.2831	.4359	.4510	.6137	.3014	.0310	.4955	.4081
#1	.4234	3.717	.2263	.1622	11.40	6.479	.6334	6.589	2.209	1.381	4.281
#2	.4254	3.719	.2233	.1625	11.30	6.527	.6263	6.625	2.209	1.394	4.279
#3	.4247	3.711	.2263	.1631	11.36	6.474	.6326	6.622	2.208	1.386	4.310

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.137**	**.4397**	**.0821**	**.0726**	**18.94**	**.4720**	**1.240**	**.5371**	**.2319**	**.1452**	**.2662**
Stddev	.021	.0022	.0022	.0005	.16	.0026	.001	.0013	.0010	.0001	.0003
%RSD	.6737	.5001	2.695	.7218	.8340	.5607	.0626	.2363	.4118	.0725	.1162
#1	3.130	.4381	.0847	.0720	19.02	.4750	1.241	.5357	.2308	.1451	.2662
#2	3.161	.4422	.0812	.0729	19.05	.4712	1.240	.5379	.2323	.1453	.2659
#3	3.120	.4388	.0806	.0729	18.76	.4699	1.240	.5379	.2326	.1453	.2665

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.954**	**2.855**	**1.578**	**10.91**	**.7176**	**.7727**	**.1108**	**3.108**	**.4350**
Stddev	.021	.011	.003	.07	.0007	.0009	.0010	.014	.0005
%RSD	.5224	.3907	.1762	.6820	.0943	.1156	.8660	.4468	.1261
#1	3.930	2.842	1.581	10.86	.7183	.7717	.1115	3.100	.4344
#2	3.962	2.864	1.576	11.00	.7175	.7732	.1097	3.124	.4355
#3	3.969	2.859	1.576	10.89	.7170	.7732	.1111	3.101	.4352

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23624.**	**40181.**	**21604.**
Stddev	32.	207.	166.
%RSD	.13531	.51572	.77033
#1	23641.	40269.	21473.
#2	23587.	39944.	21548.
#3	23645.	40329.	21791.

Sample Name: HIGH STD Acquired: 8/15/2011 15:08:54 Type: Cal
Method: PROMIUM(v19) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.8335**	**7.261**	**.4445**	**.3275**	**22.18**	**12.66**	**1.240**	**12.91**	**4.419**	**2.754**	**8.356**
Stddev	.0060	.082	.0021	.0010	.50	.08	.006	.01	.009	.020	.114
%RSD	.7188	1.130	.4662	.3159	2.248	.6222	.5024	.0935	.2032	.7135	1.363
#1	.8396	7.351	.4446	.3263	22.00	12.73	1.244	12.90	4.414	2.770	8.371
#2	.8276	7.189	.4466	.3281	22.74	12.68	1.243	12.90	4.414	2.732	8.461
#3	.8334	7.245	.4424	.3281	21.80	12.58	1.233	12.92	4.430	2.759	8.235

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.991**	**.8681**	**.1646**	**.1438**	**36.57**	**.8998**	**2.475**	**1.075**	**.4649**	**.2894**	**.5276**
Stddev	.049	.0054	.0026	.0006	.70	.0052	.005	.002	.0034	.0009	.0018
%RSD	.8181	.6269	1.597	.3948	1.923	.5832	.2021	.1515	.7308	.3166	.3370
#1	6.046	.8731	.1669	.1437	37.04	.9040	2.479	1.076	.4610	.2905	.5295
#2	5.977	.8688	.1651	.1444	36.92	.9014	2.469	1.073	.4669	.2891	.5273
#3	5.951	.8623	.1617	.1433	35.76	.8939	2.475	1.076	.4668	.2887	.5259

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.754**	**5.711**	**3.176**	**21.37**	**1.431**	**1.515**	**.2200**	**6.199**	**.8624**
Stddev	.181	.043	.006	.12	.002	.011	.0014	.035	.0023
%RSD	2.336	.7566	.1999	.5434	.1442	.7058	.6549	.5667	.2718
#1	7.948	5.673	3.183	21.51	1.431	1.524	.2204	6.229	.8611
#2	7.589	5.701	3.174	21.29	1.432	1.503	.2211	6.160	.8610
#3	7.726	5.758	3.171	21.33	1.428	1.517	.2183	6.206	.8651

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23797.**	**40677.**	**21835.**
Stddev	359.	524.	300.
%RSD	1.5078	1.2879	1.3730
#1	23389.	40139.	22013.
#2	23936.	40708.	21489.
#3	24065.	41185.	22004.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	-0.000711	0.000841	0.000000	1.000000	0.999959	0.351325	1.053975	3.513249
Al 396.152 { 85}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.015049	0.000715	0.000000	1.000000	0.999950	1.248306	3.744917	12.483056
Al 396.152 { 85}2	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.002301	0.000042	0.000000	1.000000	0.999992	0.516986	1.550958	5.169859
As 189.042 {478}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.000378	0.000033	0.000000	1.000000	0.999993	0.462907	1.388721	4.629071
Ba 455.403 { 74}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.009266	0.002234	0.000000	1.000000	0.999941	1.324708	3.974123	13.247076
Be 313.107 {108}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.000550	0.001276	0.000000	1.000000	0.999929	1.464282	4.392846	14.642819
Ca 317.933 {106}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.006401	0.000124	0.000000	1.000000	0.999983	0.711260	2.133780	7.112599
Cd 226.502 {449}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.000368	0.001301	0.000000	1.000000	0.999935	1.395845	4.187534	13.958447
Co 228.616 {447}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.000123	0.000441	0.000000	1.000000	1.000000	0.026932	0.080795	0.269317
Cr 267.716 {126}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	-0.000190	0.000276	0.000000	1.000000	0.999994	0.412117	1.236350	4.121168
Cu 324.754 {104}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.010969	0.000844	0.000000	1.000000	0.999929	1.458730	4.376189	14.587298
Fe 259.940 {130}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.008266	0.000608	0.000000	1.000000	0.999773	2.604941	7.814822	26.049408
Fe 259.940 {130}2	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.001185	0.000087	0.000000	1.000000	0.999985	0.670690	2.012069	6.706896
K 766.490 { 44}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	-0.006506	0.000017	0.000000	1.000000	0.999857	2.071543	6.214630	20.715434
Mg 279.079 {121}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.000258	0.000015	0.000000	1.000000	0.999994	0.430744	1.292233	4.307445
Mn 257.610 {131}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.002257	0.003701	0.000000	1.000000	0.999860	2.046121	6.138362	20.461208
Na 589.592 { 57}	8/15/2011 15:14:07	8/15/2011 15:14:07	Linear	1/Conc	0.036930	0.000087	0.000000	1.000000	0.999992	0.489235	1.467706	4.892352
Ni 231.604 {445}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	-0.000065	0.000248	0.000000	1.000000	0.999999	0.141005	0.423015	1.410052
Pb 220.353 {453}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.000156	0.000108	0.000000	1.000000	1.000000	0.039969	0.119906	0.399687
Sb 206.833 {463}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.000383	0.000047	0.000000	1.000000	0.999999	0.184593	0.553780	1.845932
Se 196.090 {472}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.000206	0.000029	0.000000	1.000000	0.999999	0.166639	0.499917	1.666391
Tl 190.856 {477}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	-0.000136	0.000053	0.000000	1.000000	0.999990	0.540362	1.621087	5.403624
V 292.402 {115}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	-0.000272	0.000781	0.000000	1.000000	0.999957	1.135321	3.405964	11.353215
Zn 206.200 {463}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.001108	0.000571	0.000000	1.000000	1.000000	0.018374	0.055122	0.183739
Mo 202.030 {467}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.000119	0.000317	0.000000	1.000000	0.999995	0.383118	1.149355	3.831182
Ti 337.280 {100}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	-0.001517	0.002153	0.000000	1.000000	0.999950	1.220394	3.661181	12.203938
B 208.959 {461}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.000409	0.000136	0.000000	1.000000	0.999999	0.181297	0.543891	1.812968
Si 288.158 {117}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.007889	0.000150	0.000000	1.000000	0.999975	0.864454	2.593362	8.644540
Si 288.158 {117}2	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.000683	0.000022	0.000000	1.000000	0.999998	0.253801	0.761403	2.538011
Sr 346.446 { 97}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	-0.000833	0.000621	0.000000	1.000000	0.999999	0.173883	0.521649	1.738829
Sn 189.989 {477}	8/15/2011 15:14:08	8/15/2011 15:14:08	Linear	1/Conc	0.000143	0.000087	0.000000	1.000000	0.999992	0.503147	1.509441	5.031468
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/15/2011 15:14:14 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.3**	**4912.**	**4872.**	**197.6**	**200.4**	**193.6**	**5102.**	**200.0**	**193.2**	**212.4**	**208.4**
Stddev	1.4	36.	33.	3.2	.6	1.7	12.	.9	.3	1.5	1.7
%RSD	.7026	.7312	.6738	1.599	.2937	.8540	.2394	.4635	.1716	.6830	.8134
#1	197.8	4876.	4835.	196.8	199.7	192.9	5088.	201.0	193.6	213.5	206.4
#2	200.6	4947.	4883.	194.9	200.6	192.3	5110.	199.3	193.0	213.0	209.1
#3	199.6	4912.	4897.	201.0	200.8	195.4	5107.	199.7	193.1	210.8	209.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5244.**	**5065.**	**5158.**	**5042.**	**210.2**	**4979.**	**197.4**	**201.5**	**187.2**	**195.8**	**199.0**
Stddev	14.	13.	55.	33.	.4	54.	.8	3.3	3.3	1.9	1.8
%RSD	.2612	.2555	1.059	.6481	.1727	1.092	.4221	1.656	1.754	.9453	.8911
#1	5259.	5052.	5174.	5037.	210.6	4947.	197.6	203.5	183.7	196.8	199.4
#2	5238.	5064.	5097.	5076.	209.9	4948.	196.5	197.6	190.2	193.6	197.1
#3	5234.	5078.	5203.	5011.	210.2	5042.	198.1	203.3	187.9	196.9	200.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.8**	**198.6**	**198.6**	**201.3**	**205.0**	**5085.**	**5023.**	**206.0**	**200.0**
Stddev	.9	2.0	.3	.7	.7	40.	18.	1.0	1.0
%RSD	.4329	1.014	.1275	.3448	.3486	.7874	.3656	.5016	.4868
#1	202.9	200.5	198.4	200.6	205.7	5040.	5009.	206.7	199.8
#2	204.6	196.5	198.5	202.0	205.0	5116.	5016.	206.5	199.2
#3	203.9	198.9	198.9	201.4	204.3	5099.	5044.	204.8	201.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24640.**	**40792.**	**20968.**
Stddev	284.	79.	200.
%RSD	1.1516	.19263	.95365
#1	24784.	40707.	21089.
#2	24823.	40807.	20737.
#3	24313.	40863.	21078.

Sample Name: ICB Acquired: 8/15/2011 15:18:31 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0971**	**-8.954**	**-18.22**	**-1.988**	**.2545**	**.4064**	**-10.92**	**.0309**	**.1784**	**.4528**	**-.6596**
Stddev	.4122	.704	16.68	1.039	.5146	.0308	2.34	.1534	.0559	.4841	.5131
%RSD	424.6	7.860	91.54	52.23	202.2	7.571	21.41	497.1	31.36	106.9	77.79
#1	.3778	-8.862	-33.40	-3.136	-.2415	.4362	-10.40	.1945	.1174	.2945	-.1214
#2	-.3616	-9.699	-20.89	-1.112	.2190	.4081	-13.48	.0077	.2273	.0677	-1.143
#3	-.3074	-8.301	-.3665	-1.717	.7858	.3747	-8.887	-.1096	.1904	.9963	-.7142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.01**	**-10.73**	**36.30**	**-14.34**	**.1383**	**-103.7**	**-.0541**	**.0329**	**-6.175**	**1.298**	**.2830**
Stddev	.32	3.20	125.1	13.24	.0123	16.9	.1033	3.447	1.108	1.198	.4986
%RSD	3.214	29.83	344.7	92.29	8.915	16.32	191.1	10490.	17.94	92.30	176.2
#1	-9.639	-9.250	170.4	-28.46	.1507	-90.10	-.0548	-3.905	-6.927	2.629	.1040
#2	-10.23	-14.40	15.69	-2.210	.1261	-98.32	.0496	2.499	-4.904	.9561	-.1015
#3	-10.16	-8.531	-77.23	-12.36	.1382	-122.6	-.1571	1.504	-6.696	.3078	.8463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1738**	**.1957**	**.2100**	**.0630**	**1.023**	**-3.215**	**3.060**	**.4591**	**.5527**
Stddev	.2380	.0575	.1244	.1015	.622	2.562	8.048	.6614	.2673
%RSD	136.9	29.37	59.22	161.1	60.83	79.68	263.0	144.1	48.37
#1	-.0967	.2273	.3466	.1613	1.299	-5.215	12.22	-.0872	.3080
#2	.3511	.2304	.1799	-.0415	.3104	-4.103	-2.852	1.194	.8380
#3	.2669	.1293	.1034	.0692	1.459	-.3276	-.1924	.2701	.5121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24274.**	**39831.**	**21141.**
Stddev	207.	640.	759.
%RSD	.85363	1.6069	3.5908
#1	24364.	40561.	21655.
#2	24037.	39566.	21498.
#3	24422.	39366.	20269.

Sample Name: RL Acquired: 8/15/2011 15:22:58 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.397**	**104.5**	**72.46**	**5.661**	**101.1**	**3.071**	**502.6**	**2.930**	**19.52**	**5.602**	**11.28**
Stddev	1.048	1.4	7.10	.849	.2	.319	4.2	.227	.07	.244	.33
%RSD	19.42	1.296	9.794	15.00	.2161	10.37	.8334	7.731	.3828	4.349	2.927
#1	4.235	102.9	77.66	5.384	101.0	2.873	505.9	2.816	19.48	5.719	11.61
#2	5.681	105.1	64.37	4.985	101.0	2.901	504.1	2.782	19.61	5.322	10.95
#3	6.273	105.4	75.34	6.614	101.4	3.438	497.9	3.190	19.48	5.766	11.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44.54**	**41.44**	**512.8**	**497.6**	**5.385**	**920.8**	**19.42**	**9.677**	**16.94**	**19.20**	**18.93**
Stddev	.54	3.47	31.3	30.3	.055	9.7	.41	2.042	2.04	1.14	1.45
%RSD	1.218	8.382	6.103	6.097	1.021	1.058	2.090	21.11	12.02	5.930	7.654
#1	44.06	37.71	548.6	470.8	5.391	931.6	19.89	7.805	15.11	18.23	18.68
#2	44.42	44.58	498.7	491.4	5.327	912.7	19.20	11.86	19.13	18.91	17.63
#3	45.13	42.05	491.0	530.5	5.436	918.2	19.18	9.370	16.59	20.45	20.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.45**	**22.74**	**10.09**	**10.38**	**7.704**	**518.8**	**522.0**	**11.08**	**10.24**
Stddev	.71	.24	.67	.21	1.175	3.6	9.4	1.37	.40
%RSD	3.466	1.055	6.660	2.034	15.25	.7027	1.806	12.39	3.907
#1	19.67	22.50	10.60	10.58	9.058	514.6	532.3	11.32	9.829
#2	21.05	22.75	9.329	10.16	7.101	520.3	520.1	9.605	10.63
#3	20.65	22.98	10.34	10.40	6.954	521.4	513.7	12.32	10.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24411.**	**39473.**	**20378.**
Stddev	230.	257.	230.
%RSD	.94417	.65110	1.1308
#1	24533.	39744.	20640.
#2	24145.	39441.	20290.
#3	24555.	39233.	20205.

Sample Name: 2RL Acquired: 8/15/2011 15:27:21 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.65**	**209.1**	**199.4**	**17.61**	**202.7**	**6.336**	**1013.**	**5.802**	**40.14**	**11.13**	**21.79**
Stddev	.32	1.1	4.3	1.95	1.1	.455	10.	.207	.05	.11	.48
%RSD	2.988	.5094	2.171	11.06	.5395	7.187	1.032	3.565	.1206	.9893	2.182
#1	10.94	210.3	198.2	19.78	201.6	6.242	1001.	5.782	40.11	11.17	22.34
#2	10.72	208.3	204.2	17.00	203.8	6.831	1019.	6.019	40.12	11.01	21.51
#3	10.31	208.7	195.8	16.03	202.8	5.934	1019.	5.607	40.20	11.22	21.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**101.6**	**97.74**	**1078.**	**980.4**	**10.91**	**1932.**	**39.65**	**18.01**	**28.15**	**42.51**	**38.94**
Stddev	.4	5.79	38.	13.0	.03	3.	.61	2.79	1.99	1.65	3.05
%RSD	.3627	5.919	3.563	1.330	.3108	.1721	1.530	15.49	7.051	3.874	7.831
#1	102.0	96.38	1107.	986.8	10.94	1928.	39.09	15.43	27.07	43.30	35.78
#2	101.4	104.1	1092.	965.4	10.90	1935.	39.57	17.63	26.94	40.62	39.16
#3	101.4	92.75	1035.	989.1	10.87	1933.	40.30	20.97	30.44	43.62	41.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41.33**	**44.66**	**20.02**	**20.72**	**17.53**	**1042.**	**1008.**	**21.44**	**21.46**
Stddev	.34	.21	.31	.16	.60	4.	8.	.06	1.65
%RSD	.8282	.4703	1.539	.7822	3.415	.3816	.8007	.2982	7.687
#1	41.72	44.61	20.37	20.79	18.13	1046.	1010.	21.48	20.55
#2	41.07	44.48	19.79	20.54	16.93	1039.	1014.	21.36	20.46
#3	41.20	44.89	19.90	20.84	17.54	1040.	998.6	21.47	23.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24546.**	**39509.**	**20680.**
Stddev	184.	513.	159.
%RSD	.74991	1.2990	.77051
#1	24381.	39352.	20498.
#2	24745.	40082.	20747.
#3	24511.	39092.	20794.

Sample Name: IOS Acquired: 8/15/2011 15:31:45 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.065**	^F *****	**308400.**	**1.488**	**.0755**	**-.3537**	**291900.**	**-.1274**	**-1.092**	**1.361**	**5.243**
Stddev	.643	-----	1047.	4.112	.2850	.1393	1804.	.1946	.187	.781	.144
%RSD	60.37	-----	.3393	276.4	377.4	39.38	.6181	152.8	17.14	57.37	2.754
#1	-.7548	^ -----	308300.	-3.186	.2291	-.1939	290500.	-.0605	-1.225	.4888	5.363
#2	-1.804	^ -----	309600.	4.550	.2508	-.4185	291300.	.0250	-.8780	1.601	5.083
#3	-.6355	^ -----	307500.	3.100	-.2534	-.4489	294000.	-.3466	-1.173	1.995	5.284
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**301000.**	**-85.77**	**293900.**	**-.2788**	**299500.**	**1.140**	**-5.549**	**-2.489**	**6.737**	**1.507**
Stddev	-----	3763.	45.03	621.	.0547	5594.	.514	2.207	4.990	2.918	1.493
%RSD	-----	1.250	52.51	.2112	19.63	1.868	45.12	39.78	200.5	43.31	99.08
#1	^ -----	297700.	-97.05	293500.	-.2162	295900.	.6326	-6.087	-4.651	6.659	2.582
#2	^ -----	300200.	-36.17	294600.	-.3025	296600.	1.127	-3.122	3.217	3.858	-.1980
#3	^ -----	305100.	-124.1	293500.	-.3176	305900.	1.661	-7.437	-6.033	9.692	2.138
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.172**	**1.564**	**-2.244**	**1.893**	**-4.715**	**-11.89**	**11.64**	**2.076**	**.8046**
Stddev	.424	.186	.554	.093	1.408	1.58	11.79	.524	.6265
%RSD	36.19	11.90	24.71	4.902	29.86	13.30	101.3	25.23	77.86
#1	-1.533	1.721	-2.857	1.822	-4.728	-13.69	.5390	1.756	1.190
#2	-1.278	1.359	-1.777	1.860	-3.300	-10.75	24.02	2.680	1.142
#3	-.7049	1.613	-2.097	1.998	-6.116	-11.22	10.35	1.791	.0817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22534.**	**36770.**	**20222.**
Stddev	74.	177.	124.
%RSD	.32667	.48162	.61319
#1	22449.	36874.	20344.
#2	22580.	36565.	20226.
#3	22573.	36870.	20096.

Sample Name: PBS B19P14 Acquired: 8/15/2011 15:36:42 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 0.100000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0190**	**1.286**	**.7001**	**-.4163**	**.0540**	**-.0020**	**1.713**	**-.0085**	**.0133**	**.0151**	**.0130**
Stddev	.0292	.474	1.152	.2330	.0210	.0121	.150	.0103	.0162	.0598	.0823
%RSD	153.5	36.83	164.6	55.97	38.79	597.7	8.735	121.5	121.9	397.2	631.6
#1	-.0388	1.823	.1760	-.3720	.0300	-.0097	1.772	-.0194	.0208	.0609	.0443
#2	.0145	.9268	-.0969	-.6683	.0684	-.0082	1.543	.0010	-.0053	-.0526	-.0804
#3	-.0327	1.108	2.021	-.2086	.0637	.0119	1.824	-.0070	.0244	.0369	.0751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.401**	**1.602**	**2.160**	**1.837**	**-.0367**	**11.90**	**.0132**	**.0138**	**-.7216**	**-.0246**	**-.0867**
Stddev	.570	.631	4.098	1.634	.0044	1.19	.0443	.0237	.2652	.2446	.1236
%RSD	40.66	39.41	189.7	88.97	11.97	10.04	336.0	172.1	36.74	994.4	142.6
#1	2.059	2.330	4.043	3.462	-.0412	12.64	.0601	.0265	-.6900	-.1783	-.0222
#2	1.065	1.285	4.979	1.855	-.0363	12.53	.0075	.0284	-.4737	-.1529	-.0087
#3	1.079	1.193	-2.541	.1935	-.0325	10.52	-.0280	-.0136	-1.001	.2574	-.2292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0057**	**-.0066**	**-.0268**	**-.0031**	**-.3066**	**.3940**	**.3407**	**.0747**	**-.0687**
Stddev	.0240	.0113	.0129	.0009	.0908	.1782	.4618	.0587	.0784
%RSD	420.0	169.7	48.10	30.34	29.62	45.24	135.5	78.52	114.1
#1	.0193	-.0071	-.0412	-.0020	-.2017	.5744	-.1611	.0278	-.0750
#2	-.0286	.0048	-.0167	-.0035	-.3592	.2180	.4353	.0559	-.1438
#3	-.0079	-.0177	-.0224	-.0038	-.3589	.3895	.7480	.1405	.0127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24591.	40281.	20330.
Stddev	217.	726.	395.
%RSD	.88430	1.8014	1.9420
#1	24623.	39523.	20344.
#2	24790.	40969.	20718.
#3	24359.	40352.	19929.

Sample Name: LCSS-1 B19P14 Acquired: 8/15/2011 15:41:06 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 0.100000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.43**	**7879.**	**8169.**	**102.5**	**308.8**	**88.25**	**6561.**	**101.0**	**121.9**	**93.48**	**79.53**
Stddev	.66	125.	31.	.2	1.2	.82	9.	.5	.2	.80	.41
%RSD	1.315	1.588	.3795	.2379	.3958	.9346	.1333	.5264	.1489	.8606	.5135
#1	49.69	7784.	8151.	102.8	307.9	87.69	6558.	101.6	122.2	92.55	79.06
#2	50.96	7833.	8151.	102.3	308.4	87.86	6555.	100.7	121.8	93.94	79.78
#3	50.65	8021.	8205.	102.4	310.2	89.20	6571.	100.7	121.9	93.95	79.75
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11830.**	**13210.**	**2396.**	**2735.**	**424.3**	**656.6**	**99.50**	**137.5**	**200.9**	**191.3**	**159.9**
Stddev	223.	233.	5.	5.	7.2	3.9	.26	.4	1.3	.2	.4
%RSD	1.883	1.762	.2033	.1945	1.702	.5956	.2601	.2879	.6561	.1278	.2716
#1	11570.	13100.	2390.	2740.	416.8	654.5	99.22	137.1	202.0	191.3	159.5
#2	11990.	13470.	2397.	2734.	425.0	654.1	99.55	137.6	201.2	191.5	159.9
#3	11920.	13050.	2399.	2730.	431.2	661.1	99.73	137.9	199.4	191.0	160.4
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**108.0**	**276.5**	**80.27**	**198.0**	**125.9**	**569.0**	**566.9**	**105.7**	**137.0**
Stddev	.9	.6	.21	1.8	.3	5.6	7.8	.7	.0
%RSD	.8776	.2219	.2659	.9249	.2129	.9806	1.370	.7011	.0344
#1	106.9	277.2	80.12	196.1	126.0	575.3	565.3	104.8	136.9
#2	108.6	276.3	80.18	199.8	125.5	566.4	575.4	106.2	136.9
#3	108.6	276.0	80.52	198.1	126.0	565.1	560.1	106.1	137.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25905.**	**42740.**	**22840.**
Stddev	7.	538.	120.
%RSD	.02620	1.2583	.52638
#1	25903.	43329.	22837.
#2	25899.	42614.	22722.
#3	25912.	42276.	22962.

Sample Name: LCSS-2 B19P14 Acquired: 8/15/2011 15:45:46 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 0.098040
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.01**	**7782.**	**8193.**	**106.1**	**316.0**	**90.28**	**6296.**	**103.1**	**126.4**	**95.55**	**80.90**
Stddev	.81	74.	20.	.8	1.4	.72	11.	.4	.3	1.13	.59
%RSD	1.559	.9492	.2490	.7833	.4491	.7921	.1797	.4300	.2175	1.187	.7349
#1	52.74	7862.	8204.	105.8	317.1	91.08	6289.	102.9	126.2	96.55	81.32
#2	52.15	7766.	8205.	105.4	316.4	90.06	6309.	102.8	126.3	95.79	81.17
#3	51.13	7717.	8169.	107.0	314.4	89.70	6290.	103.6	126.7	94.32	80.22
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12220.**	**13720.**	**2442.**	**2840.**	**447.2**	**666.2**	**102.7**	**140.4**	**209.9**	**194.2**	**163.8**
Stddev	243.	250.	7.	9.	9.1	2.6	.3	.5	1.6	.9	.5
%RSD	1.989	1.824	.2817	.3343	2.045	.3943	.2494	.3315	.7570	.4507	.2819
#1	12450.	13970.	2444.	2830.	447.7	669.0	102.9	140.9	209.3	195.0	164.1
#2	12250.	13710.	2449.	2848.	456.0	666.1	102.7	140.3	208.8	194.2	163.2
#3	11970.	13470.	2435.	2844.	437.7	663.7	102.4	140.0	211.7	193.3	164.0
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**109.9**	**288.1**	**82.92**	**191.9**	**129.7**	**572.1**	**582.3**	**105.6**	**142.7**
Stddev	1.5	.4	.06	1.3	.2	9.3	8.0	.8	.3
%RSD	1.375	.1405	.0737	.6914	.1307	1.625	1.375	.8047	.2210
#1	111.2	288.0	82.95	193.1	129.5	578.1	573.9	106.3	142.7
#2	110.1	287.8	82.95	192.2	129.8	576.8	583.1	105.8	143.1
#3	108.2	288.6	82.85	190.5	129.8	561.4	589.9	104.7	142.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25451.**	**42248.**	**21812.**
Stddev	196.	802.	67.
%RSD	.76883	1.8972	.30894
#1	25628.	41571.	21740.
#2	25485.	42040.	21820.
#3	25241.	43133.	21874.

Sample Name: AN03623 Acquired: 8/15/2011 15:50:29 Type: Unk
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.148	26380.	28500.	1905.	1919.	1.447	352500.	5.360	48.96	363.0
Stddev	.503	395.	225.	5.	15.	.271	12680.	.660	.62	2.2
%RSD	23.42	1.498	.7889	.2792	.7703	18.71	3.596	12.32	1.266	.6007
#1	-2.211	26590.	28280.	1899.	1902.	1.600	338600.	5.425	49.08	360.5
#2	-1.616	25930.	28730.	1908.	1930.	1.606	363500.	4.669	48.28	364.6
#3	-2.616	26630.	28490.	1907.	1924.	1.134	355500.	5.985	49.50	363.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1335.	^ *****	F 869600.	103100.	161500.	3223.	39700.	127.6	F 182900.	48.29
Stddev	6.	----	16380.	1627.	650.	33.	192.	.8	2155.	5.73
%RSD	.4251	----	1.884	1.579	.4025	1.020	.4831	.6068	1.178	11.87
#1	1328.	^ ----	854900.	101300.	160700.	3209.	39500.	127.1	181700.	54.91
#2	1337.	^ ----	887200.	104400.	161800.	3200.	39880.	128.5	181500.	45.14
#3	1339.	^ ----	866600.	103600.	161900.	3261.	39720.	127.2	185400.	44.83
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			450000.						67500.	
Low Limit			-500.0						-80.00	

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126.7	2.151	280.4	1119.	93.68	1177.	127.5	2643.	2728.	2659.
Stddev	4.3	2.077	1.4	5.	.28	3.	4.7	59.	101.	16.
%RSD	3.416	96.56	.5062	.4681	.2976	.2682	3.661	2.234	3.705	.5842
#1	124.5	1.767	279.4	1114.	93.40	1174.	132.3	2602.	2831.	2645.
#2	124.0	4.394	279.8	1118.	93.69	1180.	123.0	2711.	2722.	2657.
#3	131.7	.2929	282.0	1124.	93.96	1176.	127.1	2616.	2630.	2675.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	88.28
Stddev	.49
%RSD	.5523
#1	88.14
#2	87.87
#3	88.82
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24008.	39456.	21468.
Stddev	133.	267.	412.
%RSD	.55380	.67779	1.9175
#1	23994.	39420.	21912.
#2	24148.	39740.	21099.
#3	23883.	39209.	21393.

Sample Name: AN03623 MS Acquired: 8/15/2011 15:55:32 Type: Unk
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**211.7**	**30850.**	**33650.**	**2092.**	**2122.**	**205.1**	**354500.**	**191.7**	**237.2**	**566.7**
Stddev	2.0	338.	146.	15.	11.	.2	12290.	1.9	.6	2.5
%RSD	.9618	1.097	.4340	.7269	.5187	.1007	3.467	.9966	.2694	.4388
#1	214.0	31100.	33510.	2075.	2113.	204.8	347500.	189.6	236.6	567.1
#2	211.3	30970.	33630.	2103.	2120.	205.2	368700.	192.2	237.9	569.0
#3	210.0	30460.	33800.	2098.	2134.	205.2	347400.	193.4	237.1	564.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1539.**	^ *****	F **874200.**	**108300.**	**166300.**	**3471.**	**45080.**	**317.6**	F **184400.**	**239.4**
Stddev	8.	-----	9383.	1257.	574.	48.	131.	1.0	2441.	6.4
%RSD	.5210	-----	1.073	1.161	.3449	1.372	.2897	.3095	1.324	2.679
#1	1547.	^ -----	864900.	106900.	165700.	3416.	44940.	318.0	183400.	232.6
#2	1531.	^ -----	883700.	108600.	166400.	3502.	45110.	318.3	187100.	245.4
#3	1540.	^ -----	874000.	109300.	166800.	3495.	45200.	316.4	182600.	240.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			450000.						67500.	
Low Limit			-500.0						-80.00	

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**326.3**	**178.2**	**489.3**	**1299.**	**287.0**	**1386.**	**314.6**	**7127.**	**7265.**	**2856.**
Stddev	2.6	1.7	3.1	9.	1.8	4.	3.0	141.	92.	13.
%RSD	.7949	.9411	.6285	.7169	.6330	.2725	.9523	1.977	1.262	.4393
#1	327.5	179.8	492.7	1289.	285.2	1386.	314.5	7160.	7343.	2857.
#2	323.3	178.2	488.5	1306.	288.8	1389.	311.6	6973.	7164.	2868.
#3	328.1	176.5	486.7	1304.	287.0	1382.	317.6	7248.	7287.	2843.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**273.3**
Stddev	2.0
%RSD	.7367
#1	271.9
#2	275.6
#3	272.5
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24134.**	**39264.**	**21482.**
Stddev	256.	477.	404.
%RSD	1.0625	1.2137	1.8789
#1	24332.	39239.	21847.
#2	23844.	38800.	21048.
#3	24225.	39752.	21551.

Sample Name: AN03623 SDL Acquired: 8/15/2011 16:00:31 Type: Unk
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 5.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**196.5**	**32100.**	**31960.**	**1963.**	**2023.**	**197.1**	**352500.**	**191.3**	**237.6**	**561.7**
Stddev	4.7	169.	127.	10.	8.	1.6	1693.	.6	1.4	2.4
%RSD	2.368	.5256	.3967	.5027	.3968	.8094	.4803	.3364	.5934	.4206
#1	196.6	32040.	31920.	1962.	2028.	198.3	352900.	191.8	237.6	563.9
#2	201.1	32290.	31850.	1954.	2014.	197.8	350700.	190.6	236.1	559.2
#3	191.8	31960.	32100.	1974.	2027.	195.3	354000.	191.6	238.9	562.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1475.**	**F 813200.**	**F 903000.**	**100800.**	**165600.**	**3447.**	**42730.**	**304.2**	**F 197800.**	**222.6**
Stddev	3.	7579.	12110.	743.	373.	14.	69.	3.0	151.	34.4
%RSD	.1709	.9320	1.341	.7374	.2254	.4201	.1623	.9935	.0762	15.47
#1	1475.	806400.	913500.	100400.	166000.	3447.	42810.	301.7	197900.	205.3
#2	1477.	821400.	889700.	100400.	165500.	3462.	42680.	307.6	197800.	262.2
#3	1472.	811800.	905700.	101700.	165300.	3433.	42710.	303.5	197600.	200.2
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		76500.	450000.						67500.	
Low Limit		-500.0	-500.0						-80.00	

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**305.6**	**185.7**	**473.9**	**1361.**	**277.4**	**1362.**	**294.2**	**8232.**	**8309.**	**2854.**
Stddev	4.4	11.4	3.2	4.	1.3	4.	8.1	262.	64.	10.
%RSD	1.424	6.161	.6709	.2925	.4820	.3294	2.738	3.186	.7677	.3557
#1	300.7	193.9	472.4	1364.	276.0	1357.	303.0	8509.	8255.	2856.
#2	308.9	172.6	477.6	1356.	277.8	1363.	287.3	7988.	8292.	2863.
#3	307.3	190.5	471.8	1363.	278.6	1365.	292.3	8199.	8379.	2843.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**271.8**
Stddev	8.1
%RSD	2.970
#1	280.7
#2	264.9
#3	269.8
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25262.**	**40972.**	**21118.**
Stddev	64.	451.	78.
%RSD	.25461	1.1007	.37022
#1	25188.	41391.	21035.
#2	25295.	40495.	21190.
#3	25303.	41029.	21129.

Sample Name: AN03624 Acquired: 8/15/2011 16:05:05 Type: Unk
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.278**	**17530.**	**18850.**	**72.25**	**2361.**	**1.504**	**307400.**	**5.094**	**32.74**	**94.61**
Stddev	.603	199.	132.	1.26	17.	.276	5809.	.190	.26	.36
%RSD	18.41	1.135	.7006	1.748	.7146	18.31	1.890	3.729	.7854	.3758
#1	2.584	17730.	19000.	71.15	2381.	1.723	300800.	4.979	32.64	94.34
#2	3.569	17330.	18780.	73.63	2351.	1.195	311900.	4.989	32.55	94.48
#3	3.680	17520.	18760.	71.97	2352.	1.595	309500.	5.313	33.04	95.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**477.4**	**F 138800.**	**157600.**	**4377.**	**78720.**	**14800.**	**41300.**	**80.29**	**F 249500.**	**12.85**
Stddev	2.5	2368.	3725.	152.	120.	95.	28.	.42	1839.	4.30
%RSD	.5140	1.707	2.364	3.468	.1530	.6405	.0687	.5174	.7373	33.46
#1	477.7	136100.	153800.	4552.	78590.	14730.	41280.	79.81	248500.	13.07
#2	479.7	139500.	161200.	4295.	78820.	14770.	41290.	80.56	248300.	8.443
#3	474.8	140700.	157700.	4284.	78760.	14910.	41330.	80.50	251600.	17.03
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		76500.							67500.	
Low Limit		-500.0							-80.00	

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17.16**	**-12.02**	**124.0**	**574.4**	**20.09**	**1847.**	**116.0**	**4670.**	**4615.**	**1118.**
Stddev	1.97	1.07	.8	2.1	.21	7.	.8	84.	59.	2.
%RSD	11.48	8.917	.6834	.3687	1.022	.3844	.6784	1.807	1.275	.1655
#1	18.94	-11.18	124.6	576.2	20.30	1853.	115.2	4630.	4643.	1116.
#2	15.04	-13.23	124.3	572.1	19.89	1849.	116.0	4767.	4548.	1119.
#3	17.49	-11.66	123.0	574.9	20.09	1840.	116.8	4614.	4655.	1119.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**188.1**
Stddev	.6
%RSD	.3275
#1	187.6
#2	188.8
#3	187.9
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25105.**	**41591.**	**21155.**
Stddev	60.	33.	311.
%RSD	.23938	.07917	1.4696
#1	25060.	41579.	21477.
#2	25082.	41567.	20856.
#3	25173.	41629.	21132.

Sample Name: AN03625 Acquired: 8/15/2011 16:10:17 Type: Unk
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0843**	**41420.**	**43370.**	**76.87**	**454.1**	**1.434**	**267600.**	**1.367**	**39.25**	**226.0**	**283.5**
Stddev	.9174	274.	137.	2.22	1.5	.281	3668.	.216	.06	3.1	2.3
%RSD	1089.	.6604	.3161	2.887	.3349	19.57	1.371	15.76	.1449	1.367	.8134
#1	.5204	41580.	43520.	74.67	455.7	1.738	265400.	1.346	39.25	226.9	283.3
#2	.3667	41580.	43260.	79.11	453.8	1.185	271800.	1.163	39.31	228.6	285.9
#3	-1.140	41100.	43330.	76.84	452.7	1.379	265400.	1.593	39.20	222.6	281.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **86860.**	**92640.**	**9698.**	**157900.**	**2536.**	**16180.**	**117.4**	**27730.**	**-.2747**	**7.960**	**-1.662**
Stddev	1240.	318.	89.	651.	25.	54.	.3	35.	4.381	.473	.611
%RSD	1.427	.3434	.9147	.4121	.9960	.3333	.2707	.1270	1595.	5.941	36.79
#1	86620.	92430.	9786.	158600.	2565.	16180.	117.6	27710.	2.280	7.467	-2.335
#2	88200.	93010.	9609.	158000.	2523.	16230.	117.5	27710.	-5.333	8.003	-1.509
#3	85750.	92500.	9697.	157300.	2520.	16130.	117.0	27770.	2.229	8.410	-1.141
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	76500.										
Low Limit	-500.0										

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**128.0**	**707.6**	**12.76**	**1114.**	**36.45**	**3034.**	**3004.**	**381.6**	**90.77**
Stddev	1.6	3.3	.22	5.	.49	8.	120.	2.9	1.36
%RSD	1.272	.4612	1.729	.4646	1.347	.2574	3.980	.7580	1.497
#1	127.9	708.0	13.01	1111.	36.84	3028.	3080.	380.5	91.99
#2	129.7	704.2	12.62	1120.	36.61	3043.	3066.	384.9	89.31
#3	126.4	710.7	12.64	1110.	35.90	3031.	2866.	379.4	91.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25023.**	**40807.**	**21481.**
Stddev	47.	369.	171.
%RSD	.18817	.90365	.79372
#1	25055.	40694.	21615.
#2	24969.	40508.	21289.
#3	25044.	41219.	21539.

Sample Name: AN03623 X10 Acquired: 8/15/2011 16:15:11 Type: Unk
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1829**	**2806.**	**2741.**	**185.7**	**190.8**	**-.1929**	**35760.**	**-.1800**	**4.877**	**37.95**	**132.9**
Stddev	.2814	9.	15.	3.6	1.7	.1974	304.	.0133	.470	.61	.8
%RSD	153.9	.3082	.5337	1.954	.8751	102.3	.8508	7.403	9.636	1.615	.5972
#1	-.1401	2815.	2758.	186.4	192.7	-.0220	36110.	-.1943	5.091	37.29	133.0
#2	.3134	2798.	2733.	181.7	189.4	-.4091	35580.	-.1678	5.201	38.50	133.7
#3	.3753	2805.	2733.	188.9	190.2	-.1477	35590.	-.1781	4.338	38.05	132.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **89780.**	**95400.**	**9986.**	**16560.**	**334.4**	**3822.**	**11.78**	**20350.**	**-1.193**	**10.60**	**.3555**
Stddev	1196.	424.	170.	7.	1.8	14.	.16	14.	4.133	4.34	1.663
%RSD	1.332	.4449	1.697	.0451	.5382	.3564	1.319	.0688	346.5	40.91	467.7
#1	88620.	94990.	10180.	16570.	333.6	3837.	11.64	20370.	-3.877	15.29	2.246
#2	89710.	95390.	9906.	16560.	333.1	3815.	11.95	20340.	-3.267	9.761	-.8813
#3	91000.	95840.	9871.	16550.	336.4	3813.	11.75	20340.	3.566	6.738	-.2978
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	76500.										
Low Limit	-500.0										

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28.36**	**121.6**	**8.524**	**117.2**	**10.23**	**242.6**	**248.8**	**275.8**	**8.827**
Stddev	.05	.3	.136	.6	1.47	4.8	16.4	.4	1.727
%RSD	.1664	.2308	1.596	.4743	14.34	1.978	6.583	.1277	19.57
#1	28.40	121.7	8.524	117.8	11.74	245.5	258.4	275.5	10.31
#2	28.37	121.8	8.388	116.7	8.812	245.2	229.9	275.8	9.236
#3	28.31	121.3	8.661	117.1	10.14	237.0	258.2	276.2	6.932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25290.**	**40813.**	**21402.**
Stddev	198.	462.	144.
%RSD	.78200	1.1327	.67441
#1	25179.	40968.	21245.
#2	25518.	41178.	21529.
#3	25172.	40293.	21430.

Sample Name: AN03624 X10 Acquired: 8/15/2011 16:19:39 Type: Unk
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2755**	**1823.**	**1787.**	**5.392**	**235.0**	**.0463**	**31400.**	**.0942**	**3.375**	**9.938**	**47.22**
Stddev	.3077	12.	14.	1.997	.3	.0245	124.	.0317	.194	.130	1.00
%RSD	111.7	.6440	.7732	37.03	.1488	52.94	.3940	33.62	5.740	1.311	2.114
#1	.6023	1810.	1783.	7.685	235.2	.0264	31540.	.1296	3.208	9.909	48.06
#2	.2329	1827.	1776.	4.037	234.6	.0737	31350.	.0686	3.587	9.826	47.49
#3	-.0086	1832.	1803.	4.455	235.2	.0389	31300.	.0844	3.331	10.08	46.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16440.**	**16290.**	**388.1**	**8021.**	**1626.**	**3997.**	**8.124**	**27560.**	**-4.935**	**1.409**	**-1.992**
Stddev	303.	35.	79.0	20.	11.	27.	.210	58.	5.496	3.951	.406
%RSD	1.840	.2131	20.34	.2490	.6778	.6688	2.590	.2110	111.4	280.4	20.36
#1	16130.	16320.	441.9	8022.	1617.	4009.	7.943	27550.	-6.097	5.280	-1.928
#2	16470.	16250.	297.4	8040.	1622.	3966.	8.355	27620.	-9.758	-2.617	-1.622
#3	16730.	16310.	424.8	8001.	1638.	4015.	8.074	27500.	1.049	1.563	-2.426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.23**	**61.84**	**1.050**	**183.1**	**7.644**	**420.1**	**395.9**	**117.0**	**19.31**
Stddev	.02	.31	.451	.5	1.956	6.4	9.6	.1	.70
%RSD	.1576	.5009	42.97	.2461	25.59	1.527	2.419	.0726	3.651
#1	12.21	61.83	1.099	183.5	5.608	412.7	392.4	116.9	19.96
#2	12.25	62.16	.5760	183.3	7.815	423.6	388.6	117.0	19.40
#3	12.24	61.54	1.474	182.6	9.508	424.1	406.7	117.1	18.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25711.**	**42346.**	**20184.**
Stddev	22.	398.	160.
%RSD	.08510	.93970	.79180
#1	25687.	42595.	20286.
#2	25716.	42556.	20266.
#3	25730.	41887.	20000.

Sample Name: CCV Acquired: 8/15/2011 16:24:07 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**196.5**	**4892.**	**4825.**	**193.2**	**197.3**	**188.2**	**5079.**	**202.2**	**191.9**	**212.4**	**203.7**
Stddev	2.2	50.	42.	4.4	.8	2.0	19.	1.1	.5	2.0	1.3
%RSD	1.097	1.017	.8630	2.278	.4131	1.060	.3674	.5279	.2748	.9437	.6282
#1	198.9	4943.	4851.	198.2	197.9	187.0	5101.	201.1	191.3	214.2	204.8
#2	195.7	4889.	4847.	191.6	197.6	190.5	5069.	202.5	192.2	212.6	204.2
#3	194.9	4844.	4777.	189.9	196.3	187.1	5069.	203.2	192.3	210.3	202.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5248.**	**5044.**	**5036.**	**5148.**	**209.9**	**4946.**	**196.0**	**207.0**	**188.3**	**193.0**	**197.6**
Stddev	64.	22.	146.	6.	2.0	22.	.7	2.0	6.5	2.8	.7
%RSD	1.212	.4440	2.898	.1211	.9448	.4538	.3479	.9583	3.466	1.454	.3625
#1	5301.	5037.	5103.	5153.	211.3	4942.	195.2	207.5	193.1	191.6	198.4
#2	5267.	5069.	5137.	5141.	210.7	4970.	196.5	208.6	180.8	196.3	197.0
#3	5178.	5026.	4869.	5148.	207.6	4925.	196.3	204.8	190.8	191.2	197.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.0**	**203.0**	**194.0**	**198.5**	**190.4**	**5026.**	**5027.**	**207.2**	**200.9**
Stddev	2.0	1.0	.2	.9	1.4	39.	18.	1.9	.5
%RSD	.9765	.5014	.0966	.4576	.7607	.7730	.3498	.9152	.2261
#1	203.2	202.6	194.2	199.2	192.0	5069.	5027.	207.7	200.4
#2	200.5	202.2	193.8	198.8	189.2	5016.	5044.	208.9	201.3
#3	199.4	204.1	193.9	197.4	190.1	4993.	5009.	205.2	201.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25989.**	**41391.**	**19593.**
Stddev	215.	791.	227.
%RSD	.82837	1.9117	1.1589
#1	25753.	40910.	19545.
#2	26038.	40959.	19393.
#3	26175.	42304.	19840.

Sample Name: CCB Acquired: 8/15/2011 16:28:21 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7319**	**-9.690**	**-23.36**	**-2.734**	**.7522**	**.0061**	**-9.997**	**-.2365**	**.0625**	**.2112**	**.3530**
Stddev	.0542	.689	24.42	5.911	.5010	.2374	2.121	.0206	.4677	.5140	.3024
%RSD	7.401	7.115	104.6	216.2	66.60	3891.	21.22	8.725	747.7	243.4	85.68
#1	-.7729	-9.077	-24.07	-6.287	.2889	.1328	-8.340	-.2328	-.2226	.3212	.5017
#2	-.7524	-9.556	1.412	4.090	.6840	-.2678	-12.39	-.2179	.6023	.6612	.5523
#3	-.6705	-10.44	-47.42	-6.004	1.284	.1533	-9.264	-.2587	-.1920	-.3489	.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.447**	**-4.357**	**7.805**	**-20.64**	**-.4519**	**-133.2**	**-.0511**	**.3540**	**-4.870**	**1.571**	**-1.047**
Stddev	.605	3.183	14.28	44.90	.0691	15.9	.8031	1.744	.333	1.412	.973
%RSD	11.11	73.06	182.9	217.5	15.29	11.91	1572.	492.8	6.835	89.91	92.92
#1	-5.059	-7.724	4.467	-17.42	-.5269	-121.6	.8646	2.315	-4.534	.0640	-1.032
#2	-5.139	-1.397	-4.507	-67.07	-.3908	-151.3	-.3818	-1.024	-4.876	1.784	-2.027
#3	-6.145	-3.951	23.45	22.56	-.4379	-126.8	-.6360	-.2293	-5.200	2.864	-.0816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2264**	**-.4637**	**-.8082**	**-.0995**	**-3.720**	**-11.87**	**6.345**	**.4658**	**-.2785**
Stddev	.3181	.0642	.1698	.1019	1.591	2.30	11.11	.6266	.8883
%RSD	140.5	13.84	21.01	102.3	42.78	19.41	175.1	134.5	318.9
#1	-.1738	-.4375	-.9886	-.0178	-4.019	-13.39	18.30	-.2481	-.2393
#2	-.5675	-.4168	-.6514	-.2137	-5.140	-13.01	4.413	.9250	-1.186
#3	.0622	-.5369	-.7847	-.0672	-2.000	-9.222	-3.674	.7204	.5895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25722.**	**41743.**	**20024.**
Stddev	323.	649.	165.
%RSD	1.2544	1.5559	.82172
#1	25826.	41607.	19914.
#2	25360.	42450.	19945.
#3	25980.	41173.	20213.

Sample Name: CCV Acquired: 8/15/2011 16:32:44 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.9**	**4958.**	**4835.**	**190.0**	**198.5**	**189.0**	**5104.**	**200.8**	**191.0**	**214.4**	**203.2**
Stddev	.2	36.	35.	4.8	1.5	.7	28.	1.5	.6	1.0	1.1
%RSD	.0957	.7248	.7242	2.548	.7423	.3944	.5432	.7312	.3402	.4618	.5613
#1	198.8	4931.	4804.	190.4	196.8	188.2	5072.	199.9	190.4	213.7	202.8
#2	199.1	4999.	4873.	185.0	199.4	189.6	5115.	202.5	191.7	215.5	204.5
#3	198.7	4944.	4828.	194.6	199.3	189.3	5124.	200.0	190.9	213.9	202.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5358.**	**5081.**	**5096.**	**5117.**	**213.4**	**4913.**	**196.7**	**207.1**	**182.1**	**197.2**	**196.5**
Stddev	14.	34.	88.	39.	.1	12.	1.1	2.1	2.4	.9	2.1
%RSD	.2648	.6716	1.731	.7697	.0583	.2528	.5703	1.022	1.323	.4532	1.064
#1	5373.	5041.	4994.	5074.	213.5	4899.	197.8	208.3	184.9	198.0	194.5
#2	5344.	5102.	5153.	5151.	213.3	4917.	196.9	208.3	180.9	196.2	196.2
#3	5357.	5099.	5141.	5125.	213.3	4922.	195.5	204.7	180.5	197.4	198.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.6**	**202.3**	**194.1**	**200.2**	**188.3**	**5037.**	**5047.**	**209.4**	**201.7**
Stddev	.3	1.3	.8	.7	.8	21.	29.	.8	.9
%RSD	.1468	.6213	.4249	.3291	.4029	.4116	.5742	.3929	.4422
#1	203.3	201.9	193.3	200.3	189.2	5022.	5013.	208.6	200.7
#2	203.9	203.7	194.0	199.5	188.0	5061.	5062.	209.3	201.8
#3	203.7	201.3	195.0	200.8	187.7	5028.	5065.	210.3	202.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25860.**	**41009.**	**19579.**
Stddev	397.	306.	266.
%RSD	1.5333	.74595	1.3597
#1	26289.	41080.	19879.
#2	25507.	40674.	19486.
#3	25785.	41273.	19372.

Sample Name: CCB Acquired: 8/15/2011 16:36:56 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4224	-9.140	2.027	.8867	.7423	-.3270	-11.18	-.2142	-.0050	-.0277	.0788
Stddev	.0961	.502	6.004	3.134	.3016	.1249	5.74	.1012	.1222	.2651	.7861
%RSD	22.74	5.492	296.2	353.4	40.63	38.20	51.33	47.26	2436.	956.6	997.6
#1	-.5038	-9.414	6.089	-.1083	.6342	-.3546	-8.421	-.2310	-.1430	-.3335	.8035
#2	-.3164	-8.560	4.861	4.397	1.083	-.1906	-7.345	-.3059	.0897	.1378	-.7570
#3	-.4469	-9.445	-4.869	-1.629	.5096	-.4358	-17.78	-.1056	.0382	.1126	.1899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.194	-6.966	-29.28	-10.02	-.4524	-161.5	.1197	-.1326	-2.398	.7871	-1.129
Stddev	.371	1.369	71.75	7.05	.0476	15.5	.3142	1.186	4.520	1.851	.659
%RSD	5.996	19.65	245.1	70.30	10.52	9.581	262.5	894.7	188.5	235.2	58.41
#1	-6.332	-7.273	-74.01	-9.285	-.4683	-145.1	-.1613	-1.450	-2.759	-.2454	-1.083
#2	-6.476	-5.471	53.48	-3.377	-.3989	-163.5	.4589	.8515	-6.726	2.924	-.4941
#3	-5.773	-8.156	-67.29	-17.41	-.4900	-175.9	.0615	.2008	2.292	-.3172	-1.811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2524	-.3806	-.4875	-.1317	-4.447	-10.02	.5224	.0398	-.5771
Stddev	.2696	.1259	.5201	.3750	.717	2.69	10.03	.2960	.4689
%RSD	106.8	33.07	106.7	284.8	16.12	26.82	1921.	742.7	81.25
#1	-.5509	-.2448	-.2006	.0810	-5.077	-12.84	-.3325	.0303	-.8849
#2	-.1796	-.4932	-.1740	-.5646	-4.598	-9.743	-9.057	.3404	-.8089
#3	-.0267	-.4039	-1.088	.0886	-3.667	-7.482	10.96	-.2512	-.0375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25875.	41155.	19196.
Stddev	206.	577.	328.
%RSD	.79577	1.4025	1.7107
#1	25984.	41665.	18945.
#2	25637.	40528.	19074.
#3	26003.	41273.	19567.

Sample Name: RL Acquired: 8/15/2011 16:41:21 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.080**	**103.4**	**85.56**	**7.400**	**98.66**	**2.630**	**498.6**	**2.921**	**19.72**	**5.303**	**10.73**
Stddev	.425	1.2	18.87	1.804	.51	.369	5.8	.120	.17	.276	.44
%RSD	8.370	1.194	22.05	24.37	.5201	14.04	1.161	4.099	.8717	5.202	4.148
#1	5.431	102.5	74.73	9.461	98.81	2.209	504.9	3.014	19.85	5.542	10.22
#2	5.203	102.8	74.60	6.112	99.08	2.897	497.2	2.962	19.53	5.366	10.89
#3	4.607	104.8	107.3	6.627	98.09	2.785	493.6	2.786	19.79	5.001	11.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47.28**	**42.78**	**476.3**	**510.0**	**5.013**	**843.1**	**20.36**	**7.241**	**15.09**	**18.59**	**18.59**
Stddev	1.21	2.90	44.9	29.4	.086	11.2	.28	1.269	2.56	1.09	1.63
%RSD	2.549	6.791	9.420	5.756	1.713	1.330	1.359	17.53	16.94	5.844	8.751
#1	46.00	44.55	522.8	513.0	4.926	830.2	20.55	5.776	13.70	18.25	20.46
#2	47.45	39.43	433.3	479.3	5.098	849.0	20.04	7.943	18.04	19.80	17.78
#3	48.39	44.37	472.8	537.8	5.016	850.2	20.48	8.004	13.53	17.71	17.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.84**	**23.04**	**9.250**	**10.08**	F **4.164**	**494.7**	**506.4**	**10.29**	**9.658**
Stddev	.43	.34	.249	.55	.213	1.1	18.2	.68	.121
%RSD	2.160	1.471	2.694	5.457	5.107	.2242	3.597	6.558	1.248
#1	20.30	23.43	9.085	9.495	4.376	494.5	522.7	9.716	9.595
#2	19.45	22.89	9.536	10.15	3.951	495.8	509.7	10.13	9.582
#3	19.77	22.81	9.128	10.59	4.163	493.6	486.7	11.04	9.797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					10.00				
Range					-30.00%				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	26007.	41684.	19469.
Stddev	56.	505.	455.
%RSD	.21432	1.2120	2.3356
#1	26032.	42267.	19002.
#2	25943.	41411.	19910.
#3	26045.	41374.	19494.

Sample Name: 2RL Acquired: 8/15/2011 16:45:44 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.24**	**209.6**	**198.1**	**18.98**	**198.1**	**5.759**	**1015.**	**6.138**	**39.82**	**11.52**	**21.66**
Stddev	.52	1.6	1.1	.42	4.4	.194	23.	.066	.25	.49	.24
%RSD	5.125	.7521	.5391	2.240	2.234	3.360	2.223	1.076	.6378	4.257	1.092
#1	10.51	210.3	196.9	18.52	193.2	5.579	991.8	6.113	39.55	11.54	21.51
#2	10.58	210.7	198.4	19.04	201.8	5.964	1037.	6.089	40.06	11.99	21.93
#3	9.637	207.8	199.0	19.36	199.5	5.735	1018.	6.214	39.84	11.01	21.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**106.7**	**93.35**	**1049.**	**1016.**	**10.72**	**1858.**	**39.56**	**19.62**	**33.72**	**38.39**	**38.42**
Stddev	.7	4.92	43.	23.	.11	41.	.19	.81	2.18	.58	2.21
%RSD	.6987	5.273	4.101	2.259	1.041	2.229	.4749	4.125	6.469	1.513	5.751
#1	106.9	88.38	999.6	991.1	10.73	1811.	39.42	18.72	31.88	38.94	36.03
#2	107.3	98.22	1067.	1036.	10.82	1870.	39.78	20.27	33.15	37.78	40.39
#3	105.9	93.45	1079.	1021.	10.60	1891.	39.48	19.88	36.13	38.44	38.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.55**	**46.48**	**19.15**	**20.47**	**14.50**	**1025.**	**1005.**	**21.08**	**21.48**
Stddev	.44	.06	.52	.33	.81	4.	23.	.59	1.26
%RSD	1.085	.1234	2.695	1.629	5.606	.4147	2.274	2.811	5.853
#1	41.05	46.52	18.71	20.41	13.89	1023.	993.4	20.52	21.14
#2	40.25	46.42	19.03	20.83	15.42	1029.	1032.	21.02	22.88
#3	40.33	46.52	19.72	20.17	14.18	1021.	990.9	21.70	20.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25589.**	**40132.**	**18592.**
Stddev	201.	356.	558.
%RSD	.78523	.88609	2.9994
#1	25693.	39722.	19203.
#2	25358.	40330.	18110.
#3	25718.	40345.	18464.

Sample Name: IOS Acquired: 8/15/2011 16:50:07 Type: QC
Method: PROMIUM(v19) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.598	^F *****	304400.	.0016	1.115	.0573	291000.	-.8452	-1.163	1.334	4.977
Stddev	.801	-----	1288.	3.870	.493	.2497	3863.	.4748	.540	.474	.288
%RSD	50.12	-----	.4232	242000.	44.23	435.8	1.328	56.18	46.39	35.52	5.790
#1	-2.080	^ -----	305500.	-4.234	1.610	.2827	292300.	-1.335	-.7221	.9911	5.202
#2	-.6733	^ -----	304600.	3.352	.6239	-.2111	286600.	-.8126	-1.765	1.136	5.077
#3	-2.039	^ -----	303000.	.8867	1.111	.1003	294000.	-.3875	-1.003	1.874	4.652
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	298100.	-51.19	298300.	-.6194	297700.	.7370	7.948	-2.176	9.026	-.2997
Stddev	-----	8577.	137.0	1295.	.0726	6206.	.8357	3.676	3.024	2.624	.4795
%RSD	-----	2.877	267.7	.4340	11.72	2.085	113.4	46.26	139.0	29.08	160.0
#1	^ -----	308000.	106.5	299600.	-.7033	302800.	1.669	3.747	-5.661	7.030	.0650
#2	^ -----	293000.	-140.9	298300.	-.5770	290800.	.0545	10.58	-.6207	8.049	-.1212
#3	^ -----	293400.	-119.2	297000.	-.5781	299500.	.4876	9.516	-.2453	12.00	-.8429
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.069	2.045	-2.723	1.331	-6.354	-21.08	7.702	1.794	.6780
Stddev	.860	.036	.857	.202	.756	2.81	38.65	.515	1.407
%RSD	80.43	1.768	31.46	15.18	11.90	13.35	501.8	28.72	207.5
#1	-1.304	2.005	-3.080	1.098	-5.677	-21.00	5.347	1.982	2.266
#2	-.1161	2.056	-3.343	1.446	-6.215	-18.31	-29.72	1.211	.1806
#3	-1.787	2.075	-1.745	1.450	-7.170	-23.93	47.48	2.188	-.4125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23640.	37413.	17935.
Stddev	49.	71.	355.
%RSD	.20550	.19063	1.9787
#1	23584.	37331.	17630.
#2	23665.	37463.	18325.
#3	23671.	37445.	17852.

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Lead Project No. 11070033

Date(s) of Sample Analysis: 8/17/11 Date(s) of Sample Prep. 8/12/11

Preparer(s): R. Recto Analyst(s): R. Recto

(Circle) Matrix: (Aqueous) Solid Sludge Oil Other _____

PREPARATION: EPA-SOP-C-116 ANALYSIS: EPA-SOP-C-109 Instrument: ICAP 6300 Duo (Serial # : 20074301)

I. INSTRUMENT SPECIFIC QC: [Element(s) of interest: As & Pb]	YES	No	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD (sr) of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?	✓		
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		
II. DIGESTION BATCH QC: (for the element of interest stated above)			
A. Prep Blank < Reporting Limit for all elements of interest?	✓		
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)	✓		
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?	✓		
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?	✓		
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?	✓		
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project ?			✓
G. For samples with results > Reporting Limit, was the % RSD (sr) < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)		✓	
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: R. Recto Date: 8/23/11

Peer Review: [illegible] Date: 10/10/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: JEWETT WHITE LEAD

Project # 11070033

Fifteen (15) aqueous samples (AN03594 – 3608) were re-analyzed for As and Pb metals by ICP-AES on 08/17/11.

Reported results:

2X dilution → As, Pb → AN03595 to AN03608

1X → As, Pb → AN03594

Note: Samples were loaded with Na & K and can't be run continuously (the salts accumulation as demonstrated during the original analysis on 08/14/11 will cause QC failures for both As and Pb, hence after AN03594 succeeding samples were at least diluted 2X for this re-analysis.

ICAP 6300 QC ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	17 Aug 2011			ug/L	17 Aug 2011	
		18:16:40				18:21:17	
Ag3280	200	199.5	99.8	PASS	5	-0.5104	PASS
Al3082A	5000	4938	98.8	PASS	100	-4.189	PASS
Al3082R	5000	4916	98.3	PASS	100	-19.07	PASS
As1890	200	198.3	99.2	PASS	8	1.633	PASS
Ba4554R	200	199.4	99.7	PASS	100	0.6812	PASS
Be3131R	200	197.3	98.7	PASS	3	0.2966	PASS
Ca3179R	5000	5045	100.9	PASS	500	-7.819	PASS
Cd2265	200	196.9	98.5	PASS	3	0.0449	PASS
Co2286	200	193.2	96.6	PASS	20	0.299	PASS
Cr2677	200	208.6	104.3	PASS	5	-0.6455	PASS
Cu3247	200	210.8	105.4	PASS	5	1.257	PASS
Fe2599A	5000	5144	102.9	PASS	50	-6.039	PASS
Fe2599R	5000	5087	101.7	PASS	50	3.74	PASS
K_7664R	5000	5066	101.3	PASS	500	-52.15	PASS
Mg2790R	5000	4997	99.9	PASS	500	15.81	PASS
Mn2576	200	207.4	103.7	PASS	5	0.1679	PASS
Na5895R	5000	5024	100.5	PASS	1000	-77.62	PASS
Ni2316	200	196.4	98.2	PASS	20	-0.3726	PASS
Pb2203	200	196.6	98.3	PASS	8	0.8664	PASS
Sb2068	200	200.4	100.2	PASS	20	3.976	PASS
Se1960	200	195.7	97.9	PASS	20	-0.3865	PASS
Tl1908	200	198.9	99.5	PASS	20	1.946	PASS
V_2924	200	198.5	99.3	PASS	20	-0.2037	PASS
Zn2062	200	193.9	97.0	PASS	20	-0.021	PASS
Mo2020	200	197.6	98.8	PASS	10	0.1781	PASS
Ti3372	200	201.9	101.0	PASS	10	-0.1187	PASS
B_2089	200	213.1	106.6	PASS	10	4.193	PASS
Si2881A	5000	5059	101.2	PASS	500	1.823	PASS
Si2881R	5000	5031	100.6	PASS	500	3.661	PASS
Sr3464	200	202.5	101.3	PASS	10	-0.0428	PASS
Sn1899	200	198.5	99.3	PASS	10	1.093	PASS

ICAP 6300 QC RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG
	ug/L	ug/L	ug/L	17 Aug 2011			17 Aug 2011		
				18:26:02			21:12:14		
Ag3280	5	3.5	6.5	5.578	111.6	PASS	4.402	88.0	PASS
Al3082A	100	70.0	130	107.8	107.8	PASS	111.4	111.4	PASS
Al3082R	100	70.0	130	96.51	96.5	PASS	81.57	81.6	PASS
As1890	8	5.6	10.4	9.922	124.0	PASS	8.485	106.1	PASS
Ba4554R	100	70.0	130	99.75	99.8	PASS	101.9	101.9	PASS
Be3131R	3	2.1	3.9	2.972	99.1	PASS	2.98	99.3	PASS
Ca3179R	500	350	650	501.5	100.3	PASS	487.2	97.4	PASS
Cd2265	3	2.1	3.9	2.918	97.3	PASS	2.899	96.6	PASS
Co2286	20	14.0	26.0	20.03	100.2	PASS	19.66	98.3	PASS
Cr2677	5	3.5	6.5	5.407	108.1	PASS	4.786	95.7	PASS
Cu3247	10	7.0	13.0	11.34	113.4	PASS	11.63	116.3	PASS
Fe2599A	50	35.0	65.0	47.94	95.9	PASS	48.04	96.1	PASS
Fe2599R	50	35.0	65.0	47.63	95.3	PASS	49.22	98.4	PASS
K_7664R	500	350	650	449.2	89.8	PASS	598	119.6	PASS
Mg2790R	500	350	650	495.7	99.1	PASS	491.7	98.3	PASS
Mn2576	5	3.5	6.5	5.615	112.3	PASS	5.49	109.8	PASS
Na5895R	1000	700	1300	918.5	91.9	PASS	F 4154.	#VALUE!	#VALUE!
Ni2316	20	14.0	26.0	19.36	96.8	PASS	19.82	99.1	PASS
Pb2203	8	5.6	10.4	7.961	99.5	PASS	9.518	119.0	PASS
Sb2068	20	14.0	26.0	21.84	109.2	PASS	23.6	118.0	PASS
Se1960	20	14.0	26.0	19.73	98.7	PASS	20.35	101.8	PASS
Tl1908	20	14.0	26.0	18.96	94.8	PASS	17.7	88.5	PASS
V_2924	20	14.0	26.0	19.65	98.3	PASS	19.55	97.8	PASS
Zn2062	20	14.0	26.0	22.12	110.6	PASS	22.23	111.2	PASS
Mo2020	10	7.0	13.0	10.73	107.3	PASS	10.09	100.9	PASS
Ti3372	10	7.0	13.0	10.18	101.8	PASS	10.13	101.3	PASS
B_2089	10	7.0	13.0	12.42	124.2	PASS	8.256	82.6	PASS
Si2881A	500	350	650	514	102.8	PASS	516.1	103.2	PASS
Si2881R	500	350	650	538	107.6	PASS	511	102.2	PASS
Sr3464	10	7.0	13.0	10.1	101.0	PASS	9.153	91.5	PASS
Sn1899	10	7.0	13.0	11.29	112.9	PASS	11.16	111.6	PASS

ICAP 6300 QC 2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	17 Aug 2011			17 Aug 2011		
				18:30:45			21:16:58		
Ag3280	10	7.0	13.0	10.34	103.4	PASS	9.359	93.6	PASS
Al3082A	200	140	260	208.4	104.2	PASS	215.6	107.8	PASS
Al3082R	200	140	260	190.7	95.4	PASS	213.6	106.8	PASS
As1890	16	11.2	20.8	17.14	107.1	PASS	13.77	86.1	PASS
Ba4554R	200	140	260	199.2	99.6	PASS	203.3	101.7	PASS
Be3131R	6	4.2	7.8	6.342	105.7	PASS	5.78	96.3	PASS
Ca3179R	1000	700	1300	1002	100.2	PASS	996	99.6	PASS
Cd2265	6	4.2	7.8	5.99	99.8	PASS	6.045	100.8	PASS
Co2286	40	28.0	52.0	39.51	98.8	PASS	39.82	99.6	PASS
Cr2677	10	7.0	13.0	10.6	106.0	PASS	10.68	106.8	PASS
Cu3247	20	16.0	24	22.65	113.3	PASS	22.57	112.9	PASS
Fe2599A	100	70.0	130	102.1	102.1	PASS	104.4	104.4	PASS
Fe2599R	100	70.0	130	101.1	101.1	PASS	102	102.0	PASS
K_7664R	1000	700	1300	921.6	92.2	PASS	1076	107.6	PASS
Mg2790R	1000	700	1300	1024	102.4	PASS	980.9	98.1	PASS
Mn2576	10	7.0	13.0	10.83	108.3	PASS	10.89	108.9	PASS
Na5895R	2000	1400	2600	1917	95.9	PASS	F 5012.	#VALUE!	#VALUE!
Ni2316	40	28.0	52.0	39.72	99.3	PASS	39.69	99.2	PASS
Pb2203	16	11.2	20.8	16.45	102.8	PASS	19.41	121.3	PASS
Sb2068	40	28.0	52.0	43.38	108.5	PASS	41.75	104.4	PASS
Se1960	40	28.0	52.0	40.3	100.8	PASS	40.25	100.6	PASS
Tl1908	40	28.0	52.0	37.95	94.9	PASS	38.06	95.2	PASS
V_2924	40	28.0	52.0	39.35	98.4	PASS	40.39	101.0	PASS
Zn2062	40	28.0	52.0	44.23	110.6	PASS	44.51	111.3	PASS
Mo2020	20	14.0	26.0	20.66	103.3	PASS	19.8	99.0	PASS
Ti3372	20	14.0	26.0	20.31	101.6	PASS	20.31	101.6	PASS
B_2089	20	14.0	26.0	22.48	112.4	PASS	20.75	103.8	PASS
Si2881A	1000	700	1300	1015	101.5	PASS	1027	102.7	PASS
Si2881R	1000	700	1300	1019	101.9	PASS	999.4	99.9	PASS
Sr3464	20	14.0	26.0	19.59	98.0	PASS	20.02	100.1	PASS
Sn1899	20	14.0	26.0	21.52	107.6	PASS	21.61	108.1	PASS

ICAP 6300 QC IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	17 Aug 2011			17 Aug 2011			
				18:35:29			21:21:40			
Ag3280	0	-5.0	5.0	-0.4009		PASS	-0.7498		PASS	
Al3082A	300000	200000	300000	^F *****	*N/A	*N/A	^F *****	*N/A	*N/A	switch to radial
Al3082R	300000	200000	300000	307100	102.4	PASS	312900	104.3	PASS	
As1890	0	-8.0	8.0	4.063		PASS	0.0363		PASS	
Ba4554R	0	-100	100	0.5278		PASS	0.9166		PASS	
Be3131R	0	-3.0	3.0	0.336		PASS	0.2393		PASS	
Ca3179R	300000	200000	300000	293700	97.9	PASS	293700	97.9	PASS	
Cd2265	0	-3.0	3.0	-1.028		PASS	-0.1409		PASS	
Co2286	0	-20.0	20.0	-0.8792		PASS	-0.9175		PASS	
Cr2677	0	-5.0	5.0	-3.274		PASS	-3.197		PASS	
Cu3247	0	-5.0	5.0	4.395		PASS	4.531		PASS	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	#VALUE!	*N/A	switch to radial
Fe2599R	300000	200000	300000	296300	98.8	PASS	287900	96.0	PASS	
K_7664R	0	-500	500	-20.87		PASS	238.3		PASS	
Mg2790R	300000	200000	300000	295300	98.4	PASS	288700	96.2	PASS	
Mn2576	0	-5.0	5.0	0.1848		PASS	-0.1048		PASS	
Na5895R	300000	200000	300000	296100	98.7	PASS	306000	102.0	PASS	
Ni2316	0	-20.0	20.0	-1.825		PASS	-2.623		PASS	
Pb2203	0	-8.0	8.0	2.109		PASS	2.024		PASS	
Sb2068	0	-20.0	20.0	1.715		PASS	-0.0962		PASS	
Se1960	0	-20.0	20.0	-1.504		PASS	0.9776		PASS	
Tl1908	0	-20.0	20.0	0.7803		PASS	-0.1053		PASS	
V_2924	0	-20.0	20.0	-1.512		PASS	-2.106		PASS	
Zn2062	0	-20.0	20.0	2.563		PASS	2.832		PASS	
Mo2020	0	-10.0	10.0	-2.132		PASS	-1.956		PASS	
Ti3372	0	-10.0	10.0	1.75		PASS	1.093		PASS	
B_2089	0	-10.0	10.0	-1.084		PASS	-1.691		PASS	
Si2881A	0	-500	500	-4.764		PASS	-3.735		PASS	
Si2881R	0	-500	500	35.41		PASS	30.7		PASS	
Sr3464	0	-10.0	10.0	1.152		PASS	1.569		PASS	
Sn1899	0	-10.0	10.0	1.214		PASS	0.0752		PASS	

ICAP 6300 QC CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	17 Aug 2011			ug/L	17 Aug 2011	
		19:28:13				19:32:46	
Ag3280	200	203.7	101.9	PASS	5	-0.3579	PASS
Al3082A	5000	5327	106.5	PASS	100	-3.248	PASS
Al3082R	5000	4959	99.2	PASS	100	-23.89	PASS
As1890	200	195.3	97.7	PASS	8	-1.639	PASS
Ba4554R	200	201.5	100.8	PASS	100	0.6692	PASS
Be3131R	200	184.5	92.3	PASS	3	0.3332	PASS
Ca3179R	5000	5065	101.3	PASS	500	-2.617	PASS
Cd2265	200	201.1	100.6	PASS	3	-0.0224	PASS
Co2286	200	191.8	95.9	PASS	20	0.0411	PASS
Cr2677	200	214.8	107.4	PASS	5	-0.8815	PASS
Cu3247	200	208.9	104.5	PASS	5	1.333	PASS
Fe2599A	5000	5371	107.4	PASS	50	-5.6	PASS
Fe2599R	5000	5042	100.8	PASS	50	0.4815	PASS
K_7664R	5000	5366	107.3	PASS	500	95.54	PASS
Mg2790R	5000	5043	100.9	PASS	500	17.67	PASS
Mn2576	200	214.2	107.1	PASS	5	0.1475	PASS
Na5895R	5000	F 10050.	#VALUE!	#VALUE!	1000	F 3380.	#VALUE!
Ni2316	200	196.7	98.4	PASS	20	0.4765	PASS
Pb2203	200	203.5	101.8	PASS	8	-0.4857	PASS
Sb2068	200	196.2	98.1	PASS	20	0.6216	PASS
Se1960	200	196.1	98.1	PASS	20	-0.2225	PASS
Tl1908	200	197.8	98.9	PASS	20	-1.461	PASS
V_2924	200	202.5	101.3	PASS	20	-0.4481	PASS
Zn2062	200	201.5	100.8	PASS	20	-0.0856	PASS
Mo2020	200	195.1	97.6	PASS	10	-0.0086	PASS
Ti3372	200	202.1	101.1	PASS	10	-0.4061	PASS
B_2089	200	194.4	97.2	PASS	10	0.3132	PASS
Si2881A	5000	5161	103.2	PASS	500	-0.649	PASS
Si2881R	5000	5035	100.7	PASS	500	2.376	PASS
Sr3464	200	208.1	104.1	PASS	10	-1.089	PASS
Sn1899	200	205.2	102.6	PASS	10	-0.101	PASS

ICAP 6300 QC

CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	17 Aug 2011			ug/L	17 Aug 2011	
		20:25:26				20:30:00	
Ag3280	200	199.5	99.8	PASS	5	-0.1709	PASS
Al3082A	5000	5492	109.8	PASS	100	-2.497	PASS
Al3082R	5000	4998	100.0	PASS	100	-16.68	PASS
As1890	200	196.4	98.2	PASS	8	0.8592	PASS
Ba4554R	200	205.1	102.6	PASS	100	1.705	PASS
Be3131R	200	176.7	88.4	PASS	3	0.4067	PASS
Ca3179R	5000	5007	100.1	PASS	500	-6.793	PASS
Cd2265	200	203	101.5	PASS	3	-0.085	PASS
Co2286	200	190.7	95.4	PASS	20	0.0702	PASS
Cr2677	200	211.3	105.7	PASS	5	-1.277	PASS
Cu3247	200	203.6	101.8	PASS	5	1.344	PASS
Fe2599A	5000	5231	104.6	PASS	50	-6.69	PASS
Fe2599R	5000	4907	98.1	PASS	50	0.2155	PASS
K_7664R	5000	5710	114.2	PASS	500	163.9	PASS
Mg2790R	5000	4925	98.5	PASS	500	3.553	PASS
Mn2576	200	208.8	104.4	PASS	5	-0.0108	PASS
Na5895R	5000	F 14160.	#VALUE!	#VALUE!	1000	F 5662.	#VALUE!
Ni2316	200	196.8	98.4	PASS	20	-0.2394	PASS
Pb2203	200	207.5	103.8	PASS	8	0.5398	PASS
Sb2068	200	193.9	97.0	PASS	20	3.95	PASS
Se1960	200	203.9	102.0	PASS	20	2.867	PASS
Tl1908	200	198.9	99.5	PASS	20	-2.496	PASS
V_2924	200	197.4	98.7	PASS	20	-0.1395	PASS
Zn2062	200	202.4	101.2	PASS	20	0.0098	PASS
Mo2020	200	194.9	97.5	PASS	10	0.3144	PASS
Ti3372	200	196.4	98.2	PASS	10	-0.4957	PASS
B_2089	200	187.2	93.6	PASS	10	0.652	PASS
Si2881A	5000	5089	101.8	PASS	500	1.108	PASS
Si2881R	5000	4935	98.7	PASS	500	-3.41	PASS
Sr3464	200	206.1	103.1	PASS	10	-0.3028	PASS
Sn1899	200	208	104.0	PASS	10	1.409	PASS

ICAP 6300 QC CCV-3 / CCB-3 (ug/L)

ELEMENT	TRUE VALUE	CCV-3	%REC	FLAG	REP. LIMIT	CCB-3	FLAG
	ug/L	17 Aug 2011			ug/L	17 Aug 2011	
		21:02:58				21:07:30	
Ag3280	200	201.9	101.0	PASS	5	-0.9822	PASS
Al3082A	5000	5230	104.6	PASS	100	-3.594	PASS
Al3082R	5000	4957	99.1	PASS	100	-41.35	PASS
As1890	200	195.7	97.9	PASS	8	2.209	PASS
Ba4554R	200	203.4	101.7	PASS	100	0.6947	PASS
Be3131R	200	187.2	93.6	PASS	3	-0.2442	PASS
Ca3179R	5000	4978	99.6	PASS	500	-5.227	PASS
Cd2265	200	201	100.5	PASS	3	-0.0641	PASS
Co2286	200	191.9	96.0	PASS	20	-0.2671	PASS
Cr2677	200	212.7	106.4	PASS	5	-0.3657	PASS
Cu3247	200	208.3	104.2	PASS	5	0.8365	PASS
Fe2599A	5000	5362	107.2	PASS	50	-5.903	PASS
Fe2599R	5000	4907	98.1	PASS	50	2.66	PASS
K_7664R	5000	5439	108.8	PASS	500	126	PASS
Mg2790R	5000	4936	98.7	PASS	500	35.2	PASS
Mn2576	200	214	107.0	PASS	5	0.0019	PASS
Na5895R	5000	F 9389.	#VALUE!	#VALUE!	1000	F 3467.	#VALUE!
Ni2316	200	197.9	99.0	PASS	20	-0.2252	PASS
Pb2203	200	203.8	101.9	PASS	8	0.9809	PASS
Sb2068	200	194	97.0	PASS	20	5.203	PASS
Se1960	200	198.7	99.4	PASS	20	-4.194	PASS
Tl1908	200	197.6	98.8	PASS	20	-2.009	PASS
V_2924	200	202	101.0	PASS	20	-0.1946	PASS
Zn2062	200	200.2	100.1	PASS	20	-0.0594	PASS
Mo2020	200	196.4	98.2	PASS	10	-0.237	PASS
Ti3372	200	202.5	101.3	PASS	10	-0.3482	PASS
B_2089	200	196.6	98.3	PASS	10	0.5207	PASS
Si2881A	5000	5134	102.7	PASS	500	-0.5173	PASS
Si2881R	5000	4884	97.7	PASS	500	3.528	PASS
Sr3464	200	208.5	104.3	PASS	10	-0.6261	PASS
Sn1899	200	204.4	102.2	PASS	10	0.7572	PASS

ICAP 6300 QC

Aqueous Prep. Blank (PBW) - ug/L

ELEMENT	PBW-1 B19P12	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	17 Aug 2011	ug/L	ug/L	ug/L	
	18:40:44				
Ag3280	-0.1846	5	5	-5	PASS
Al3082A	-1.435	100	100	-100	PASS
Al3082R	-13.57	100	100	-100	PASS
As1890	-0.3182	8	8	-8	PASS
Ba4554R	0.1014	100	100	-100	PASS
Be3131R	-0.2768	3	3	-3	PASS
Ca3179R	1.628	500	500	-500	PASS
Cd2265	-0.1489	3	3	-3	PASS
Co2286	0.0661	20	20	-20	PASS
Cr2677	-0.0598	5	5	-5	PASS
Cu3247	0.3951	5	5	-5	PASS
Fe2599A	-1.469	50	50	-50	PASS
Fe2599R	1.753	50	50	-50	PASS
K_7664R	-93.53	500	500	-500	PASS
Mg2790R	1.777	500	500	-500	PASS
Mn2576	0.1422	5	5	-5	PASS
Na5895R	127.7	1000	1000	-1000	PASS
Ni2316	-0.0342	20	20	-20	PASS
Pb2203	0.9551	8	8	-8	PASS
Sb2068	4.604	20	20	-20	PASS
Se1960	-1.172	20	20	-20	PASS
Tl1908	-1.521	20	20	-20	PASS
V_2924	-0.4521	20	20	-20	PASS
Zn2062	-0.0191	20	20	-20	PASS
Mo2020	0.1588	10	10	-10	PASS
Ti3372	-0.2221	10	10	-10	PASS
B_2089	-0.8021	10	10	-10	PASS
Si2881A	4.2	500	500	-500	PASS
Si2881R	31.23	500	500	-500	PASS
Sr3464	-0.4403	10	10	-10	PASS
Sn1899	0.007	10	10	-10	PASS

ICAP 6300 QC

Aqueous LCS (LCSW) - ug/L

ELEMENT	LCSW-1 B19P12	LCSW-2 B19P12	MEAN	SPIKE LEVEL	RPD	% REC	FLAG
	17 Aug 2011	17 Aug 2011	ug/L	ug/L			
	18:45:28	18:50:01					
Ag3280	209.8	207.9	208.9	200	1.00	94	PASS
Al3082A	5067	4988	5028	5000	1.57	101	PASS
Al3082R	4897	4849	4873.0	5000	0.99	97	PASS
As1890	202.3	203.9	203.1	200	0.79	102	PASS
Ba4554R	210	207.7	208.9	200	1.10	104	PASS
Be3131R	204.7	204	204	200	0.34	102	PASS
Ca3179R	5110	5104	5107.0	5000	0.12	102	PASS
Cd2265	205.8	205.9	205.9	200	0.05	103	PASS
Co2286	204.3	204.2	204.3	200	0.05	102	PASS
Cr2677	213.4	212.9	213.2	200	0.23	107	PASS
Cu3247	208.1	206.2	207	200	0.92	104	PASS
Fe2599A	5222	5189	5206	5000	0.63	104	PASS
Fe2599R	5093	5052	5073	5000	0.81	101	PASS
K_7664R	4724	4682	4703.0	5000	0.89	94	PASS
Mg2790R	5065	5066	5066	5000	0.02	101	PASS
Mn2576	215.5	214	214.8	200	0.70	107	PASS
Na5895R	5153	5079	5116.0	5000	1.45	102	PASS
Ni2316	206	205.6	205.8	200	0.19	103	PASS
Pb2203	209.7	208.8	209.3	200	0.43	105	PASS
Sb2068	204.3	201.6	203.0	200	1.33	101	PASS
Se1960	206.7	206.6	206.7	200	0.05	103	PASS
Tl1908	202	203.3	202.7	200	0.64	101	PASS
V_2924	209.5	207.3	208.4	200	1.06	104	PASS
Zn2062	207.5	208.4	208.0	200	0.43	104	PASS
Mo2020	202	202	202.0	200	0.00	101	PASS
Ti3372	210.9	209.8	210.4	200	0.52	105	PASS
B_2089	200.6	200.9	200.8	200	0.15	100	PASS
Si2881A	5140	5072	5106	5000	1.33	102	PASS
Si2881R	5131	5043	5087	5000	1.73	102	PASS
Sr3464	210.1	209.1	209.6	200	0.48	105	PASS
Sn1899	204.1	205.7	204.9	200	0.78	102	PASS

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03594	AN03594 MS	SPIKE LEVEL	% REC	FLAG	COMMENTS	QUALIFIER
		17 Aug 2011	17 Aug 2011	ug/L				
		18:54:33	18:59:31					
Ag3280	1.33	-0.2541	234.5	200	117.3	PASS		
Al3082A	25.2	29.71	3588	5000	71.2	L		
Al3082R	28.2	F -58.03	5039	5000	#VALUE!	######	#VALUE!	
As1890	4.8	7.12	244.6	200	118.7	PASS		
Ba4554R	27.6	23.26	235	200	117.5	PASS		
Be3131R	1.44	1.198	195.6	200	97.8	PASS		
Ca3179R	133	252400	250600	5000	-36.0	L		
Cd2265	1.46	-0.1225	206.1	200	103.1	PASS		
Co2286	5.44	0.1613	197.1	200	98.6	PASS		
Cr2677	2.9	2.46	221.3	200	110.7	PASS		
Cu3247	5.03	7.27	204.9	200	98.8	PASS		
Fe2599A	14.2	216.1	5769	5000	111.1	PASS		
Fe2599R	13.7	210.8	5339	5000	102.6	PASS		
K_7664R	154	287000	293700	5000	134.0	K		
Mg2790R	139	790600	775000	5000	-312.0	L		
Mn2576	3.04	79.65	299.4	200	109.9	PASS		
Na5895R	274	F 2849000.	F 2646000.	5000	#VALUE!	######	N/A	
Ni2316	5.43	1.919	200.1	200	100.1	PASS		
Pb2203	2.39	7.971	205.5	200	98.8	PASS		
Sb2068	11.2	3.623	222.5	200	111.3	PASS		
Se1960	11.2	8.548	242.7	200	121.4	K		
Tl1908	7.58	-2.826	175.8	200	87.9	PASS		
V_2924	5.62	0.9129	217.9	200	109.0	PASS		
Zn2062	5.71	15.08	231.5	200	108.2	PASS		
Mo2020	2.7	7.174	210.7	200	101.8	PASS		
Ti3372	2.91	3.01	215.6	200	106.3	PASS		
B_2089	2.5	2685	2787	200	51.0	L	NA	
Si2881A	40.45	1090	5253	5000	83.3	PASS		
Si2881R	50.5	1152	5368	5000	84.3	PASS		
Sr3464	2.6	4899	5037	200	69.0	L	NA	
Sn1899	2.7	2.581	202.6	200	101.3	PASS		

ICAP 6300 QC MS/SDL - % Difference

ELEMENT	MS Value (ug/L) AN03594 MS	SDL Value (ug/L) AN03594 SDL	% Difference	FLAG	COMMENTS	QUALIFIER
	17 Aug 2011	17 Aug 2011				
	18:59:31	19:04:21				
Ag3280	234.5	213.1	9.13	PASS		
Al3082A	3588	4357	-21.43	< -10%		
Al3082R	5039	5036	0.06	PASS		
As1890	244.6	222.4	9.08	PASS		
Ba4554R	235	236	-0.43	PASS		
Be3131R	195.6	196.1	-0.26	PASS		
Ca3179R	250600	256800	-2.47	PASS		
Cd2265	206.1	206.4	-0.15	PASS		
Co2286	197.1	197.2	-0.05	PASS		
Cr2677	221.3	220.1	0.54	PASS		
Cu3247	204.9	208	-1.51	PASS		
Fe2599A	5769	5771	-0.03	PASS		
Fe2599R	5339	5386	-0.88	PASS		
K_7664R	293700	270400	7.93	PASS		
Mg2790R	775000	772500	0.32	PASS		
Mn2576	299.4	301.6	-0.73	PASS		
Na5895R	2646000	5684000	-114.81	< -10%		
Ni2316	200.1	206.7	-3.30	PASS		
Pb2203	205.5	212.9	-3.60	PASS		
Sb2068	222.5	228.4	-2.65	PASS		
Se1960	242.7	240.6	0.87	PASS		
Tl1908	175.8	172.1	2.10	PASS		
V_2924	217.9	216	0.87	PASS		
Zn2062	231.5	231.7	-0.09	PASS		
Mo2020	210.7	212.2	-0.71	PASS		
Ti3372	215.6	219.4	-1.76	PASS		
B_2089	2787	2689	3.52	PASS		
Si2881A	5253	5461	-3.96	PASS		
Si2881R	5368	5576	-3.87	PASS		
Sr3464	5037	5097	-1.19	PASS		
Sn1899	202.6	212.2	-4.74	PASS		

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 15 ATs (RE-ANALYSIS)

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: R. RECTO

SAMPLE PREPARATION DATE(S): 08/12/11

ANALYSIS DATE: 08/17/11

DATA FILE: ESAT081711

ELEMENT(S) OF INTEREST: As & Pb

COVER PAGE

	Pos ID	Type	Samplename	Comment	Instrument	Method	CorrFact	Check	Check Table	Fail Action
1	1	QC	PBW-1 B19 P12		ICAP6300	SOP-C-109	1	☒	PBW	None
2	2	QC	LCSW-1 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
3	3	QC	LCSW-2 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
4	4	Unk	AN03594	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	AN03594 MS	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	AN03594 SDL	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
7	7	Unk	AN03594 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	AN03595 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	Unk	AN03596 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
10	10	Unk	AN03596 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
11	11	Unk	AN03597 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
12	12	Unk	AN03598 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
13	13	Unk	AN03599 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
14	14	Unk	AN03600 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
15	15	Unk	AN03601 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
16	16	Unk	AN03602 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
17	17	Unk	AN03603 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
18	18	Unk	AN03604 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
19	19	Unk	AN03605 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
20	20	Unk	AN03605 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
21	21	Unk	AN03606 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
22	22	Unk	AN03607 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
23	23	Unk	AN03608 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
24	24	Unk	AN03608 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
25	25	QC	LCSW-3		ICAP6300	SOP-C-109	1	☒	LCSW	None
26	26	QC	LCSW-4		ICAP6300	SOP-C-109	1	☒	LCSW	None

SUMMARY - VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	17 Aug 2011 18:01:17	17 Aug 2011 18:05:58	17 Aug 2011 18:10:42	17 Aug 2011 18:16:40	17 Aug 2011 18:21:17	17 Aug 2011 18:26:02	17 Aug 2011 18:30:45	17 Aug 2011 18:35:29
Ag3280	-.0007	.3713	.7552	199.5	-.5104	5.578	10.34	-.4009
Al3961A	.0102	3.442	6.848	4938.	-4.189	107.8	208.4	^F *****
Al3961R	.0031	.2319	.4617	4916.	-19.07	96.51	190.7	307100.
As1890	.0001	.1875	.3764	198.3	1.633	9.922	17.14	4.063
Ba4554R	.0100	11.38	22.49	199.4	.6812	99.75	199.2	.5278
Be3131R	.0018	8.049	16.21	197.3	.2966	2.972	6.342	.3360
Ca3179R	.0076	.7021	1.380	5045.	-7.819	501.5	1002.	293700.
Cd2265	.0003	7.457	14.67	196.9	.0449	2.918	5.990	-1.028
Co2286	-.0001	2.372	4.778	193.2	.2990	20.03	39.51	-.8792
Cr2677	.0000	1.091	2.132	208.6	-.6455	5.407	10.60	-3.274
Cu3247	.0112	4.220	8.565	210.8	1.257	11.34	22.65	4.395
Fe2599A	.0046	2.636	5.240	5144.	-6.039	47.94	102.1	^ *****
Fe2599R	.0005	.4122	.8283	5087.	3.740	47.63	101.1	296300.
K_7664R	-.0138	.1256	.2649	5066.	-52.15	449.2	921.6	-20.87
Mg2790R	.0001	.0806	.1602	4997.	15.81	495.7	1024.	295300.
Mn2576	.0007	16.64	33.70	207.4	.1679	5.615	10.83	.1848
Na5895R	.0219	.4567	.8935	5024.	-77.62	918.5	1917.	296100.
Ni2316	-.0001	1.252	2.522	196.4	-.3726	19.36	39.72	-1.825
Pb2203	.0002	.5579	1.117	196.6	.8664	7.961	16.45	2.109
Sb2068	.0001	.2827	.5716	200.4	3.976	21.84	43.38	1.715
Se1960	.0002	.1431	.2877	195.7	-.3865	19.73	40.30	-1.504
Tl1908	-.0002	.2585	.5165	198.9	1.946	18.96	37.95	.7803
V_2924	-.0003	3.671	7.432	198.5	-.2037	19.65	39.35	-1.512
Zn2062	.0010	3.390	6.674	193.9	-.0210	22.12	44.23	2.563
B_2089	-.0001	.7516	1.535	213.1	4.193	12.42	22.48	-1.084
Mo2020	-.0001	1.526	3.121	197.6	.1781	10.73	20.66	-2.132
Ti3372	-.0012	10.17	20.88	201.9	-.1187	10.18	20.31	1.750
Si2881A	.0060	.7394	1.489	5059.	1.823	514.0	1015.	-4.764
Si2881R	.0001	.1214	.2416	5031.	3.661	538.0	1019.	35.41
Sn1899	.0001	.4575	.9018	198.5	1.093	11.29	21.52	1.214
Sr3464	-.0005	3.013	6.058	202.5	-.0428	10.10	19.59	1.152
Y_2243-A	24982.	25448.	24740.	24918.	24332.	24622.	24568.	23242.
Y_3203-A	46703.	47692.	46638.	45924.	44450.	45728.	45567.	42852.
Y_3600-R	18755.	18000.	18869.	18311.	17147.	17392.	17757.	17858.

SUMMARY - VERTICAL REPORT

	PBW-1 B19 P12	LCSW-1 B19P12	LCSW-2 B19P12	AN03594	AN03594 MS	AN03594 SDL	AN03594 X2	AN03595 X2
	17 Aug 2011 18:40:44	17 Aug 2011 18:45:28	17 Aug 2011 18:50:01	17 Aug 2011 18:54:33	17 Aug 2011 18:59:31	17 Aug 2011 19:04:21	17 Aug 2011 19:09:08	17 Aug 2011 19:13:55
Ag3280	-.1846	209.8	207.9	-.2541	234.5	213.1	.0137	-.4257
Al3961A	-1.435	5067.	4988.	29.71	3588.	4357.	9.410	-34.18
Al3961R	-13.57	4897.	4849.	F -58.03	5039.	5036.	F -61.48	F -79.77
As1890	-.3182	202.3	203.9	7.120	244.6	222.4	8.837	6.700
Ba4554R	.1014	210.0	207.7	23.26	235.0	236.0	13.22	12.35
Be3131R	-.2768	204.7	204.0	1.198	195.6	196.1	1.111	1.115
Ca3179R	1.628	5110.	5104.	252400.	250600.	256800.	126600.	125100.
Cd2265	-.1489	205.8	205.9	-.1225	206.1	206.4	-.0083	.1104
Co2286	.0661	204.3	204.2	.1613	197.1	197.2	-.3088	1.194
Cr2677	-.0598	213.4	212.9	2.460	221.3	220.1	.6501	.1928
Cu3247	.3951	208.1	206.2	7.270	204.9	208.0	4.754	3.730
Fe2599A	-1.469	5222.	5189.	216.1	5769.	5771.	108.1	-4.786
Fe2599R	1.753	5093.	5052.	210.8	5339.	5386.	91.92	-4.632
K_7664R	-93.53	4724.	4682.	287000.	293700.	270400.	140500.	138800.
Mg2790R	1.777	5065.	5066.	790600.	775000.	772500.	384700.	379900.
Mn2576	.1422	215.5	214.0	79.65	299.4	301.6	39.77	32.97
Na5895R	127.7	5153.	5079.	F 2849000.	F 2646000.	F 5684000.	F 2218000.	F 2130000.
Ni2316	-.0342	206.0	205.6	1.919	200.1	206.7	1.685	1.219
Pb2203	.9551	209.7	208.8	7.971	205.5	212.9	3.671	.4307
Sb2068	4.604	204.3	201.6	3.623	222.5	228.4	9.073	7.278
Se1960	-1.172	206.7	206.6	8.548	242.7	240.6	4.904	.0544
Tl1908	-1.521	202.0	203.3	-2.826	175.8	172.1	-2.553	-2.771
V_2924	-.4521	209.5	207.3	.9129	217.9	216.0	-.1369	.0872
Zn2062	-.0191	207.5	208.4	15.08	231.5	231.7	7.660	7.100
Mo2020	.1588	202.0	202.0	7.174	210.7	212.2	3.711	2.900
Ti3372	-.2221	210.9	209.8	3.010	215.6	219.4	1.871	-1.440
B_2089	-.8021	200.6	200.9	2685.	2787.	2689.	1267.	1262.
Si2881A	4.200	5140.	5072.	1090.	5253.	5461.	553.2	404.3
Si2881R	31.23	5131.	5043.	1152.	5368.	5576.	588.1	416.2
Sn1899	.0070	204.1	205.7	2.581	202.6	212.2	1.641	1.609
Sr3464	-.4403	210.1	209.1	4899.	5037.	5097.	2463.	2409.
Y_2243-A	24899.	24859.	25343.	19536.	19531.	21707.	20318.	20366.
Y_3203-A	45490.	44379.	45584.	34120.	33326.	36805.	34123.	34668.
Y_3600-R	17566.	16727.	16965.	14463.	13537.	13490.	12597.	12704.

SUMMARY - VERTICAL REPORT

	AN03596 X2	AN03596 X100	CCV	CCB	AN03597 X2	AN03598 X2	AN03599 X2	AN03600 X2
	17 Aug 2011 19:18:43	17 Aug 2011 19:23:33	17 Aug 2011 19:28:13	17 Aug 2011 19:32:46	17 Aug 2011 19:37:29	17 Aug 2011 19:42:18	17 Aug 2011 19:47:07	17 Aug 2011 19:51:56
Ag3280	-.7235	-.4136	203.7	-.3579	-.5436	-.3908	.0563	-1.297
Al3961A	-.7222	-2.666	5327.	-3.248	-33.46	6.004	-32.37	3.445
Al3961R	F -60.74	-22.84	4959.	-23.89	F -95.48	F -53.97	F -110.5	F -70.59
As1890	9.884	2.578	195.3	-1.639	4.127	7.236	3.847	-6.889
Ba4554R	13.56	3.047	201.5	.6692	12.31	13.84	13.82	13.63
Be3131R	1.328	.3117	184.5	.3332	.9795	.9077	1.294	1.130
Ca3179R	126300.	5392.	5065.	-2.617	121900.	121900.	123900.	122000.
Cd2265	-.0256	.0469	201.1	-.0224	-.1349	.1127	.0170	-.1164
Co2286	.0260	.0239	191.8	.0411	.5182	-.2525	.6048	.0771
Cr2677	.7273	-1.474	214.8	-.8815	.1373	.9721	1.585	1.206
Cu3247	5.010	2.029	208.9	1.333	3.717	3.369	1.920	3.261
Fe2599A	95.29	-2.721	5371.	-5.600	-4.029	116.6	-5.299	108.5
Fe2599R	92.13	-3.362	5042.	.4815	1.981	111.4	-1.895	97.13
K_7664R	140300.	5727.	5366.	95.54	131000.	134900.	138300.	136800.
Mg2790R	384500.	16270.	5043.	17.67	369800.	370400.	374000.	367000.
Mn2576	40.14	1.641	214.2	.1475	34.03	40.60	36.21	40.43
Na5895R	F 2147000.	148900.	F 10050.	F 3380.	F 2234000.	F 2123000.	F 2161000.	F 2180000.
Ni2316	.8784	.2647	196.7	.4765	1.341	1.459	.3339	1.191
Pb2203	7.167	.5087	203.5	-.4857	1.258	5.528	1.864	3.829
Sb2068	4.664	8.687	196.2	.6216	4.278	4.510	1.863	9.183
Se1960	5.374	2.404	196.1	-.2225	2.105	4.338	6.836	1.852
Tl1908	-3.318	-3.367	197.8	-1.461	-2.731	-3.965	-3.905	-4.742
V_2924	-.7356	-.6105	202.5	-.4481	-.5272	-.3030	-.7278	-.4829
Zn2062	9.418	.3907	201.5	-.0856	7.608	7.362	5.655	7.261
B_2089	1274.	53.82	194.4	.3132	1243.	1223.	1228.	1211.
Mo2020	3.144	-.3821	195.1	-.0086	3.251	3.203	2.764	2.868
Ti3372	.1926	-.5597	202.1	-.4061	-.9919	.3415	-1.256	.8167
Si2881A	545.3	31.27	5161.	-.6490	432.0	564.4	457.1	535.9
Si2881R	604.2	46.86	5035.	2.376	465.3	620.6	498.8	581.2
Sn1899	.4658	.2558	205.2	-.1010	1.188	1.251	1.365	2.185
Sr3464	2420.	103.3	208.1	-1.089	2334.	2328.	2393.	2355.
Y_2243-A	20169.	23375.	24377.	23821.	20418.	19911.	19438.	19473.
Y_3203-A	34654.	39918.	43048.	43712.	34924.	34101.	33045.	33053.
Y_3600-R	12887.	13333.	14670.	15203.	13741.	12757.	12154.	11944.

SUMMARY - VERTICAL REPORT

	AN03601 X2	AN03602 X2	AN03603 X2	AN03604 X2	AN03605 X2	AN03605 X100	CCV	CCB
	17 Aug 2011 19:56:44	17 Aug 2011 20:01:33	17 Aug 2011 20:06:22	17 Aug 2011 20:11:10	17 Aug 2011 20:15:59	17 Aug 2011 20:20:47	17 Aug 2011 20:25:26	17 Aug 2011 20:30:00
Ag3280	-.4828	-1.646	-1.021	-1.382	-.8977	-1.596	199.5	-.1709
Al3961A	-34.47	1.590	-34.98	28.52	-33.49	-4.024	5492.	-2.497
Al3961R	F -68.19	-29.21	F -112.9	23.18	F -101.9	-18.31	4998.	-16.68
As1890	4.372	6.543	1.932	1.536	2.000	2.246	196.4	.8592
Ba4554R	13.69	14.17	14.81	14.53	13.96	3.847	205.1	1.705
Be3131R	1.466	1.312	1.105	1.367	1.572	.6540	176.7	.4067
Ca3179R	122800.	123100.	121400.	120600.	118900.	5102.	5007.	-6.793
Cd2265	-.1352	-.0715	.2942	.1234	.2911	.0940	203.0	-.0850
Co2286	-.0592	-.0687	.3784	-.2348	.3762	-.0715	190.7	.0702
Cr2677	-.2892	-.0274	-.2048	-.0989	-.4551	-2.234	211.3	-1.277
Cu3247	3.429	4.016	4.134	5.230	3.609	2.440	203.6	1.344
Fe2599A	-5.651	106.0	-5.729	185.0	-3.335	-6.943	5231.	-6.690
Fe2599R	-4.452	100.9	-1.214	177.9	2.156	4.942	4907.	.2155
K_7664R	141200.	142500.	142300.	142700.	141400.	5900.	5710.	163.9
Mg2790R	369100.	367600.	364200.	361800.	353100.	15030.	4925.	3.553
Mn2576	33.64	41.08	34.86	43.37	33.71	1.350	208.8	-.0108
Na5895R	F 2159000.	F 2084000.	F 2109000.	F 2077000.	F 2061000.	148500.	F 14160.	F 5662.
Ni2316	1.354	1.774	1.987	1.786	1.089	.5440	196.8	-.2394
Pb2203	3.404	4.863	3.511	4.212	2.660	3.393	207.5	.5398
Sb2068	2.485	5.069	3.638	7.259	4.049	5.483	193.9	3.950
Se1960	.0433	8.359	4.064	2.726	8.455	-.0034	203.9	2.867
Tl1908	-3.909	-3.302	-5.027	-7.545	-6.473	-5.265	198.9	-2.496
V_2924	-.6437	-1.016	-.5502	.3553	-1.159	-1.115	197.4	-.1395
Zn2062	5.952	7.226	5.719	7.805	5.779	-.1333	202.4	.0098
B_2089	1214.	1213.	1200.	1197.	1170.	48.84	187.2	.6520
Mo2020	3.681	2.930	2.840	2.821	3.285	-.5937	194.9	.3144
Ti3372	-1.422	.1343	-1.511	1.253	-1.354	-.9539	196.4	-.4957
Si2881A	426.2	547.2	425.9	610.8	411.1	22.57	5089.	1.108
Si2881R	459.1	592.0	451.7	654.6	461.3	48.21	4935.	-3.410
Sn1899	.5292	2.756	1.163	1.612	-.2261	1.718	208.0	1.409
Sr3464	2402.	2412.	2409.	2371.	2341.	100.8	206.1	-.3028
Y_2243-A	19020.	19141.	18938.	18682.	18686.	21973.	22748.	24199.
Y_3203-A	32236.	32015.	31474.	31467.	31298.	35878.	40082.	43417.
Y_3600-R	11072.	11022.	10816.	10680.	10427.	10691.	12363.	14881.

SUMMARY - VERTICAL REPORT

	AN03606 X2	AN03607 X2	AN03608 X2	AN03608 X100	LCSW-3	LCSW-4	CCV	CCB
	17 Aug 2011 20:34:43	17 Aug 2011 20:39:31	17 Aug 2011 20:44:20	17 Aug 2011 20:49:09	17 Aug 2011 20:53:51	17 Aug 2011 20:58:24	17 Aug 2011 21:02:58	17 Aug 2011 21:07:30
Ag3280	-.3531	-.8348	-.2710	-.7220	214.3	212.8	201.9	-.9822
Al3961A	58.95	-32.42	-1.332	-5.445	4864.	4911.	5230.	-3.594
Al3961R	47.72	F -106.1	-33.78	-30.81	4534.	4606.	4957.	-41.35
As1890	1.846	3.612	2.993	.8647	208.7	208.9	195.7	2.209
Ba4554R	13.23	12.35	13.13	1.533	216.0	216.1	203.4	.6947
Be3131R	.8741	1.070	.6884	.2869	197.9	197.8	187.2	-.2442
Ca3179R	123900.	123900.	121200.	5134.	4605.	4703.	4978.	-5.227
Cd2265	-.1290	.0229	-.0067	-.1297	211.0	209.8	201.0	-.0641
Co2286	-.5152	.8851	.4664	-.0971	206.0	205.4	191.9	-.2671
Cr2677	1.858	.5870	.9863	-.5975	218.9	218.3	212.7	-.3657
Cu3247	4.233	3.244	3.049	1.518	208.1	208.4	208.3	.8365
Fe2599A	282.2	-3.169	86.80	-3.286	4917.	4930.	5362.	-5.903
Fe2599R	253.3	-.7394	79.37	1.481	4507.	4532.	4907.	2.660
K_7664R	137400.	140200.	138900.	5771.	4735.	4654.	5439.	126.0
Mg2790R	372700.	375000.	367400.	15680.	4556.	4590.	4936.	35.20
Mn2576	47.93	34.24	36.95	1.359	221.0	219.6	214.0	.0019
Na5895R	F 2291000.	F 2229000.	F 2156000.	149300.	F 11260.	F 10240.	F 9389.	F 3467.
Ni2316	1.625	2.027	2.111	.1949	207.9	207.8	197.9	-.2252
Pb2203	2.342	3.244	1.615	1.524	215.6	215.8	203.8	.9809
Sb2068	5.348	10.91	3.388	2.426	201.9	196.3	194.0	5.203
Se1960	2.061	.9899	5.646	-.0030	216.2	213.0	198.7	-4.194
Tl1908	-2.515	-1.643	-4.876	-2.632	205.4	209.4	197.6	-2.009
V_2924	-.1247	-.7138	-.4971	-.5552	212.3	211.4	202.0	-.1946
Zn2062	8.003	5.761	6.773	.3554	214.2	212.8	200.2	-.0594
B_2089	1260.	1266.	1242.	52.04	197.7	198.9	196.6	.5207
Mo2020	3.153	3.461	3.797	-.0240	203.6	203.9	196.4	-.2370
Ti3372	2.851	-1.208	.2775	-.5987	213.0	212.6	202.5	-.3482
Si2881A	695.0	409.2	500.8	26.21	4289.	4300.	5134.	-.5173
Si2881R	722.4	432.5	517.8	38.66	4115.	4164.	4884.	3.528
Sn1899	.7346	.2783	.2659	-.0113	211.5	212.1	204.4	.7572
Sr3464	2398.	2388.	2368.	99.48	216.1	215.9	208.5	-.6261
Y_2243-A	20177.	20228.	20189.	24043.	24060.	23358.	24805.	24039.
Y_3203-A	34568.	34925.	34774.	42422.	43151.	41422.	43792.	44278.
Y_3600-R	13421.	13096.	12958.	14261.	14272.	13840.	14973.	15686.

SUMMARY - VERTICAL REPORT

	RL	2RL	IOS
	17 Aug 2011 21:12:14	17 Aug 2011 21:16:58	17 Aug 2011 21:21:40
Ag3280	4.402	9.359	-.7498
Al3961A	111.4	215.6	^F *****
Al3961R	81.57	213.6	312900.
As1890	8.485	13.77	.0363
Ba4554R	101.9	203.3	.9166
Be3131R	2.980	5.780	.2393
Ca3179R	487.2	996.0	293700.
Cd2265	2.899	6.045	-.1409
Co2286	19.66	39.82	-.9175
Cr2677	4.786	10.68	-3.197
Cu3247	11.63	22.57	4.531
Fe2599A	48.04	104.4	^ *****
Fe2599R	49.22	102.0	287900.
K_7664R	598.0	1076.	238.3
Mg2790R	491.7	980.9	288700.
Mn2576	5.490	10.89	-.1048
Na5895R	F 4154.	F 5012.	306000.
Ni2316	19.82	39.69	-2.623
Pb2203	9.518	19.41	2.024
Sb2068	23.60	41.75	-.0962
Se1960	20.35	40.25	.9776
Tl1908	17.70	38.06	-.1053
V_2924	19.55	40.39	-2.106
Zn2062	22.23	44.51	2.832
B_2089	8.256	20.75	-1.691
Mo2020	10.09	19.80	-1.956
Ti3372	10.13	20.31	1.093
Si2881A	516.1	1027.	-3.735
Si2881R	511.0	999.4	30.70
Sn1899	11.16	21.61	.0752
Sr3464	9.153	20.02	1.569
Y_2243-A	24228.	23878.	22273.
Y_3203-A	43597.	43251.	39717.
Y_3600-R	15383.	15021.	15422.

Sample Name: Blank Acquired: 8/17/2011 18:01:17 Type: Cal
Method: PT_MET(v101) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0007**	**.0102**	**.0031**	**.0001**	**.0100**	**.0018**	**.0076**	**.0003**	**-.0001**	**.0000**	**.0112**
Stddev	.0003	.0006	.0005	.0001	.0001	.0008	.0004	.0003	.0001	.000	.0003
%RSD	50.69	5.518	17.54	129.5	1.019	45.37	4.830	100.7	118.5	234.4	2.600
#1	-.0003	.0099	.0025	-.0001	.0099	.0026	.0080	.0007	-.0002	-.0001	.0110
#2	-.0008	.0099	.0036	.0002	.0101	.0016	.0073	.0002	-.0001	.0000	.0112
#3	-.0010	.0109	.0032	.0002	.0101	.0010	.0074	.0001	.0000	.0000	.0116

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0046**	**.0005**	**-.0138**	**.0001**	**.0007**	**.0219**	**-.0001**	**.0002**	**.0001**	**.0002**	**-.0002**
Stddev	.0001	.0003	.0014	.0001	.0001	.0003	.0000	.0001	.0001	.0001	.0001
%RSD	2.489	59.84	10.47	80.35	13.75	1.234	31.89	40.19	82.21	52.02	71.13
#1	.0048	.0002	-.0155	.0000	.0007	.0216	-.0001	.0002	.0000	.0004	-.0003
#2	.0046	.0009	-.0131	.0002	.0007	.0219	-.0001	.0003	.0001	.0001	-.0003
#3	.0046	.0005	-.0129	.0002	.0006	.0221	-.0001	.0002	.0001	.0002	.0000

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0003**	**.0010**	**-.0001**	**-.0012**	**-.0001**	**.0060**	**.0001**	**-.0005**	**.0001**
Stddev	.0002	.0002	.0002	.0004	.0003	.0003	.0001	.0008	.0001
%RSD	53.01	20.03	173.7	31.71	242.2	4.190	78.98	165.1	61.92
#1	-.0002	.0008	.0000	-.0016	.0002	.0061	.0002	-.0001	.0001
#2	-.0003	.0012	-.0003	-.0010	-.0003	.0063	.0000	-.0014	.0001
#3	-.0005	.0010	.0000	-.0010	-.0003	.0058	.0002	.0000	.0000

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24982.	46703.	18755.
Stddev	295.	519.	30.
%RSD	1.1817	1.1103	.15987
#1	24653.	46632.	18756.
#2	25070.	46224.	18784.
#3	25224.	47254.	18724.

Sample Name: MID STD Acquired: 8/17/2011 18:05:58 Type: Cal
Method: PT_MET(v101) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3713**	**3.442**	**.2319**	**.1875**	**11.38**	**8.049**	**.7021**	**7.457**	**2.372**	**1.091**	**4.220**
Stddev	.0045	.026	.0015	.0015	.12	.076	.0062	.013	.005	.006	.021
%RSD	1.209	.7695	.6589	.8009	1.046	.9398	.8873	.1783	.2017	.5744	.5011
#1	.3763	3.472	.2326	.1863	11.49	8.126	.7072	7.469	2.366	1.094	4.243
#2	.3677	3.433	.2329	.1870	11.41	8.048	.7041	7.443	2.375	1.083	4.201
#3	.3697	3.422	.2301	.1892	11.25	7.975	.6952	7.459	2.375	1.094	4.217

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.636**	**.4122**	**.1256**	**.0806**	**16.64**	**.4567**	**1.252**	**.5579**	**.2827**	**.1431**	**.2585**
Stddev	.040	.0008	.0016	.0002	.67	.0036	.003	.0017	.0011	.0004	.0003
%RSD	1.523	.1968	1.300	.2109	4.024	.7821	.1979	.3018	.3953	.2866	.1083
#1	2.682	.4125	.1239	.0804	16.79	.4584	1.254	.5580	.2818	.1435	.2588
#2	2.611	.4129	.1259	.0807	17.22	.4591	1.251	.5562	.2823	.1430	.2585
#3	2.615	.4113	.1271	.0806	15.91	.4526	1.250	.5596	.2839	.1427	.2582

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.671**	**3.390**	**1.526**	**10.17**	**.7516**	**.7394**	**.1214**	**3.013**	**.4575**
Stddev	.044	.025	.007	.37	.0008	.0070	.0019	.020	.0008
%RSD	1.208	.7358	.4504	3.676	.1077	.9471	1.552	.6696	.1845
#1	3.715	3.366	1.533	10.41	.7521	.7457	.1233	3.036	.4572
#2	3.627	3.389	1.525	10.36	.7521	.7318	.1215	2.998	.4568
#3	3.671	3.416	1.519	9.736	.7507	.7407	.1195	3.005	.4584

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25448.**	**47692.**	**18000.**
Stddev	463.	1143.	435.
%RSD	1.8193	2.3964	2.4145
#1	25918.	47453.	18484.
#2	24993.	46688.	17645.
#3	25432.	48936.	17870.

Sample Name: HIGH STD Acquired: 8/17/2011 18:10:42 Type: Cal
Method: PT_MET(v101) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7552**	**6.848**	**.4617**	**.3764**	**22.49**	**16.21**	**1.380**	**14.67**	**4.778**	**2.132**	**8.565**
Stddev	.0105	.073	.0014	.0025	.83	.45	.002	.39	.017	.026	.163
%RSD	1.394	1.062	.2929	.6585	3.689	2.753	.1318	2.671	.3498	1.216	1.897
#1	.7506	6.771	.4604	.3779	22.04	16.44	1.379	14.27	4.769	2.107	8.385
#2	.7477	6.855	.4615	.3736	23.45	16.49	1.379	14.69	4.768	2.130	8.700
#3	.7672	6.916	.4631	.3779	22.00	15.69	1.382	15.06	4.798	2.159	8.612

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.240**	**.8283**	**.2649**	**.1602**	**33.70**	**.8935**	**2.522**	**1.117**	**.5716**	**.2877**	**.5165**
Stddev	.145	.0026	.0011	.0011	.84	.0028	.011	.007	.0046	.0008	.0030
%RSD	2.776	.3125	.3979	.7030	2.501	.3162	.4151	.6351	.8119	.2663	.5725
#1	5.075	.8254	.2659	.1595	33.09	.8966	2.513	1.113	.5760	.2872	.5137
#2	5.346	.8304	.2638	.1615	33.35	.8910	2.521	1.113	.5667	.2874	.5161
#3	5.300	.8290	.2651	.1595	34.66	.8929	2.534	1.125	.5722	.2886	.5196

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.432**	**6.674**	**3.121**	**20.88**	**1.535**	**1.489**	**.2416**	**6.058**	**.9018**
Stddev	.076	.061	.013	.31	.004	.012	.0003	.054	.0052
%RSD	1.026	.9160	.4028	1.466	.2960	.8115	.1059	.8933	.5813
#1	7.396	6.684	3.108	20.61	1.536	1.486	.2414	6.030	.9000
#2	7.380	6.608	3.122	20.83	1.531	1.478	.2415	6.024	.8976
#3	7.519	6.729	3.133	21.21	1.540	1.502	.2419	6.120	.9077

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24740.**	**46638.**	**18869.**
Stddev	388.	755.	223.
%RSD	1.5702	1.6190	1.1802
#1	25125.	47378.	18928.
#2	24747.	46666.	18623.
#3	24348.	45869.	19056.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	-0.000681	0.000753	0.000000	1.000000	0.999972	0.290811	0.872432	2.908106
Al 396.152 { 85}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.010208	0.000671	0.000000	1.000000	0.999998	0.224618	0.673853	2.246176
Al 396.152 { 85}2	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.003113	0.000044	0.000000	1.000000	0.999999	0.132924	0.398772	1.329241
As 189.042 {478}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	-0.000038	0.000037	0.000000	1.000000	0.999998	0.250594	0.751781	2.505936
Ba 455.403 { 74}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.010079	0.002257	0.000000	1.000000	0.999985	0.672507	2.017522	6.725073
Be 313.107 {108}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.001752	0.001616	0.000000	1.000000	0.999995	0.390683	1.172049	3.906831
Ca 317.933 {106}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.007553	0.000138	0.000000	1.000000	0.999984	0.699548	2.098644	6.995481
Cd 226.502 {449}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.000349	0.001475	0.000000	1.000000	0.999970	0.940862	2.822587	9.408623
Co 228.616 {447}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	-0.000094	0.000476	0.000000	1.000000	0.999994	0.416301	1.248902	4.163006
Cr 267.716 {126}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	-0.000009	0.000215	0.000000	1.000000	0.999941	1.325206	3.975617	13.252055
Cu 324.754 {104}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.011226	0.000853	0.000000	1.000000	0.999972	0.920529	2.761586	9.205287
Fe 259.940 {130}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.004646	0.000525	0.000000	1.000000	0.999997	0.300021	0.900062	3.000207
Fe 259.940 {130}2	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.000525	0.000083	0.000000	1.000000	0.999997	0.306623	0.919869	3.066229
K 766.490 { 44}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	-0.013809	0.000028	0.000000	1.000000	1.000000	0.027058	0.081175	0.270582
Mg 279.079 {121}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.000117	0.000016	0.000000	1.000000	0.999997	0.301046	0.903138	3.010461
Mn 257.610 {131}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.000616	0.003356	0.000000	1.000000	0.999983	0.711567	2.134702	7.115672
Na 589.592 { 57}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	0.021876	0.000087	0.000000	1.000000	0.999999	0.127009	0.381027	1.270090
Ni 231.604 {445}	8/17/2011 18:16:32	8/17/2011 18:16:32	Linear	1/Conc	-0.000106	0.000252	0.000000	1.000000	0.999994	0.434071	1.302213	4.340709
Pb 220.353 {453}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	0.000226	0.000112	0.000000	1.000000	1.000000	0.063287	0.189860	0.632868
Sb 206.833 {463}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	0.000069	0.000058	0.000000	1.000000	0.999986	0.641677	1.925031	6.416771
Se 196.090 {472}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	0.000228	0.000029	0.000000	1.000000	0.999995	0.368255	1.104764	3.682545
Tl 190.856 {477}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	-0.000210	0.000052	0.000000	1.000000	1.000000	0.081948	0.245844	0.819481
V 292.402 {115}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	-0.000350	0.000741	0.000000	1.000000	0.999984	0.696616	2.089847	6.966156
Zn 206.200 {463}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	0.001029	0.000671	0.000000	1.000000	0.999973	0.904965	2.714894	9.049647
Mo 202.030 {467}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	-0.000118	0.000310	0.000000	1.000000	0.999944	1.290996	3.872987	12.909957
Ti 337.280 {100}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	-0.001255	0.002071	0.000000	1.000000	0.999922	1.528544	4.585631	15.285437
B 208.959 {461}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	-0.000118	0.000145	0.000000	1.000000	0.999951	1.274759	3.824276	12.747587
Si 288.158 {117}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	0.006045	0.000147	0.000000	1.000000	0.999987	0.621634	1.864902	6.216341
Si 288.158 {117}2	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	0.000132	0.000024	0.000000	1.000000	0.999998	0.266254	0.798763	2.662544
Sr 346.446 { 97}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	-0.000491	0.000605	0.000000	1.000000	0.999997	0.294918	0.884754	2.949181
Sn 189.989 {477}	8/17/2011 18:16:33	8/17/2011 18:16:33	Linear	1/Conc	0.000089	0.000091	0.000000	1.000000	0.999977	0.834227	2.502680	8.342266
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/17/2011 18:16:40 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.5**	**4938.**	**4916.**	**198.3**	**199.4**	**197.3**	**5045.**	**196.9**	**193.2**	**208.6**	**210.8**
Stddev	3.9	80.	53.	3.1	2.3	1.5	49.	1.1	.6	2.2	1.3
%RSD	1.950	1.611	1.076	1.584	1.165	.7645	.9800	.5584	.3295	1.037	.6403
#1	203.2	5000.	4903.	195.0	200.2	198.8	5051.	197.8	192.7	209.5	211.2
#2	200.0	4966.	4974.	201.3	201.3	197.2	5092.	197.2	193.1	210.2	211.8
#3	195.4	4848.	4870.	198.6	196.8	195.8	4993.	195.7	193.9	206.1	209.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5144.**	**5087.**	**5066.**	**4997.**	**207.4**	**5024.**	**196.4**	**196.6**	**200.4**	**195.7**	**198.9**
Stddev	93.	30.	23.	33.	2.7	18.	.6	2.8	1.3	2.0	.4
%RSD	1.806	.5956	.4499	.6690	1.325	.3653	.3141	1.415	.6718	1.011	.2128
#1	5242.	5114.	5042.	4958.	210.3	5029.	197.1	199.3	201.9	196.6	199.1
#2	5135.	5093.	5087.	5020.	206.9	5038.	195.8	197.0	199.3	193.5	199.3
#3	5057.	5054.	5068.	5011.	204.9	5003.	196.4	193.7	200.0	197.1	198.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.5**	**193.9**	**197.6**	**201.9**	**213.1**	**5059.**	**5031.**	**202.5**	**198.5**
Stddev	3.7	1.7	1.2	2.2	1.3	81.	74.	2.3	1.5
%RSD	1.849	.8652	.6235	1.069	.6176	1.596	1.461	1.152	.7656
#1	202.2	192.2	198.7	203.9	214.7	5114.	5002.	205.1	198.1
#2	198.4	193.9	197.8	202.1	212.3	5096.	5115.	201.9	200.1
#3	194.8	195.5	196.3	199.6	212.5	4966.	4976.	200.5	197.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24918.	45924.	18311.
Stddev	202.	1099.	521.
%RSD	.81081	2.3920	2.8429
#1	25151.	45221.	18781.
#2	24805.	45360.	17752.
#3	24797.	47190.	18400.

Sample Name: ICB Acquired: 8/17/2011 18:21:17 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5104**	**-4.189**	**-19.07**	**1.633**	**.6812**	**.2966**	**-7.819**	**.0449**	**.2990**	**-.6455**	**1.257**
Stddev	.3517	.639	15.79	1.813	.4418	.2494	2.429	.1504	.1201	.4767	.327
%RSD	68.91	15.25	82.82	111.0	64.85	84.08	31.07	334.9	40.16	73.85	26.02
#1	-.1656	-3.988	-6.585	3.335	.7099	.5831	-10.43	.2089	.4041	-1.192	1.629
#2	-.8687	-3.674	-36.82	1.836	.2258	.1783	-5.623	.0126	.1681	-.4322	1.016
#3	-.4968	-4.904	-13.80	-.2726	1.108	.1284	-7.407	-.0867	.3248	-.3127	1.126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.039**	**3.740**	**-52.15**	**15.81**	**.1679**	**-77.62**	**-.3726**	**.8664**	**3.976**	**-.3865**	**1.946**
Stddev	.342	2.610	63.57	8.87	.0555	14.18	.6460	.9654	3.081	1.017	1.253
%RSD	5.664	69.80	121.9	56.12	33.08	18.26	173.4	111.4	77.50	263.2	64.35
#1	-5.944	3.414	-122.6	18.47	.2303	-82.01	.3544	-.1944	6.783	-1.326	3.298
#2	-6.419	1.307	.962	5.910	.1239	-61.77	-.8805	1.100	.6788	.6941	.8245
#3	-5.755	6.497	-34.82	23.04	.1494	-89.08	-.5917	1.694	4.466	-.5279	1.717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2037**	**-.0210**	**.1781**	**-.1187**	**4.193**	**1.823**	**3.661**	**-.0428**	**1.093**
Stddev	.3444	.1860	.0717	.2087	.705	3.462	10.24	.8325	.370
%RSD	169.1	886.1	40.26	175.8	16.80	189.9	279.6	1943.	33.87
#1	-.4120	.1148	.2109	-.3027	4.313	4.745	12.53	-.9956	.6743
#2	.1938	.0552	.0958	.1081	3.436	2.727	5.993	.3230	1.228
#3	-.3929	-.2329	.2274	-.1616	4.830	-2.001	-7.539	.5440	1.377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24332.**	**44450.**	**17147.**
Stddev	255.	447.	653.
%RSD	1.0468	1.0061	3.8068
#1	24617.	44965.	16404.
#2	24254.	44230.	17628.
#3	24126.	44157.	17408.

Sample Name: RL Acquired: 8/17/2011 18:26:02 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.578**	**107.8**	**96.51**	**9.922**	**99.75**	**2.972**	**501.5**	**2.918**	**20.03**	**5.407**	**11.34**
Stddev	.466	2.0	10.97	1.200	1.16	.165	10.8	.151	.48	.243	.44
%RSD	8.355	1.810	11.37	12.09	1.167	5.559	2.156	5.175	2.404	4.494	3.843
#1	5.158	110.0	89.25	10.14	101.0	2.922	512.7	3.063	20.01	5.127	11.72
#2	5.497	107.0	91.15	8.630	98.71	2.838	491.2	2.761	20.51	5.568	11.45
#3	6.080	106.3	109.1	11.00	99.53	3.156	500.7	2.930	19.55	5.525	10.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47.94**	**47.63**	**449.2**	**495.7**	**5.615**	**918.5**	**19.36**	**7.961**	**21.84**	**19.73**	**18.96**
Stddev	.73	.33	95.8	9.1	.070	16.5	.67	1.837	2.79	.96	.42
%RSD	1.523	.6936	21.33	1.830	1.248	1.800	3.480	23.08	12.77	4.856	2.198
#1	47.15	47.89	411.5	493.9	5.689	936.3	19.46	7.152	19.39	20.54	18.49
#2	48.09	47.26	377.9	505.5	5.550	903.6	19.97	10.06	24.87	19.99	19.10
#3	48.58	47.73	558.1	487.6	5.604	915.7	18.64	6.668	21.27	18.67	19.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.65**	**22.12**	**10.73**	**10.18**	**12.42**	**514.0**	**538.0**	**10.10**	**11.29**
Stddev	.77	.15	.31	.25	.20	4.9	19.1	.55	.66
%RSD	3.907	.6629	2.919	2.491	1.615	.9532	3.550	5.403	5.807
#1	20.52	22.28	10.38	10.12	12.19	513.9	537.6	10.71	10.84
#2	19.08	22.00	10.81	9.964	12.53	509.1	519.1	9.924	11.00
#3	19.34	22.08	10.99	10.46	12.55	518.9	557.3	9.659	12.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24622.**	**45728.**	**17392.**
Stddev	55.	983.	429.
%RSD	.22414	2.1491	2.4643
#1	24658.	44879.	17147.
#2	24649.	46805.	17143.
#3	24558.	45501.	17887.

Sample Name: 2RL Acquired: 8/17/2011 18:30:45 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.34**	**208.4**	**190.7**	**17.14**	**199.2**	**6.342**	**1002.**	**5.990**	**39.51**	**10.60**	**22.65**
Stddev	.70	1.2	27.5	1.81	1.9	.078	12.	.162	.22	.23	.16
%RSD	6.800	.5926	14.40	10.57	.9525	1.228	1.173	2.705	.5480	2.166	.7260
#1	10.66	207.3	182.2	17.37	201.4	6.421	1015.	6.165	39.75	10.81	22.48
#2	9.538	208.2	168.5	18.82	198.1	6.266	993.1	5.961	39.44	10.65	22.66
#3	10.84	209.8	221.4	15.22	198.1	6.339	997.9	5.845	39.33	10.36	22.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**102.1**	**101.1**	**921.6**	**1024.**	**10.83**	**1917.**	**39.72**	**16.45**	**43.38**	**40.30**	**37.95**
Stddev	.7	3.6	37.4	14.	.04	35.	.29	2.12	1.82	.53	2.58
%RSD	.6794	3.527	4.056	1.366	.3524	1.816	.7237	12.87	4.199	1.326	6.795
#1	102.8	103.6	958.6	1021.	10.85	1944.	40.01	14.60	42.42	39.87	39.41
#2	101.4	97.00	922.2	1011.	10.85	1930.	39.44	15.99	42.24	40.89	34.97
#3	102.0	102.7	883.9	1039.	10.78	1878.	39.71	18.76	45.49	40.13	39.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39.35**	**44.23**	**20.66**	**20.31**	**22.48**	**1015.**	**1019.**	**19.59**	**21.52**
Stddev	.37	.10	.18	.30	.87	10.	10.	.56	.79
%RSD	.9378	.2266	.8600	1.458	3.861	1.010	.9777	2.845	3.669
#1	39.64	44.30	20.80	20.58	22.31	1026.	1025.	20.00	20.61
#2	39.48	44.27	20.72	19.99	23.43	1006.	1008.	19.81	21.99
#3	38.94	44.12	20.46	20.35	21.72	1012.	1025.	18.95	21.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24568.**	**45567.**	**17757.**
Stddev	220.	832.	600.
%RSD	.89464	1.8257	3.3764
#1	24766.	46187.	17967.
#2	24607.	45893.	18224.
#3	24332.	44622.	17081.

Sample Name: IOS Acquired: 8/17/2011 18:35:29 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4009	^F *****	307100.	4.063	.5278	.3360	293700.	-1.028	-.8792	-3.274	4.395
Stddev	.3040	-----	579.	1.945	.2444	.2314	11760.	.490	.6194	.024	.891
%RSD	75.83	-----	.1886	47.86	46.30	68.86	4.002	47.70	70.45	.7343	20.28
#1	-.2283	^ -----	307500.	3.464	.4942	.6017	289300.	-.4878	-1.523	-3.299	4.440
#2	-.7518	^ -----	307300.	6.236	.7872	.2273	307100.	-1.151	-.8275	-3.252	5.264
#3	-.2225	^ -----	306400.	2.488	.3019	.1791	284800.	-1.445	-.2872	-3.271	3.483
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	296300.	-20.87	295300.	.1848	296100.	-1.825	2.109	1.715	-1.504	.7803
Stddev	-----	5269.	22.76	803.	.1412	1195.	.365	4.062	5.966	3.533	2.509
%RSD	-----	1.778	109.0	.2717	76.42	.4035	20.00	192.6	348.0	234.9	321.5
#1	^ -----	290900.	1.520	296300.	.3044	294900.	-2.241	3.514	2.197	1.307	3.525
#2	^ -----	296700.	-43.98	294800.	.2209	297200.	-1.673	-2.469	7.425	-5.470	-1.395
#3	^ -----	301400.	-20.15	295000.	.0290	296200.	-1.560	5.282	-4.478	-.3493	.2110
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.512	2.563	-2.132	1.750	-1.084	-4.764	35.41	1.152	1.214
Stddev	.490	.051	.181	.339	1.522	2.015	23.12	.882	.680
%RSD	32.40	2.004	8.483	19.38	140.4	42.30	65.30	76.62	55.98
#1	-1.633	2.504	-2.172	1.560	.5771	-7.029	49.56	1.935	1.401
#2	-1.930	2.599	-1.935	2.142	-1.419	-4.094	8.727	.1958	1.781
#3	-.9731	2.585	-2.290	1.549	-2.411	-3.169	47.94	1.324	.4608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23242.	42852.	17858.
Stddev	237.	329.	92.
%RSD	1.0188	.76842	.51500
#1	23176.	42603.	17883.
#2	23046.	42727.	17756.
#3	23505.	43225.	17935.

Sample Name: PBW-1 B19 P12 Acquired: 8/17/2011 18:40:44 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1846	-1.435	-13.57	-.3182	.1014	-.2768	1.628	-.1489	.0661	-.0598	.3951
Stddev	.8921	.445	10.04	.0761	.0921	.1672	4.923	.0241	.3808	.3467	.4095
%RSD	483.3	31.01	74.04	23.91	90.85	60.40	302.4	16.18	576.5	579.6	103.7
#1	.8193	-1.948	-2.115	-.2746	.0740	-.2119	-3.020	-.1495	-.1848	-.3815	.7008
#2	-.8867	-1.198	-17.70	-.4060	.0261	-.4667	6.786	-.1246	-.1213	.3074	-.0702
#3	-.4864	-1.158	-20.88	-.2739	.2041	-.1518	1.118	-.1728	.5043	-.1054	.5546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.469	1.753	-93.53	1.777	.1422	127.7	-.0342	.9551	4.604	-1.172	-1.521
Stddev	.191	3.811	9.84	22.23	.0214	8.2	.2754	2.229	1.724	3.102	.769
%RSD	12.99	217.4	10.52	1251.	15.02	6.426	804.7	233.4	37.45	264.6	50.58
#1	-1.674	.2770	-93.14	10.13	.1232	128.6	-.3244	-1.617	3.488	-.1578	-.7526
#2	-1.434	6.082	-103.6	18.62	.1654	135.4	-.0018	2.325	6.590	-4.654	-2.292
#3	-1.297	-1.099	-83.90	-23.42	.1381	119.1	.2235	2.158	3.733	1.296	-1.520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4521	-.0191	.1588	-.2221	-.8021	4.200	31.23	-.4403	.0070
Stddev	.3531	.1167	.2950	.3025	.9627	2.008	22.03	.8514	1.093
%RSD	78.11	611.9	185.7	136.2	120.0	47.81	70.56	193.3	15640.
#1	-.6236	-.1094	.1822	-.0845	-1.281	2.460	25.83	.4802	-.4462
#2	-.0460	-.0605	.4414	-.0127	-1.432	3.743	12.40	-.6018	1.254
#3	-.6867	.1127	-.1472	-.5689	.3061	6.398	55.46	-1.199	-.7869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24899.	45490.	17566.
Stddev	192.	57.	341.
%RSD	.76943	.12608	1.9412
#1	25120.	45528.	17933.
#2	24796.	45424.	17504.
#3	24780.	45519.	17260.

Sample Name: LCSW-1 B19P12 Acquired: 8/17/2011 18:45:28 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**209.8**	**5067.**	**4897.**	**202.3**	**210.0**	**204.7**	**5110.**	**205.8**	**204.3**	**213.4**	**208.1**
Stddev	.5	29.	52.	1.5	1.0	1.0	25.	.7	.6	1.3	1.2
%RSD	.2580	.5724	1.057	.7602	.4666	.4879	.4945	.3500	.2853	.6034	.5743
#1	210.1	5100.	4839.	201.9	208.9	204.8	5082.	206.3	205.0	214.9	209.4
#2	209.1	5051.	4939.	204.1	210.0	205.7	5119.	205.0	204.1	212.4	207.9
#3	210.1	5048.	4913.	201.1	210.9	203.7	5130.	206.0	203.9	213.0	207.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5222.**	**5093.**	**4724.**	**5065.**	**215.5**	**5153.**	**206.0**	**209.7**	**204.3**	**206.7**	**202.0**
Stddev	19.	63.	58.	6.	.6	63.	.5	2.1	3.6	4.4	1.2
%RSD	.3609	1.230	1.229	.1121	.2880	1.227	.2580	.9804	1.773	2.142	.5838
#1	5205.	5067.	4687.	5071.	215.2	5162.	205.6	208.5	206.3	211.1	200.7
#2	5243.	5164.	4791.	5061.	216.2	5211.	205.8	212.1	200.1	206.8	202.9
#3	5219.	5047.	4695.	5061.	215.0	5085.	206.6	208.5	206.5	202.3	202.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**209.5**	**207.5**	**202.0**	**210.9**	**200.6**	**5140.**	**5131.**	**210.1**	**204.1**
Stddev	.8	.6	.4	.9	2.2	27.	36.	1.6	.8
%RSD	.3595	.2785	.2216	.4166	1.118	.5329	.6918	.7691	.4128
#1	210.0	207.8	201.6	211.9	198.0	5169.	5159.	209.9	204.4
#2	208.6	207.9	201.9	210.6	202.3	5115.	5144.	208.6	203.1
#3	209.8	206.8	202.5	210.2	201.4	5137.	5091.	211.8	204.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24859.**	**44379.**	**16727.**
Stddev	262.	664.	192.
%RSD	1.0536	1.4952	1.1504
#1	24591.	43818.	16870.
#2	24873.	44209.	16508.
#3	25114.	45111.	16803.

Sample Name: LCSW-2 B19P12 Acquired: 8/17/2011 18:50:01 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**207.9**	**4988.**	**4849.**	**203.9**	**207.7**	**204.0**	**5104.**	**205.9**	**204.2**	**212.9**	**206.2**
Stddev	1.7	19.	38.	3.0	.6	1.1	12.	.7	.2	1.3	1.3
%RSD	.7936	.3752	.7743	1.449	.2882	.5170	.2430	.3306	.1175	.6054	.6195
#1	206.0	4975.	4856.	204.4	208.0	205.1	5106.	206.3	204.4	213.8	207.2
#2	209.0	5010.	4882.	206.5	208.0	203.0	5115.	206.4	204.2	213.5	206.7
#3	208.6	4980.	4808.	200.6	207.0	204.0	5090.	205.1	203.9	211.4	204.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5189.**	**5052.**	**4682.**	**5066.**	**214.0**	**5079.**	**205.6**	**208.8**	**201.6**	**206.6**	**203.3**
Stddev	61.	12.	16.	31.	1.8	15.	1.0	2.3	2.7	.9	1.1
%RSD	1.168	.2383	.3428	.6024	.8285	.2914	.4688	1.098	1.343	.4478	.5321
#1	5119.	5052.	4688.	5042.	212.0	5085.	206.7	210.0	203.7	207.4	203.6
#2	5222.	5064.	4664.	5100.	214.9	5091.	204.8	210.2	202.6	205.6	204.2
#3	5227.	5040.	4695.	5055.	215.2	5062.	205.4	206.1	198.6	206.8	202.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**207.3**	**208.4**	**202.0**	**209.8**	**200.9**	**5072.**	**5043.**	**209.1**	**205.7**
Stddev	.5	1.7	.5	.5	2.2	30.	45.	1.5	.8
%RSD	.2177	.8020	.2592	.2479	1.079	.5893	.8924	.7040	.3737
#1	207.0	207.5	202.6	209.2	202.3	5069.	5071.	208.3	205.1
#2	207.9	210.3	201.9	210.0	202.0	5103.	5068.	210.7	206.6
#3	207.1	207.3	201.6	210.2	198.4	5043.	4991.	208.1	205.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25343.	45584.	16965.
Stddev	242.	183.	548.
%RSD	.95469	.40157	3.2318
#1	25358.	45374.	17466.
#2	25094.	45710.	16379.
#3	25577.	45669.	17050.

Sample Name: AN03594 Acquired: 8/17/2011 18:54:33 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2541**	**29.71**	F **-58.03**	**7.120**	**23.26**	**1.198**	**252400.**	**-.1225**	**.1613**
Stddev	.3802	.82	20.83	1.684	.74	.354	3128.	.1078	.3672
%RSD	149.6	2.765	35.89	23.66	3.195	29.57	1.239	87.96	227.7
#1	.1635	29.32	-82.06	8.395	22.73	.8240	254000.	-.1783	-.1250
#2	-.3458	30.65	-45.19	7.756	22.94	1.242	248800.	-.1910	.5752
#3	-.5801	29.15	-46.84	5.211	24.11	1.529	254500.	.0017	.0336
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.460**	**7.270**	**216.1**	**210.8**	**287000.**	**790600.**	**79.65**	F **2849000.**	**1.919**
Stddev	1.124	.393	.6	3.3	4513.	3821.	.40	127400.	.428
%RSD	45.69	5.405	.2783	1.581	1.573	.4833	.5005	4.473	22.32
#1	1.288	6.859	216.5	211.1	282400.	795000.	79.31	2971000.	2.386
#2	3.529	7.307	215.4	207.4	287100.	789000.	80.09	2859000.	1.544
#3	2.563	7.642	216.5	214.0	291500.	787800.	79.55	2717000.	1.828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.971**	**3.623**	**8.548**	**-2.826**	**.9129**	**15.08**	**7.174**	**3.010**	**2685.**
Stddev	.846	4.834	2.034	3.132	.6140	.10	.218	.579	17.
%RSD	10.62	133.4	23.79	110.8	67.26	.6942	3.033	19.24	.6427
#1	7.103	8.447	7.056	-4.242	1.204	15.19	7.407	3.352	2705.
#2	8.794	3.644	10.87	-4.999	.2074	15.09	6.976	2.341	2672.
#3	8.015	-1.221	7.725	.7642	1.327	14.98	7.138	3.337	2679.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**1090.**	**1152.**	**4899.**	**2.581**
Stddev	3.	25.	18.	.438
%RSD	.3028	2.174	.3588	16.98
#1	1087.	1162.	4881.	2.836
#2	1089.	1171.	4916.	2.075
#3	1093.	1124.	4899.	2.831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**19536.**	**34120.**	**14463.**
Stddev	132.	853.	704.
%RSD	.67565	2.4988	4.8651
#1	19599.	35003.	15221.
#2	19625.	33302.	14337.
#3	19385.	34056.	13831.

Sample Name: AN03594 MS Acquired: 8/17/2011 18:59:31 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**234.5**	**3588.**	**5039.**	**244.6**	**235.0**	**195.6**	**250600.**	**206.1**	**197.1**
Stddev	1.1	16.	19.	5.8	.8	1.2	6408.	.3	.4
%RSD	.4828	.4380	.3753	2.385	.3289	.6041	2.557	.1385	.2155
#1	233.8	3601.	5056.	250.2	235.2	196.3	257500.	206.0	196.6
#2	234.0	3571.	5018.	245.0	234.2	196.3	249300.	205.9	197.3
#3	235.8	3593.	5041.	238.6	235.7	194.3	244900.	206.4	197.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**221.3**	**204.9**	**5769.**	**5339.**	**293700.**	**775000.**	**299.4**	F **2646000.**	**200.1**
Stddev	2.2	.4	26.	40.	4141.	1750.	.7	90270.	1.4
%RSD	1.011	.2125	.4433	.7537	1.410	.2258	.2193	3.411	.6936
#1	219.8	205.2	5798.	5309.	289600.	773000.	300.1	2737000.	200.3
#2	220.1	205.2	5749.	5385.	293600.	775900.	299.1	2557000.	198.6
#3	223.8	204.4	5761.	5324.	297900.	776100.	298.9	2645000.	201.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**205.5**	**222.5**	**242.7**	**175.8**	**217.9**	**231.5**	**210.7**	**215.6**	**2787.**
Stddev	2.6	4.0	5.2	2.5	1.6	.5	.7	.9	17.
%RSD	1.244	1.784	2.158	1.439	.7141	.2155	.3308	.3993	.6211
#1	203.8	224.1	239.6	178.7	218.3	231.4	210.4	216.5	2794.
#2	208.5	218.0	248.8	174.5	216.2	232.1	211.5	215.3	2799.
#3	204.4	225.5	239.8	174.1	219.3	231.1	210.2	214.9	2767.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**5253.**	**5368.**	**5037.**	**202.6**
Stddev	35.	78.	13.	1.8
%RSD	.6577	1.460	.2590	.8915
#1	5241.	5347.	5036.	203.5
#2	5225.	5302.	5025.	203.7
#3	5291.	5455.	5051.	200.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**19531.**	**33326.**	**13537.**
Stddev	41.	262.	237.
%RSD	.21073	.78601	1.7473
#1	19494.	33627.	13713.
#2	19575.	33148.	13630.
#3	19524.	33203.	13268.

Sample Name: AN03594 SDL Acquired: 8/17/2011 19:04:21 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 5.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**213.1**	**4357.**	**5036.**	**222.4**	**236.0**	**196.1**	**256800.**	**206.4**	**197.2**
Stddev	5.2	30.	121.	10.9	1.9	1.5	1958.	.5	1.0
%RSD	2.432	.6835	2.395	4.901	.8050	.7871	.7625	.2321	.4873
#1	218.8	4371.	5173.	234.9	235.9	195.4	257800.	206.3	196.2
#2	212.0	4377.	4945.	215.6	238.0	197.9	258100.	206.9	197.4
#3	208.7	4323.	4991.	216.5	234.2	195.1	254600.	205.9	198.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**220.1**	**208.0**	**5771.**	**5386.**	**270400.**	**772500.**	**301.6**	F **5684000.**	**206.7**
Stddev	7.1	1.9	8.	67.	2103.	2538.	1.1	92150.	1.8
%RSD	3.242	.8973	.1454	1.247	.7778	.3286	.3549	1.621	.8832
#1	228.1	207.0	5769.	5344.	268000.	774600.	302.8	5592000.	204.6
#2	214.3	206.8	5764.	5349.	271800.	773200.	300.7	5776000.	208.2
#3	217.9	210.1	5780.	5463.	271500.	769700.	301.5	5685000.	207.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**212.9**	**228.4**	**240.6**	**172.1**	**216.0**	**231.7**	**212.2**	**219.4**	**2689.**
Stddev	15.6	10.7	12.3	8.5	1.7	.6	2.5	6.9	3.
%RSD	7.307	4.676	5.107	4.910	.7885	.2554	1.179	3.156	.1193
#1	211.1	238.8	228.9	166.6	214.9	232.2	214.2	218.9	2685.
#2	198.4	217.5	239.7	168.0	218.0	231.8	209.4	212.8	2690.
#3	229.3	228.8	253.4	181.9	215.1	231.0	213.0	226.6	2692.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**5461.**	**5576.**	**5097.**	**212.2**
Stddev	61.	20.	3.	4.7
%RSD	1.119	.3611	.0664	2.203
#1	5513.	5599.	5093.	211.6
#2	5476.	5566.	5100.	217.1
#3	5394.	5564.	5098.	207.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**21707.**	**36805.**	**13490.**
Stddev	41.	125.	378.
%RSD	.18675	.33826	2.8030
#1	21718.	36668.	13892.
#2	21742.	36911.	13436.
#3	21663.	36837.	13142.

Sample Name: AN03594 X2 Acquired: 8/17/2011 19:09:08 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0137	9.410	F -61.48	8.837	13.22	1.111	126600.	-.0083	-.3088
Stddev	.7069	3.762	38.74	5.566	.67	.233	828.	.0689	.4073
%RSD	5141.	39.98	63.01	62.99	5.034	20.92	.6540	826.2	131.9
#1	-.3285	8.823	-17.55	15.25	12.50	1.162	125900.	-.0045	-.2996
#2	.8266	5.976	-76.13	5.924	13.34	.8577	126500.	.0585	.0938
#3	-.4568	13.43	-90.77	5.331	13.81	1.314	127500.	-.0790	-.7206
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6501	4.754	108.1	91.92	140500.	384700.	39.77	F 2218000.	1.685
Stddev	.6737	1.292	2.6	2.63	2502.	1719.	.17	30950.	1.273
%RSD	103.6	27.17	2.381	2.861	1.780	.4468	.4165	1.395	75.56
#1	1.258	6.242	110.5	94.95	137900.	386500.	39.82	2186000.	3.154
#2	-.0744	4.106	105.4	90.59	140700.	384500.	39.59	2221000.	.9305
#3	.7672	3.915	108.5	90.23	142900.	383000.	39.91	2247000.	.9692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.671	9.073	4.904	-2.553	-.1369	7.660	3.711	1.871	1267.
Stddev	2.777	.819	6.756	1.026	.8487	.079	.864	2.519	5.
%RSD	75.65	9.024	137.8	40.18	619.8	1.028	23.28	134.6	.3820
#1	6.855	9.073	8.015	-2.670	-1.051	7.584	4.030	4.780	1269.
#2	2.414	8.255	-2.847	-1.473	.0139	7.741	4.369	.4434	1270.
#3	1.745	9.892	9.543	-3.514	.6263	7.654	2.733	.3905	1262.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	553.2	588.1	2463.	1.641
Stddev	25.7	16.0	7.	.941
%RSD	4.650	2.720	.2829	57.31
#1	544.2	569.7	2469.	.5562
#2	533.3	599.2	2455.	2.145
#3	582.3	595.3	2465.	2.223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20318.	34123.	12597.
Stddev	292.	40.	536.
%RSD	1.4371	.11729	4.2525
#1	20579.	34124.	13089.
#2	20002.	34082.	12676.
#3	20373.	34162.	12026.

Sample Name: AN03595 X2 Acquired: 8/17/2011 19:13:55 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4257	-34.18	F -79.77	6.700	12.35	1.115	125100.	.1104	1.194
Stddev	.6535	2.62	25.52	2.904	.53	.467	330.	.0825	.126
%RSD	153.5	7.679	31.99	43.35	4.308	41.87	.2641	74.72	10.57
#1	-1.177	-32.96	-101.5	8.400	12.92	1.641	125500.	.2021	1.245
#2	-.1122	-32.38	-86.20	3.346	12.27	.9533	124800.	.0423	1.287
#3	.0119	-37.19	-51.65	8.353	11.86	.7507	125100.	.0868	1.051
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1928	3.730	-4.786	-4.632	138800.	379900.	32.97	F 2130000.	1.219
Stddev	.1991	.261	.528	8.690	918.	1039.	.29	50120.	1.013
%RSD	103.3	7.003	11.04	187.6	.6615	.2735	.8774	2.353	83.04
#1	.3237	3.981	-4.369	4.546	137800.	380100.	33.30	2181000.	1.146
#2	-.0364	3.460	-5.380	-5.708	139500.	378800.	32.76	2081000.	.2457
#3	.2912	3.750	-4.609	-12.73	139100.	380900.	32.85	2126000.	2.267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4307	7.278	.0544	-2.771	.0872	7.100	2.900	-1.440	1262.
Stddev	2.706	5.416	8.827	3.547	.2754	.358	.486	.328	11.
%RSD	628.4	74.42	16230.	128.0	315.7	5.038	16.74	22.76	.8911
#1	3.288	3.114	6.809	-2.139	-.2300	7.039	2.634	-1.799	1251.
#2	.0984	5.319	-9.933	.4171	.2648	7.485	2.606	-1.363	1274.
#3	-2.094	13.40	3.288	-6.592	.2269	6.777	3.461	-1.157	1261.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	404.3	416.2	2409.	1.609
Stddev	4.3	17.0	9.	.441
%RSD	1.061	4.078	.3916	27.43
#1	399.4	398.7	2420.	1.190
#2	407.3	417.4	2403.	1.566
#3	406.1	432.6	2404.	2.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20366.	34668.	12704.
Stddev	441.	913.	442.
%RSD	2.1646	2.6342	3.4797
#1	20236.	33885.	12338.
#2	20857.	35671.	12580.
#3	20004.	34449.	13195.

Sample Name: AN03596 X2 Acquired: 8/17/2011 19:18:43 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7235	-.7222	F -60.74	9.884	13.56	1.328	126300.	-.0256	.0260
Stddev	1.268	1.587	26.49	1.435	.61	.183	1160.	.1578	.5014
%RSD	175.2	219.8	43.61	14.52	4.487	13.79	.9188	617.4	1927.
#1	.4635	-2.258	-64.99	8.559	13.51	1.186	127000.	.1377	.5654
#2	-.5750	-.8200	-84.85	9.684	14.19	1.534	126900.	-.1773	-.4259
#3	-2.059	.9117	-32.39	11.41	12.97	1.263	125000.	-.0371	-.0614
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7273	5.010	95.29	92.13	140300.	384500.	40.14	F 2147000.	.8784
Stddev	.4313	.287	.60	9.11	1776.	1257.	.07	42030.	.3929
%RSD	59.30	5.719	.6279	9.886	1.266	.3268	.1799	1.957	44.73
#1	.7780	5.275	94.99	81.62	138300.	385700.	40.07	2133000.	1.298
#2	1.131	5.050	94.89	97.60	140800.	384500.	40.14	2195000.	.8178
#3	.2729	4.706	95.98	97.18	141800.	383200.	40.21	2114000.	.5193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.167	4.664	5.374	-3.318	-.7356	9.418	3.144	.1926	1274.
Stddev	1.607	1.690	5.014	.955	.1785	.492	.698	.4438	12.
%RSD	22.42	36.22	93.31	28.79	24.27	5.228	22.19	230.5	.9740
#1	5.507	6.293	11.15	-2.541	-.9410	9.975	2.505	.4132	1286.
#2	7.278	4.781	2.857	-4.384	-.6185	9.236	3.037	-.3183	1276.
#3	8.716	2.920	2.116	-3.028	-.6471	9.042	3.888	.4828	1261.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	545.3	604.2	2420.	.4658
Stddev	6.6	17.3	6.	1.776
%RSD	1.219	2.866	.2639	381.2
#1	546.6	605.0	2415.	-.7771
#2	551.2	621.0	2427.	2.500
#3	538.1	586.4	2418.	-.3251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20169.	34654.	12887.
Stddev	272.	728.	406.
%RSD	1.3500	2.1020	3.1513
#1	20048.	35486.	13350.
#2	19978.	34340.	12721.
#3	20481.	34135.	12591.

Sample Name: AN03596 X100 Acquired: 8/17/2011 19:23:33 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4136**	**-2.666**	**-22.84**	**2.578**	**3.047**	**.3117**	**5392.**	**.0469**	**.0239**	**-1.474**	**2.029**
Stddev	1.189	1.639	22.68	2.468	.561	.7480	17.	.0445	.1755	.522	.069
%RSD	287.4	61.50	99.32	95.76	18.41	240.0	.3230	94.79	735.6	35.41	3.383
#1	.9452	-4.521	-7.377	-.1476	2.404	.3864	5411.	.0904	.0892	-.9215	2.087
#2	-.9249	-2.062	-12.26	4.663	3.436	1.020	5389.	.0488	.1573	-1.959	1.953
#3	-1.261	-1.414	-48.88	3.217	3.301	-.4709	5376.	.0015	-.1750	-1.542	2.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.721**	**-3.362**	**5727.**	**16270.**	**1.641**	**148900.**	**.2647**	**.5087**	**8.687**	**2.404**	**-3.367**
Stddev	.590	6.695	140.	69.	.064	1057.	.4005	1.754	1.552	3.946	2.792
%RSD	21.67	199.2	2.441	.4221	3.920	.7101	151.3	344.8	17.87	164.2	82.93
#1	-2.428	-9.533	5882.	16330.	1.573	149800.	.3405	-1.511	6.965	6.061	-4.551
#2	-2.335	-4.307	5612.	16280.	1.651	149200.	-.1683	1.653	9.978	-1.778	-5.371
#3	-3.399	3.756	5685.	16200.	1.701	147700.	.6219	1.384	9.118	2.929	-.1777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6105**	**.3907**	**-.3821**	**-.5597**	**53.82**	**31.27**	**46.86**	**103.3**	**.2558**
Stddev	.4081	.1606	.5670	.3549	.95	5.67	27.48	.3	.9760
%RSD	66.85	41.11	148.4	63.41	1.757	18.14	58.65	.2422	381.5
#1	-.5223	.3975	-.6822	-.1791	52.95	27.16	73.82	103.5	-.8374
#2	-1.055	.5478	.2719	-.6185	54.82	37.74	47.89	103.4	1.039
#3	-.2537	.2268	-.7361	-.8816	53.67	28.90	18.88	103.0	.5655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23375.	39918.	13333.
Stddev	215.	492.	203.
%RSD	.92014	1.2317	1.5240
#1	23302.	40411.	13566.
#2	23206.	39915.	13235.
#3	23617.	39428.	13197.

Sample Name: CCV Acquired: 8/17/2011 19:28:13 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.7**	**5327.**	**4959.**	**195.3**	**201.5**	**184.5**	**5065.**	**201.1**	**191.8**	**214.8**	**208.9**
Stddev	1.3	30.	55.	4.5	.6	2.3	24.	.7	.3	1.2	.4
%RSD	.6476	.5569	1.109	2.312	.2893	1.240	.4689	.3325	.1313	.5380	.1981
#1	202.6	5323.	4925.	192.8	200.8	185.0	5038.	201.8	191.6	214.1	208.8
#2	203.2	5299.	5023.	192.6	201.6	182.0	5082.	201.0	192.0	216.2	208.6
#3	205.1	5358.	4930.	200.5	202.0	186.4	5075.	200.4	192.0	214.2	209.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5371.**	**5042.**	**5366.**	**5043.**	**214.2**	F **10050.**	**196.7**	**203.5**	**196.2**	**196.1**	**197.8**
Stddev	66.	17.	59.	30.	2.0	315.	.9	2.7	1.7	5.1	.9
%RSD	1.220	.3357	1.102	.5922	.9118	3.133	.4410	1.327	.8756	2.603	.4692
#1	5418.	5046.	5417.	5008.	215.4	10380.	197.6	205.2	195.6	199.7	198.2
#2	5296.	5024.	5379.	5060.	212.0	10020.	196.7	204.8	194.8	198.4	198.4
#3	5399.	5057.	5301.	5060.	215.3	9751.	195.9	200.4	198.1	190.2	196.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						5000.					
Range						20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**202.5**	**201.5**	**195.1**	**202.1**	**194.4**	**5161.**	**5035.**	**208.1**	**205.2**
Stddev	.2	.3	1.3	.2	.7	2.	19.	1.4	.4
%RSD	.1195	.1544	.6704	.1225	.3833	.0438	.3803	.6739	.2155
#1	202.8	201.2	194.7	202.1	194.7	5161.	5019.	209.6	204.7
#2	202.3	201.7	196.5	201.9	193.6	5158.	5031.	206.8	205.6
#3	202.5	201.8	194.0	202.4	195.0	5163.	5056.	207.9	205.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24377.**	**43048.**	**14670.**
Stddev	22.	550.	368.
%RSD	.09044	1.2784	2.5065
#1	24402.	42787.	14642.
#2	24362.	43681.	14317.
#3	24367.	42677.	15051.

Sample Name: CCB Acquired: 8/17/2011 19:32:46 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3579**	**-3.248**	**-23.89**	**-1.639**	**.6692**	**.3332**	**-2.617**	**-.0224**	**.0411**	**-.8815**	**1.333**
Stddev	.8738	.184	34.92	1.370	.5927	.4385	1.900	.2030	.2350	.3077	.593
%RSD	244.1	5.675	146.2	83.61	88.56	131.6	72.58	904.4	571.8	34.90	44.48
#1	.5799	-3.445	13.81	-.2166	.4545	.6001	-3.754	-.2053	-.2088	-1.202	1.884
#2	-1.149	-3.219	-30.36	-2.951	1.339	.5725	-3.674	-.0582	.0745	-.8548	1.409
#3	-.5045	-3.080	-55.12	-1.750	.2139	-.1729	-.4244	.1961	.2576	-.5881	.7056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.600**	**.4815**	**95.54**	**17.67**	**.1475**	**F 3380.**	**.4765**	**-.4857**	**.6216**	**-.2225**	**-1.461**
Stddev	.395	2.903	70.23	26.67	.0550	103.	.6984	.6747	4.816	.7932	2.881
%RSD	7.059	602.9	73.51	150.9	37.30	3.042	146.6	138.9	774.8	356.4	197.1
#1	-5.190	-1.189	141.8	-12.43	.1036	3496.	-.3209	.1944	3.827	.3650	-3.943
#2	-5.634	-1.200	14.73	38.33	.2092	3299.	.9789	-.4966	-4.916	-1.125	-2.138
#3	-5.978	3.834	130.1	27.13	.1296	3344.	.7716	-1.155	2.954	.0922	1.697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						1000.					
Low Limit						-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4481**	**-.0856**	**-.0086**	**-.4061**	**.3132**	**-.6490**	**2.376**	**-1.089**	**-.1010**
Stddev	.2956	.1396	.1750	.0839	.8524	1.341	14.46	.790	.8500
%RSD	65.96	163.0	2035.	20.66	272.1	206.7	608.4	72.53	841.3
#1	-.4358	-.2086	-.1094	-.3165	-.6707	-2.152	-13.18	-1.718	-1.049
#2	-.7496	-.1144	.1935	-.4827	.8262	.4262	15.41	-.2025	.1527
#3	-.1589	.0661	-.1099	-.4191	.7841	-.2214	4.898	-1.346	.5932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23821.**	**43712.**	**15203.**
Stddev	419.	424.	139.
%RSD	1.7600	.97099	.91318
#1	23627.	43434.	15218.
#2	23534.	44200.	15058.
#3	24302.	43501.	15334.

Sample Name: AN03597 X2 Acquired: 8/17/2011 19:37:29 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5436	-33.46	F -95.48	4.127	12.31	.9795	121900.	-.1349	.5182
Stddev	.8224	1.81	4.24	1.436	.39	.1152	143.	.0387	.3540
%RSD	151.3	5.420	4.445	34.80	3.134	11.76	.1171	28.70	68.31
#1	-1.264	-33.60	-94.37	3.900	12.43	1.025	122000.	-.1595	.5213
#2	-.7189	-31.58	-100.2	5.664	11.88	1.065	122000.	-.0903	.8706
#3	.3523	-35.20	-91.90	2.819	12.63	.8485	121700.	-.1549	.1627
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1373	3.717	-4.029	1.981	131000.	369800.	34.03	F 2234000.	1.341
Stddev	.9507	.456	.706	5.385	1657.	1170.	.18	29500.	.419
%RSD	692.3	12.26	17.53	271.9	1.265	.3164	.5418	1.321	31.26
#1	1.139	3.352	-4.688	1.716	129200.	371000.	34.24	2267000.	1.698
#2	.0255	4.228	-4.117	-3.267	131200.	369500.	33.90	2222000.	.8792
#3	-.7525	3.570	-3.283	7.494	132500.	368700.	33.96	2212000.	1.445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.258	4.278	2.105	-2.731	-.5272	7.608	3.251	-.9919	1243.
Stddev	1.385	3.943	2.758	.697	1.045	.060	.361	.2209	9.
%RSD	110.1	92.17	131.0	25.52	198.2	.7907	11.11	22.27	.6844
#1	2.847	1.577	-.5534	-2.630	-1.090	7.543	3.656	-.7527	1253.
#2	.3057	8.804	4.952	-3.473	.6784	7.661	2.963	-1.035	1240.
#3	.6213	2.454	1.916	-2.090	-1.170	7.620	3.135	-1.188	1238.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	432.0	465.3	2334.	1.188
Stddev	2.3	20.4	2.	.441
%RSD	.5432	4.379	.1051	37.14
#1	434.0	486.5	2331.	.6891
#2	429.4	463.8	2336.	1.348
#3	432.5	445.8	2335.	1.527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20418.	34924.	13741.
Stddev	158.	124.	229.
%RSD	.77217	.35455	1.6642
#1	20554.	35010.	13979.
#2	20245.	34980.	13722.
#3	20454.	34782.	13523.

Sample Name: AN03598 X2 Acquired: 8/17/2011 19:42:18 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3908	6.004	F -53.97	7.236	13.84	.9077	121900.	.1127	-.2525
Stddev	.6734	1.988	22.10	8.780	1.00	.1516	213.	.1935	.2246
%RSD	172.3	33.11	40.95	121.3	7.219	16.70	.1746	171.7	88.92
#1	-.7107	7.135	-53.44	11.42	12.87	1.069	122100.	.3296	-.1808
#2	.3830	3.709	-32.14	13.14	13.78	.8853	121700.	.0508	-.0726
#3	-.8446	7.169	-76.33	-2.854	14.87	.7685	122000.	-.0424	-.5042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9721	3.369	116.6	111.4	134900.	370400.	40.60	F 2123000.	1.459
Stddev	.7589	.114	1.8	4.8	1719.	588.	.18	66140.	.203
%RSD	78.07	3.386	1.519	4.277	1.274	.1586	.4320	3.115	13.94
#1	1.723	3.469	114.6	106.0	133100.	370900.	40.43	2199000.	1.328
#2	.2051	3.245	116.9	115.1	135200.	370700.	40.58	2088000.	1.357
#3	.9886	3.393	118.1	113.2	136500.	369800.	40.78	2082000.	1.694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.528	4.510	4.338	-3.965	-.3030	7.362	3.203	.3415	1223.
Stddev	2.999	5.346	5.757	2.558	.7888	.224	.361	.2115	6.
%RSD	54.25	118.5	132.7	64.52	260.3	3.046	11.28	61.92	.5273
#1	3.031	6.776	10.95	-1.806	-.7527	7.558	3.293	.5429	1228.
#2	4.699	-1.596	1.582	-3.297	.6078	7.409	2.806	.3604	1225.
#3	8.854	8.350	.4776	-6.790	-.7641	7.117	3.511	.1212	1216.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	564.4	620.6	2328.	1.251
Stddev	10.1	33.5	17.	1.905
%RSD	1.780	5.397	.7510	152.3
#1	561.5	585.3	2319.	3.421
#2	556.2	624.6	2316.	-.1483
#3	575.6	651.9	2348.	.4807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19911.	34101.	12757.
Stddev	492.	941.	266.
%RSD	2.4688	2.7586	2.0866
#1	20251.	34637.	12867.
#2	20135.	34652.	12952.
#3	19348.	33015.	12454.

Sample Name: AN03599 X2 Acquired: 8/17/2011 19:47:07 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0563	-32.37	F -110.5	3.847	13.82	1.294	123900.	.0170	.6048
Stddev	1.334	2.34	22.1	7.697	.99	.621	317.	.1064	.6865
%RSD	2370.	7.243	20.04	200.1	7.131	47.97	.2556	625.5	113.5
#1	1.272	-30.27	-108.6	12.73	13.18	1.639	124100.	-.0977	1.317
#2	.2670	-34.90	-133.6	-.9176	13.33	.5772	124100.	.0363	.5494
#3	-1.370	-31.94	-89.42	-.2689	14.96	1.665	123500.	.1124	-.0522
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.585	1.920	-5.299	-1.895	138300.	374000.	36.21	F 2161000.	.3339
Stddev	1.215	.808	.484	1.432	1647.	816.	.22	28270.	.6571
%RSD	76.70	42.10	9.142	75.57	1.191	.2182	.6041	1.308	196.8
#1	.2106	2.434	-5.241	-2.130	136600.	374600.	35.97	2154000.	.2648
#2	2.519	2.338	-5.810	-.3598	138500.	374300.	36.40	2192000.	1.023
#3	2.024	.9884	-4.846	-3.194	139900.	373100.	36.26	2137000.	-.2859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.864	1.863	6.836	-3.905	-.7278	5.655	2.764	-1.256	1228.
Stddev	.674	5.685	2.125	.520	.7196	.055	.434	.059	10.
%RSD	36.14	305.1	31.09	13.32	98.87	.9777	15.71	4.683	.8475
#1	1.853	6.113	5.602	-4.184	-.3668	5.612	3.150	-1.324	1236.
#2	1.195	-4.595	5.616	-3.305	-1.556	5.636	2.849	-1.218	1232.
#3	2.542	4.071	9.290	-4.226	-.2602	5.718	2.294	-1.226	1217.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	457.1	498.8	2393.	1.365
Stddev	1.4	10.4	7.	1.205
%RSD	.2965	2.079	.2720	88.25
#1	455.6	486.8	2386.	2.739
#2	458.2	505.1	2394.	.8671
#3	457.5	504.5	2399.	.4890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19438.	33045.	12154.
Stddev	256.	315.	318.
%RSD	1.3189	.95319	2.6154
#1	19570.	33025.	12427.
#2	19602.	33369.	12230.
#3	19143.	32740.	11805.

Sample Name: AN03600 X2 Acquired: 8/17/2011 19:51:56 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.297**	**3.445**	F **-70.59**	**6.889**	**13.63**	**1.130**	**122000.**	**-.1164**	**.0771**
Stddev	.467	.566	16.67	4.661	.66	.761	96.	.1072	.3612
%RSD	35.98	16.44	23.62	67.66	4.862	67.35	.0784	92.08	468.8
#1	-.9209	3.592	-67.08	1.954	13.08	.2532	122000.	-.1336	.4004
#2	-1.819	3.923	-55.96	7.495	14.37	1.619	122200.	-.2140	-.3128
#3	-1.150	2.819	-88.74	11.22	13.46	1.518	122000.	-.0017	.1436
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.206**	**3.261**	**108.5**	**97.13**	**136800.**	**367000.**	**40.43**	F **2180000.**	**1.191**
Stddev	.624	.824	1.5	3.21	1741.	1095.	.29	16580.	.713
%RSD	51.69	25.25	1.407	3.307	1.272	.2985	.7097	.7606	59.89
#1	1.861	3.908	110.2	99.49	135100.	368200.	40.58	2175000.	1.826
#2	1.138	2.334	108.2	98.42	136800.	366000.	40.61	2166000.	1.328
#3	.6198	3.542	107.2	93.47	138600.	366700.	40.10	2198000.	.4192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.829**	**9.183**	**1.852**	**-4.742**	**-.4829**	**7.261**	**2.868**	**.8167**	**1211.**
Stddev	1.983	2.535	.867	2.650	.3957	.226	.721	.1306	2.
%RSD	51.80	27.60	46.82	55.88	81.94	3.118	25.14	15.99	.1884
#1	4.543	7.385	1.038	-7.503	-.5996	7.226	3.405	.6760	1211.
#2	1.588	8.083	1.755	-4.506	-.8072	7.054	3.150	.8400	1209.
#3	5.357	12.08	2.764	-2.218	-.0420	7.503	2.049	.9342	1214.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**535.9**	**581.2**	**2355.**	**2.185**
Stddev	8.6	33.6	2.	1.883
%RSD	1.603	5.788	.0810	86.15
#1	526.7	578.4	2353.	2.355
#2	543.7	549.1	2356.	3.977
#3	537.4	616.2	2356.	.2236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19473.	33053.	11944.
Stddev	232.	121.	197.
%RSD	1.1908	.36594	1.6511
#1	19729.	33192.	12102.
#2	19277.	32978.	12007.
#3	19412.	32988.	11723.

Sample Name: AN03601 X2 Acquired: 8/17/2011 19:56:44 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4828	-34.47	F -68.19	4.372	13.69	1.466	122800.	-.1352	-.0592
Stddev	.1898	.69	1.70	6.526	1.11	.216	152.	.2856	.2325
%RSD	39.31	2.000	2.492	149.3	8.103	14.71	.1239	211.2	392.9
#1	-.6192	-34.70	-66.56	3.253	13.64	1.310	122900.	-.1964	.0412
#2	-.5631	-35.01	-68.05	-1.523	14.83	1.377	122600.	-.3852	.1063
#3	-.2660	-33.69	-69.95	11.38	12.61	1.712	122800.	.1760	-.3250
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2892	3.429	-5.651	-4.452	141200.	369100.	33.64	F 2159000.	1.354
Stddev	.8835	.883	.641	6.019	1714.	1224.	.32	34020.	.593
%RSD	305.5	25.76	11.34	135.2	1.214	.3316	.9458	1.576	43.81
#1	.7232	3.669	-6.360	1.162	139300.	370300.	33.29	2165000.	.6887
#2	-.9046	4.167	-5.482	-10.81	141600.	369000.	33.89	2190000.	1.828
#3	-.6863	2.450	-5.112	-3.712	142700.	367900.	33.75	2122000.	1.544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.404	2.485	.0433	-3.909	-.6437	5.952	3.681	-1.422	1214.
Stddev	2.476	7.175	3.644	1.450	.4854	.079	.307	.329	3.
%RSD	72.73	288.7	8417.	37.11	75.41	1.322	8.329	23.13	.2668
#1	5.263	7.942	1.035	-5.127	-.1276	6.036	4.005	-1.043	1216.
#2	.5935	5.156	3.088	-4.296	-.7125	5.879	3.395	-1.639	1215.
#3	4.356	-5.641	-3.994	-2.304	-1.091	5.942	3.642	-1.582	1210.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	426.2	459.1	2402.	.5292
Stddev	6.4	14.2	12.	.3776
%RSD	1.512	3.087	.4992	71.36
#1	422.1	473.8	2389.	.9360
#2	422.8	458.0	2404.	.1897
#3	433.6	445.5	2413.	.4619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19020.	32236.	11072.
Stddev	360.	400.	51.
%RSD	1.8928	1.2410	.45718
#1	19282.	32681.	11123.
#2	19168.	32122.	11022.
#3	18609.	31905.	11071.

Sample Name: AN03602 X2 Acquired: 8/17/2011 20:01:33 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.646**	**1.590**	**-29.21**	**6.543**	**14.17**	**1.312**	**123100.**	**-.0715**	**-.0687**
Stddev	.448	1.979	33.71	5.170	.69	.512	249.	.2197	.1035
%RSD	27.19	124.5	115.4	79.02	4.885	38.99	.2019	307.4	150.7
#1	-1.533	-.4665	-64.94	.8583	14.16	.7851	123400.	.0558	-.1401
#2	-2.139	1.756	-24.74	7.807	14.87	1.345	123000.	.0550	.0500
#3	-1.266	3.480	2.044	10.96	13.49	1.807	122900.	-.3252	-.1159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0274**	**4.016**	**106.0**	**100.9**	**142500.**	**367600.**	**41.08**	F **2084000.**	**1.774**
Stddev	1.301	.813	1.0	4.4	1569.	1648.	.29	38870.	.174
%RSD	4747.	20.25	.9315	4.316	1.101	.4484	.7138	1.865	9.824
#1	-.4803	3.083	104.9	98.96	140800.	369500.	40.82	2051000.	1.907
#2	1.440	4.390	106.7	105.9	142700.	366800.	41.03	2127000.	1.837
#3	-1.042	4.575	106.4	97.89	143900.	366600.	41.40	2075000.	1.577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.863**	**5.069**	**8.359**	**-3.302**	**-1.016**	**7.226**	**2.930**	**.1343**	**1213.**
Stddev	2.912	5.102	2.087	.983	.711	.059	.303	.7997	7.
%RSD	59.89	100.6	24.96	29.77	69.97	.8205	10.34	595.5	.5829
#1	7.077	-.5700	8.962	-4.278	-.1954	7.295	3.002	.3849	1221.
#2	1.564	6.413	10.08	-3.316	-1.407	7.198	3.191	.7787	1210.
#3	5.949	9.365	6.037	-2.312	-1.446	7.187	2.598	-.7607	1208.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**547.2**	**592.0**	**2412.**	**2.756**
Stddev	5.8	28.3	3.	4.010
%RSD	1.061	4.776	.1190	145.5
#1	541.3	599.5	2409.	1.947
#2	547.4	615.8	2412.	7.108
#3	552.9	560.8	2415.	-.7885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**19141.**	**32015.**	**11022.**
Stddev	264.	504.	66.
%RSD	1.3778	1.5754	.60023
#1	19343.	32598.	11010.
#2	18843.	31731.	10963.
#3	19238.	31717.	11094.

Sample Name: AN03603 X2 Acquired: 8/17/2011 20:06:22 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.021**	**-34.98**	F **-112.9**	**1.932**	**14.81**	**1.105**	**121400.**	**.2942**	**.3784**
Stddev	.240	1.46	27.0	5.092	.56	.145	346.	.2164	.3598
%RSD	23.46	4.179	23.92	263.6	3.792	13.08	.2845	73.55	95.06
#1	-1.279	-36.64	-132.0	7.810	15.14	1.178	121600.	.5420	.1399
#2	-.8045	-34.44	-124.6	-.9055	15.13	.9388	121000.	.1980	.2032
#3	-.9810	-33.87	-81.99	-1.109	14.16	1.199	121700.	.1426	.7923
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2048**	**4.134**	**-5.729**	**-1.214**	**142300.**	**364200.**	**34.86**	F **2109000.**	**1.987**
Stddev	.3204	.127	.852	6.005	1864.	2484.	.26	51870.	.973
%RSD	156.4	3.061	14.86	494.5	1.309	.6821	.7376	2.460	48.97
#1	-.5084	4.215	-4.853	-.9287	140300.	366100.	34.58	2069000.	1.426
#2	.1301	3.988	-5.782	-7.357	142800.	365000.	34.90	2089000.	1.424
#3	-.2361	4.200	-6.554	4.643	143900.	361400.	35.09	2167000.	3.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.511**	**3.638**	**4.064**	**-5.027**	**-.5502**	**5.719**	**2.840**	**-1.511**	**1200.**
Stddev	1.698	5.722	3.368	1.902	.8962	.192	1.194	.474	5.
%RSD	48.34	157.3	82.88	37.83	162.9	3.360	42.06	31.38	.4386
#1	1.606	4.800	7.752	-4.866	.4345	5.573	1.968	-1.151	1205.
#2	4.862	-2.575	3.288	-3.210	-.7670	5.937	4.201	-2.048	1199.
#3	4.066	8.690	1.151	-7.004	-1.318	5.648	2.350	-1.333	1195.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**425.9**	**451.7**	**2409.**	**1.163**
Stddev	9.7	7.1	12.	2.170
%RSD	2.288	1.577	.4882	186.5
#1	417.7	443.7	2396.	-.3930
#2	436.7	457.4	2418.	.2417
#3	423.4	453.9	2414.	3.642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**18938.**	**31474.**	**10816.**
Stddev	140.	192.	202.
%RSD	.73968	.60885	1.8636
#1	19071.	31476.	10958.
#2	18951.	31664.	10906.
#3	18792.	31281.	10586.

Sample Name: AN03604 X2 Acquired: 8/17/2011 20:11:10 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.382**	**28.52**	**23.18**	**1.536**	**14.53**	**1.367**	**120600.**	**.1234**	**-.2348**
Stddev	1.064	.78	15.25	2.105	.59	.189	735.	.0552	.2126
%RSD	76.98	2.731	65.79	137.1	4.031	13.84	.6088	44.71	90.52
#1	-1.485	28.28	38.33	1.210	14.10	1.574	119800.	.1533	-.2123
#2	-2.390	27.89	23.37	-.3874	15.20	1.203	121300.	.0597	-.0344
#3	-.2703	29.39	7.834	3.785	14.30	1.325	120800.	.1571	-.4577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0989**	**5.230**	**185.0**	**177.9**	**142700.**	**361800.**	**43.37**	F **2077000.**	**1.786**
Stddev	1.294	.700	1.2	3.5	2535.	1159.	.37	22230.	.786
%RSD	1309.	13.38	.6320	1.950	1.776	.3203	.8637	1.070	44.03
#1	1.263	6.002	185.1	176.7	139800.	362600.	43.47	2062000.	1.936
#2	-1.313	4.639	183.8	181.9	143700.	362200.	42.96	2067000.	2.485
#3	-.2460	5.047	186.1	175.2	144600.	360500.	43.69	2103000.	.9349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.212**	**7.259**	**2.726**	**-7.545**	**.3553**	**7.805**	**2.821**	**1.253**	**1197.**
Stddev	1.526	4.213	3.184	1.850	.2950	.256	.418	.308	2.
%RSD	36.23	58.03	116.8	24.52	83.04	3.286	14.81	24.57	.1925
#1	5.238	11.72	3.398	-6.925	.1124	7.521	2.723	1.265	1199.
#2	4.940	3.352	5.521	-9.626	.6836	8.019	3.279	.9391	1198.
#3	2.458	6.703	-.7402	-6.085	.2699	7.875	2.462	1.554	1194.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**610.8**	**654.6**	**2371.**	**1.612**
Stddev	4.2	13.3	7.	1.312
%RSD	.6862	2.027	.3013	81.36
#1	610.0	647.1	2367.	.1713
#2	607.0	646.8	2366.	1.929
#3	615.3	670.0	2379.	2.738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**18682.**	**31467.**	**10680.**
Stddev	95.	505.	317.
%RSD	.50934	1.6042	2.9661
#1	18653.	31924.	11045.
#2	18605.	31552.	10523.
#3	18788.	30925.	10472.

Sample Name: AN03605 X2 Acquired: 8/17/2011 20:15:59 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8977	-33.49	F -101.9	2.000	13.96	1.572	118900.	.2911	.3762
Stddev	1.028	3.45	45.8	5.062	.45	.319	234.	.1474	.4704
%RSD	114.5	10.30	44.96	253.1	3.224	20.27	.1969	50.66	125.0
#1	.2818	-31.25	-117.4	4.960	13.74	1.581	119000.	.1667	.8820
#2	-1.598	-31.76	-50.36	4.884	13.66	1.887	119100.	.4539	.2946
#3	-1.377	-37.46	-138.0	-3.845	14.48	1.249	118600.	.2526	-.0481
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4551	3.609	-3.335	2.156	141400.	353100.	33.71	F 2061000.	1.089
Stddev	.7147	.334	.828	7.271	2123.	905.	.45	36230.	.648
%RSD	157.0	9.242	24.84	337.3	1.502	.2564	1.330	1.758	59.52
#1	.2307	3.264	-2.459	2.306	139200.	354100.	34.21	2054000.	1.091
#2	-.4004	3.632	-4.106	-5.189	141600.	352700.	33.56	2028000.	.4403
#3	-1.196	3.930	-3.439	9.351	143400.	352400.	33.35	2100000.	1.737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.660	4.049	8.455	-6.473	-1.159	5.779	3.285	-1.354	1170.
Stddev	2.111	.650	3.640	.152	.895	.224	.344	.257	1.
%RSD	79.36	16.06	43.05	2.350	77.19	3.879	10.48	18.95	.0887
#1	.5560	4.230	9.748	-6.625	-.8325	5.635	3.678	-1.529	1170.
#2	4.778	4.590	4.346	-6.321	-.4735	6.037	3.138	-1.473	1171.
#3	2.646	3.327	11.27	-6.472	-2.171	5.665	3.038	-1.059	1169.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	411.1	461.3	2341.	-.2261
Stddev	8.4	1.6	3.	.7058
%RSD	2.051	.3543	.1346	312.1
#1	403.7	460.0	2344.	-.5246
#2	409.3	463.1	2342.	.5799
#3	420.3	460.8	2338.	-.7337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	18686.	31298.	10427.
Stddev	122.	534.	271.
%RSD	.65412	1.7061	2.5946
#1	18569.	31898.	10701.
#2	18813.	31123.	10422.
#3	18676.	30874.	10160.

Sample Name: AN03605.X100 Acquired: 8/17/2011 20:20:47 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.596	-4.024	-18.31	2.246	3.847	.6540	5102.	.0940	-.0715	-2.234	2.440
Stddev	1.113	3.040	5.77	2.764	.447	.2618	57.	.0488	.2672	1.346	1.180
%RSD	69.75	75.53	31.49	123.0	11.63	40.04	1.115	51.94	373.8	60.23	48.38
#1	-.9403	-3.556	-12.09	5.082	4.349	.9430	5037.	.0985	.1411	-3.305	2.881
#2	-.9668	-7.271	-19.38	2.097	3.493	.5864	5129.	.1404	.0159	-2.673	3.335
#3	-2.882	-1.246	-23.47	-.4394	3.698	.4325	5141.	.0431	-.3715	-.7239	1.102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.943	4.942	5900.	15030.	1.350	148500.	.5440	3.393	5.483	-.0034	-5.265
Stddev	.328	5.647	67.	61.	.100	900.	.0661	3.946	4.226	6.652	.596
%RSD	4.723	114.3	1.138	.4081	7.386	.6060	12.16	116.3	77.07	196500.	11.33
#1	-7.075	5.114	5838.	14970.	1.274	149500.	.4704	7.945	1.603	5.259	-5.949
#2	-7.183	-.7885	5892.	15040.	1.312	148100.	.5984	1.298	9.986	-7.480	-4.853
#3	-6.569	10.50	5971.	15090.	1.463	147900.	.5631	.9351	4.860	2.211	-4.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.115	-.1333	-.5937	-.9539	48.84	22.57	48.21	100.8	1.718
Stddev	.690	.1238	.3825	.3303	1.70	.77	7.16	1.4	.289
%RSD	61.92	92.83	64.42	34.63	3.470	3.429	14.84	1.369	16.82
#1	-.3935	-.1928	-1.020	-.9138	50.54	22.38	50.23	100.4	2.025
#2	-1.181	-.2161	-.4805	-.6454	48.84	23.42	54.14	102.3	1.677
#3	-1.769	.0090	-.2806	-1.302	47.15	21.91	40.27	99.61	1.451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	21973.	35878.	10691.
Stddev	524.	25.	24.
%RSD	2.3869	.06976	.22604
#1	21691.	35906.	10677.
#2	21649.	35868.	10676.
#3	22578.	35859.	10719.

Sample Name: CCV Acquired: 8/17/2011 20:25:26 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.5**	**5492.**	**4998.**	**196.4**	**205.1**	**176.7**	**5007.**	**203.0**	**190.7**	**211.3**	**203.6**
Stddev	9.7	223.	12.	1.8	1.0	.3	12.	.9	1.0	9.2	9.1
%RSD	4.843	4.061	.2302	.9129	.4725	.1538	.2408	.4462	.5409	4.352	4.466
#1	188.4	5244.	4987.	195.7	204.3	176.8	4995.	204.1	191.7	200.8	193.1
#2	206.3	5675.	5010.	198.5	206.2	176.4	5019.	202.5	189.7	215.1	209.0
#3	203.8	5557.	4997.	195.1	204.7	177.0	5008.	202.5	190.8	218.0	208.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5231.**	**4907.**	**5710.**	**4925.**	**208.8**	**F 14160.**	**196.8**	**207.5**	**193.9**	**203.9**	**198.9**
Stddev	197.	7.	53.	16.	7.8	608.	.6	4.7	4.2	1.9	1.9
%RSD	3.765	.1415	.9323	.3154	3.731	4.291	.3042	2.249	2.173	.9183	.9769
#1	5004.	4915.	5738.	4943.	199.8	14780.	196.3	204.3	193.8	202.0	201.1
#2	5360.	4904.	5744.	4917.	213.8	14150.	196.7	212.8	189.8	205.8	197.4
#3	5328.	4902.	5649.	4915.	212.8	13560.	197.4	205.3	198.2	203.9	198.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						5000.					
Range						20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**197.4**	**202.4**	**194.9**	**196.4**	**187.2**	**5089.**	**4935.**	**206.1**	**208.0**
Stddev	9.0	1.3	1.1	8.0	2.5	227.	10.	8.9	3.3
%RSD	4.549	.6540	.5837	4.069	1.336	4.450	.2120	4.306	1.607
#1	187.0	203.9	196.3	187.2	188.3	4830.	4925.	195.9	210.5
#2	203.4	201.8	194.2	201.2	184.3	5247.	4935.	212.0	209.3
#3	201.6	201.5	194.3	200.9	188.9	5191.	4946.	210.3	204.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22748.**	**40082.**	**12363.**
Stddev	19.	737.	196.
%RSD	.08430	1.8398	1.5886
#1	22742.	40575.	12172.
#2	22769.	39234.	12352.
#3	22732.	40436.	12565.

Sample Name: CCB Acquired: 8/17/2011 20:30:00 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1709	-2.497	-16.68	.8592	1.705	.4067	-6.793	-.0850	.0702	-1.277	1.344
Stddev	.5836	1.169	27.18	1.374	.625	.4960	4.506	.1962	.2788	.975	.298
%RSD	341.5	46.83	163.0	159.9	36.65	122.0	66.33	230.8	396.9	76.36	22.17
#1	.0288	-3.151	-46.47	1.378	1.002	.3573	-11.80	-.1383	.1455	-2.225	1.078
#2	.2867	-3.194	6.786	-.6989	1.916	-.0628	-5.513	.1324	-.2384	-1.328	1.665
#3	-.8282	-1.147	-10.36	1.898	2.198	.9255	-3.065	-.2491	.3036	-.2772	1.288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.690	.2155	163.9	3.553	-.0108	F 5662.	-.2394	.5398	3.950	2.867	-2.496
Stddev	.038	3.125	62.4	26.39	.0404	180.	.5066	2.877	2.226	1.218	2.113
%RSD	.5656	1450.	38.08	742.9	375.2	3.173	211.6	533.0	56.34	42.50	84.66
#1	-6.655	-2.484	198.6	27.30	-.0091	5832.	-.3655	2.715	1.386	1.525	-2.416
#2	-6.730	-.5094	91.86	-24.86	.0288	5680.	.3184	1.627	5.386	3.904	-4.649
#3	-6.685	3.640	201.3	8.218	-.0520	5474.	-.6710	-2.723	5.077	3.172	-.4241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						1000.					
Low Limit						-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1395	.0098	.3144	-.4957	.6520	1.108	-3.410	-.3028	1.409
Stddev	.2258	.2521	.0858	.3431	1.730	3.109	25.31	1.641	1.589
%RSD	161.9	2576.	27.28	69.20	265.3	280.4	742.3	541.9	112.8
#1	-.2284	.1940	.2422	-.1009	2.563	4.437	25.37	-1.659	1.844
#2	-.3073	-.2775	.4092	-.7205	-.8083	-1.720	-13.38	-.7705	-.3519
#3	.1172	.1129	.2918	-.6658	.2018	.6082	-22.22	1.521	2.735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24199.	43417.	14881.
Stddev	309.	433.	199.
%RSD	1.2764	.99730	1.3351
#1	23962.	43639.	15108.
#2	24548.	42918.	14794.
#3	24086.	43693.	14740.

Sample Name: AN03606 X2 Acquired: 8/17/2011 20:34:43 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3531	58.95	47.72	1.846	13.23	.8741	123900.	-.1290	-.5152
Stddev	1.058	1.18	16.48	3.199	.54	.1448	396.	.0897	.3231
%RSD	299.7	2.005	34.54	173.3	4.074	16.57	.3194	69.51	62.72
#1	-.0366	60.27	48.97	5.530	12.92	.8690	124300.	-.1200	-.2630
#2	.5106	58.57	30.64	.2480	12.92	.7319	124000.	-.0442	-.4032
#3	-1.533	58.00	63.53	-.2397	13.86	1.021	123500.	-.2229	-.8795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.858	4.233	282.2	253.3	137400.	372700.	47.93	F 2291000.	1.625
Stddev	.282	.602	.8	3.9	1859.	1249.	.12	31710.	.394
%RSD	15.16	14.23	.2853	1.530	1.353	.3351	.2454	1.384	24.22
#1	1.540	3.561	282.8	251.0	135400.	373900.	48.05	2255000.	1.585
#2	2.076	4.414	282.5	257.8	137800.	372900.	47.82	2316000.	1.253
#3	1.960	4.724	281.3	251.2	139100.	371400.	47.92	2302000.	2.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.342	5.348	2.061	-2.515	-.1247	8.003	3.153	2.851	1260.
Stddev	2.181	1.960	3.143	2.516	.9594	.177	.583	.168	7.
%RSD	93.11	36.64	152.5	100.1	769.5	2.209	18.49	5.885	.5512
#1	2.117	7.611	4.110	.1404	-.7688	8.053	3.429	3.037	1268.
#2	4.627	4.202	3.631	-2.820	.9780	8.150	2.483	2.710	1257.
#3	.2829	4.232	-1.557	-4.864	-.5833	7.807	3.546	2.806	1256.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	695.0	722.4	2398.	.7346
Stddev	6.9	15.0	6.	.7883
%RSD	.9972	2.084	.2577	107.3
#1	688.7	713.9	2393.	1.641
#2	693.9	713.5	2395.	.3537
#3	702.4	739.8	2405.	.2092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20177.	34568.	13421.
Stddev	217.	203.	623.
%RSD	1.0758	.58586	4.6426
#1	20350.	34717.	14110.
#2	20248.	34338.	13256.
#3	19934.	34650.	12897.

Sample Name: AN03607 X2 Acquired: 8/17/2011 20:39:31 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8348	-32.42	F -106.1	3.612	12.35	1.070	123900.	.0229	.8851
Stddev	.7101	1.07	17.9	1.008	.91	.230	386.	.1009	.2135
%RSD	85.06	3.292	16.89	27.90	7.410	21.50	.3118	439.7	24.12
#1	-1.018	-33.04	-122.3	2.516	12.79	1.335	123700.	.1054	.8288
#2	-.0512	-31.19	-109.1	3.823	11.29	.9235	124300.	-.0895	.7054
#3	-1.436	-33.03	-86.85	4.498	12.95	.9506	123600.	.0529	1.121
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5870	3.244	-3.169	-.7394	140200.	375000.	34.24	F 2229000.	2.027
Stddev	.2366	.844	.344	6.770	1544.	885.	.37	62580.	1.257
%RSD	40.30	26.02	10.85	915.7	1.101	.2360	1.088	2.808	62.03
#1	.7670	2.610	-2.815	-8.174	138600.	375800.	34.64	2293000.	2.758
#2	.3191	4.202	-3.502	.8849	140400.	375100.	33.90	2167000.	.5750
#3	.6750	2.921	-3.191	5.071	141700.	374000.	34.19	2227000.	2.747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.244	10.91	.9899	-1.643	-.7138	5.761	3.461	-1.208	1266.
Stddev	4.199	4.47	.9884	.668	.7804	.158	.407	.143	2.
%RSD	129.5	40.98	99.85	40.66	109.3	2.741	11.76	11.86	.1588
#1	2.521	15.15	.0528	-1.313	-1.615	5.681	3.862	-1.052	1266.
#2	7.758	11.34	.8941	-1.204	-.2427	5.943	3.048	-1.238	1267.
#3	-.5475	6.241	2.023	-2.412	-.2840	5.659	3.473	-1.333	1263.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	409.2	432.5	2388.	.2783
Stddev	3.0	18.2	14.	1.107
%RSD	.7266	4.214	.5997	397.8
#1	412.5	432.3	2404.	1.388
#2	408.6	450.9	2376.	-.8263
#3	406.6	414.4	2383.	.2730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20228.	34925.	13096.
Stddev	122.	183.	359.
%RSD	.60120	.52395	2.7427
#1	20255.	35137.	13221.
#2	20335.	34824.	13376.
#3	20096.	34815.	12691.

Sample Name: AN03608 X2 Acquired: 8/17/2011 20:44:20 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2710**	**-1.332**	**-33.78**	**2.993**	**13.13**	**.6884**	**121200.**	**-.0067**	**.4664**
Stddev	.3925	.692	36.46	2.828	.44	.7634	798.	.1842	.6107
%RSD	144.8	51.91	107.9	94.50	3.351	110.9	.6584	2761.	130.9
#1	-.6987	-1.535	-1.255	5.867	13.15	.5073	121200.	-.0269	.1008
#2	.0727	-.5621	-73.19	2.898	12.68	.0317	122000.	-.1799	.1270
#3	-.1869	-1.900	-26.88	.2132	13.56	1.526	120400.	.1869	1.171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9863**	**3.049**	**86.80**	**79.37**	**138900.**	**367400.**	**36.95**	**F 2156000.**	**2.111**
Stddev	.7104	2.031	.57	2.37	1580.	938.	.27	13990.	.795
%RSD	72.03	66.61	.6510	2.985	1.138	.2554	.7207	.6489	37.69
#1	.9328	3.973	86.78	79.53	137100.	367300.	36.72	2165000.	2.237
#2	.3041	4.454	87.37	81.66	139500.	368400.	37.24	2140000.	1.260
#3	1.722	.7203	86.24	76.93	140000.	366600.	36.90	2164000.	2.835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.615**	**3.388**	**5.646**	**-4.876**	**-.4971**	**6.773**	**3.797**	**.2775**	**1242.**
Stddev	3.691	3.132	5.106	1.551	.7805	.186	.239	.5261	7.
%RSD	228.5	92.45	90.45	31.80	157.0	2.749	6.295	189.6	.5273
#1	5.517	4.325	1.630	-5.699	.1191	6.745	3.528	-.1055	1249.
#2	-1.822	-.1056	11.39	-3.087	-1.375	6.971	3.983	.8773	1242.
#3	1.151	5.945	3.914	-5.842	-.2357	6.602	3.881	.0606	1236.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**500.8**	**517.8**	**2368.**	**.2659**
Stddev	3.1	15.7	9.	.5395
%RSD	.6255	3.035	.3676	202.9
#1	499.7	501.2	2358.	-.1113
#2	504.3	532.5	2372.	.8839
#3	498.4	519.7	2374.	.0252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20189.**	**34774.**	**12958.**
Stddev	385.	568.	140.
%RSD	1.9080	1.6343	1.0819
#1	20288.	35430.	12964.
#2	20515.	34442.	13095.
#3	19763.	34449.	12815.

Sample Name: AN03608 X100 Acquired: 8/17/2011 20:49:09 Type: Unk
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7220**	**-5.445**	**-30.81**	**.8647**	**1.533**	**.2869**	**5134.**	**-.1297**	**-.0971**	**-.5975**	**1.518**
Stddev	1.008	1.057	38.17	4.189	.526	.2872	31.	.0653	.1680	.8143	1.307
%RSD	139.7	19.41	123.9	484.5	34.28	100.1	.6028	50.36	172.9	136.3	86.14
#1	-.0436	-5.115	-.1558	-3.726	1.665	.3757	5170.	-.0618	-.0913	-1.205	.8558
#2	-.2417	-4.593	-73.56	4.481	1.981	-.0341	5113.	-.1353	.0678	.3279	.6736
#3	-1.881	-6.628	-18.72	1.839	.9544	.5192	5119.	-.1920	-.2679	-.9156	3.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.286**	**1.481**	**5771.**	**15680.**	**1.359**	**149300.**	**.1949**	**1.524**	**2.426**	**-.0030**	**-2.632**
Stddev	.097	5.736	102.	57.	.122	924.	.4449	.091	4.691	3.102	.473
%RSD	2.952	387.4	1.775	.3654	8.998	.6190	228.3	5.955	193.4	104700.	17.97
#1	-3.392	-1.971	5886.	15700.	1.290	150100.	-.2420	1.514	7.228	2.808	-2.780
#2	-3.203	8.102	5690.	15620.	1.500	149500.	.1792	1.438	-2.145	-3.330	-2.103
#3	-3.262	-1.689	5736.	15730.	1.287	148300.	.6474	1.619	2.195	.5128	-3.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5552**	**.3554**	**-.0240**	**-.5987**	**52.04**	**26.21**	**38.66**	**99.48**	**-.0113**
Stddev	.7689	.2460	.3027	.0530	.47	.93	7.84	1.80	1.141
%RSD	138.5	69.22	1261.	8.852	.9072	3.548	20.28	1.806	10110.
#1	-.9144	.0790	.1983	-.6189	52.49	27.00	37.32	101.1	-.7560
#2	-1.079	.5503	.0984	-.6386	51.55	26.45	31.57	99.80	-.5796
#3	.3276	.4369	-.3688	-.5385	52.07	25.18	47.08	97.54	1.302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24043.**	**42422.**	**14261.**
Stddev	237.	494.	195.
%RSD	.98457	1.1633	1.3683
#1	23865.	41927.	14467.
#2	24312.	42914.	14079.
#3	23953.	42427.	14238.

Sample Name: LCSW-3 Acquired: 8/17/2011 20:53:51 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**214.3**	**4864.**	**4534.**	**208.7**	**216.0**	**197.9**	**4605.**	**211.0**	**206.0**	**218.9**	**208.1**
Stddev	1.1	20.	51.	2.6	2.9	1.5	57.	.6	.7	1.1	.8
%RSD	.5275	.4158	1.126	1.264	1.325	.7488	1.236	.2666	.3365	.5059	.4062
#1	215.6	4884.	4477.	211.3	212.9	198.8	4541.	211.5	206.3	220.1	209.1
#2	213.9	4865.	4575.	208.8	216.5	196.2	4648.	211.0	206.5	217.9	207.8
#3	213.4	4843.	4549.	206.0	218.5	198.8	4628.	210.4	205.2	218.8	207.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4917.**	**4507.**	**4735.**	**4556.**	**221.0**	F **11260.**	**207.9**	**215.6**	**201.9**	**216.2**	**205.4**
Stddev	17.	31.	35.	23.	.6	110.	.4	3.7	.7	2.9	.7
%RSD	.3507	.6863	.7355	.5085	.2530	.9795	.1809	1.722	.3692	1.356	.3575
#1	4918.	4471.	4775.	4530.	220.6	11380.	207.5	217.5	201.0	217.5	204.7
#2	4933.	4523.	4717.	4574.	221.6	11250.	207.9	218.0	202.2	212.9	205.4
#3	4899.	4526.	4712.	4565.	220.7	11160.	208.3	211.3	202.4	218.3	206.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						5000.					
Range						20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**212.3**	**214.2**	**203.6**	**213.0**	**197.7**	**4289.**	**4115.**	**216.1**	**211.5**
Stddev	.7	.5	.3	.4	2.5	11.	56.	.3	1.0
%RSD	.3410	.2325	.1490	.1816	1.256	.2510	1.358	.1175	.4631
#1	213.1	214.2	203.4	213.4	194.9	4301.	4060.	216.3	211.7
#2	211.7	214.7	204.0	212.8	198.3	4286.	4172.	216.2	212.4
#3	212.1	213.7	203.5	212.7	199.8	4281.	4111.	215.8	210.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24060.**	**43151.**	**14272.**
Stddev	153.	496.	297.
%RSD	.63565	1.1499	2.0819
#1	23885.	43092.	14615.
#2	24133.	43674.	14118.
#3	24164.	42687.	14084.

Sample Name: LCSW-4 Acquired: 8/17/2011 20:58:24 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**212.8**	**4911.**	**4606.**	**208.9**	**216.1**	**197.8**	**4703.**	**209.8**	**205.4**	**218.3**	**208.4**
Stddev	2.9	83.	49.	2.7	.2	1.1	10.	.3	.4	1.5	2.0
%RSD	1.385	1.696	1.073	1.309	.1100	.5597	.2085	.1555	.2116	.6648	.9381
#1	215.2	4978.	4624.	209.1	215.9	198.9	4696.	210.1	205.5	219.0	209.2
#2	209.5	4818.	4643.	211.5	216.1	196.7	4714.	209.7	204.9	216.6	206.2
#3	213.7	4938.	4550.	206.1	216.3	197.6	4698.	209.4	205.7	219.2	209.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4930.**	**4532.**	**4654.**	**4590.**	**219.6**	F **10240.**	**207.8**	**215.8**	**196.3**	**213.0**	**209.4**
Stddev	44.	10.	108.	37.	1.7	66.	.3	1.2	4.7	2.0	1.5
%RSD	.8973	.2293	2.325	.8029	.7585	.6474	.1524	.5337	2.376	.9229	.7048
#1	4980.	4524.	4634.	4569.	221.3	10160.	208.2	216.8	201.5	211.3	209.9
#2	4914.	4544.	4557.	4569.	219.6	10260.	207.5	216.1	192.5	212.4	207.7
#3	4896.	4528.	4771.	4632.	218.0	10290.	207.7	214.5	194.8	215.1	210.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						5000.					
Range						20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**211.4**	**212.8**	**203.9**	**212.6**	**198.9**	**4300.**	**4164.**	**215.9**	**212.1**
Stddev	1.7	.5	.8	1.2	1.2	48.	32.	.7	.4
%RSD	.8167	.2508	.3678	.5604	.6061	1.108	.7698	.3296	.2049
#1	213.1	212.6	204.8	213.9	197.6	4339.	4199.	216.7	212.5
#2	209.7	212.5	203.7	211.5	199.9	4247.	4156.	215.3	212.1
#3	211.5	213.5	203.3	212.5	199.3	4313.	4137.	215.8	211.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23358.**	**41422.**	**13840.**
Stddev	141.	1202.	442.
%RSD	.60433	2.9022	3.1903
#1	23519.	40803.	14350.
#2	23303.	42808.	13598.
#3	23253.	40657.	13573.

Sample Name: CCV Acquired: 8/17/2011 21:02:58 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.9**	**5230.**	**4957.**	**195.7**	**203.4**	**187.2**	**4978.**	**201.0**	**191.9**	**212.7**	**208.3**
Stddev	1.0	27.	29.	3.4	1.5	1.4	42.	.3	.9	1.1	1.5
%RSD	.4769	.5209	.5854	1.749	.7131	.7647	.8390	.1416	.4483	.5140	.7203
#1	202.7	5238.	4976.	199.1	204.2	188.8	4970.	201.0	192.7	213.0	209.9
#2	200.8	5199.	4971.	195.7	204.3	186.6	5024.	201.2	192.1	211.5	208.1
#3	202.1	5252.	4923.	192.3	201.7	186.1	4942.	200.7	191.0	213.6	206.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5362.**	**4907.**	**5439.**	**4936.**	**214.0**	**F 9389.**	**197.9**	**203.8**	**194.0**	**198.7**	**197.6**
Stddev	19.	30.	47.	53.	.5	85.	.9	1.9	1.5	2.5	2.2
%RSD	.3467	.6020	.8551	1.064	.2297	.9016	.4320	.9174	.7934	1.264	1.105
#1	5370.	4939.	5492.	4968.	214.2	9483.	198.1	205.8	192.3	199.1	198.7
#2	5341.	4880.	5416.	4876.	213.4	9320.	198.6	202.1	194.3	201.0	195.1
#3	5376.	4903.	5408.	4965.	214.4	9362.	196.9	203.5	195.3	196.0	198.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						5000.					
Range						20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**202.0**	**200.2**	**196.4**	**202.5**	**196.6**	**5134.**	**4884.**	**208.5**	**204.4**
Stddev	.7	.2	.5	.5	2.1	26.	51.	.8	1.5
%RSD	.3394	.0947	.2461	.2478	1.059	.5004	1.043	.4017	.7140
#1	202.6	200.3	196.8	203.1	197.2	5164.	4865.	207.8	205.3
#2	202.2	200.2	195.9	202.3	198.3	5121.	4942.	208.3	205.2
#3	201.2	199.9	196.4	202.1	194.2	5117.	4845.	209.4	202.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24805.**	**43792.**	**14973.**
Stddev	294.	819.	272.
%RSD	1.1862	1.8711	1.8141
#1	24828.	44262.	15121.
#2	25088.	44268.	15138.
#3	24501.	42846.	14659.

Sample Name: CCB Acquired: 8/17/2011 21:07:30 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9822	-3.594	-41.35	2.209	.6947	-.2442	-5.227	-.0641	-.2671	-.3657	.8365
Stddev	.2160	.714	22.63	2.881	.2454	.2694	2.164	.1960	.1240	.6743	.2374
%RSD	21.99	19.87	54.72	130.4	35.32	110.3	41.40	305.8	46.44	184.4	28.39
#1	-1.166	-3.888	-40.53	4.994	.4989	-.2709	-4.394	-.0343	-.3074	-.5758	.5916
#2	-.7444	-2.779	-64.38	2.392	.6153	.0376	-3.603	.1153	-.1279	.3887	.8520
#3	-1.036	-4.114	-19.15	-.7590	.9700	-.4992	-7.683	-.2733	-.3660	-.9099	1.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.903	2.660	126.0	35.20	.0019	F 3467.	-.2252	.9809	5.203	-4.194	-2.009
Stddev	.324	4.679	84.5	20.17	.0100	61.	.1657	1.625	8.278	.884	1.691
%RSD	5.487	175.9	67.05	57.29	535.0	1.755	73.60	165.6	159.1	21.09	84.16
#1	-6.249	4.630	90.25	20.15	.0117	3436.	-.2287	1.767	5.127	-3.254	-3.493
#2	-5.855	-2.681	222.4	58.11	-.0083	3537.	-.3892	2.063	13.52	-5.010	-2.367
#3	-5.606	6.032	65.25	27.33	.0022	3427.	-.0577	-.8873	-3.037	-4.316	-.1679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						1000.					
Low Limit						-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1946	-.0594	-.2370	-.3482	.5207	-.5173	3.528	-.6261	.7572
Stddev	.3657	.0925	.8901	.1987	1.105	2.549	14.58	.4845	1.552
%RSD	187.9	155.9	375.5	57.06	212.2	492.7	413.3	77.39	205.0
#1	-.6134	.0428	.3763	-.1448	1.454	-1.332	10.26	-1.177	-.7581
#2	-.0322	-.0834	-1.258	-.3580	-.6997	-2.559	-13.20	-.2658	2.343
#3	.0618	-.1375	.1706	-.5417	.8079	2.339	13.53	-.4355	.6865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24039.	44278.	15686.
Stddev	225.	266.	410.
%RSD	.93671	.60088	2.6149
#1	24117.	44387.	16149.
#2	23785.	44472.	15369.
#3	24215.	43974.	15541.

Sample Name: RL Acquired: 8/17/2011 21:12:14 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.402**	**111.4**	**81.57**	**8.485**	**101.9**	**2.980**	**487.2**	**2.899**	**19.66**	**4.786**	**11.63**
Stddev	.711	.7	28.38	.583	1.3	.168	4.8	.059	.34	.163	.68
%RSD	16.15	.5878	34.79	6.875	1.303	5.636	.9819	2.039	1.722	3.400	5.835
#1	4.705	110.7	51.13	9.053	101.6	2.990	483.8	2.832	19.29	4.620	10.94
#2	4.911	111.9	107.3	7.888	100.9	2.807	492.6	2.918	19.73	4.945	12.30
#3	3.590	111.7	86.29	8.515	103.4	3.143	485.1	2.946	19.96	4.793	11.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.04**	**49.22**	**598.0**	**491.7**	**5.490**	**F 4154.**	**19.82**	**9.518**	**23.60**	**20.35**	**17.70**
Stddev	.75	4.13	26.1	25.4	.046	54.	.58	1.043	2.59	1.03	1.55
%RSD	1.565	8.390	4.361	5.161	.8359	1.294	2.934	10.95	10.95	5.043	8.748
#1	48.47	44.49	610.1	479.0	5.445	4112.	19.32	8.345	24.93	21.46	15.94
#2	47.18	52.12	615.9	520.9	5.488	4135.	19.67	10.34	20.63	20.14	18.85
#3	48.49	51.04	568.1	475.2	5.536	4214.	20.46	9.868	25.26	19.44	18.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						1000.					
Range						30.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.55**	**22.23**	**10.09**	**10.13**	**8.256**	**516.1**	**511.0**	**9.153**	**11.16**
Stddev	.18	.08	.28	.20	1.380	5.3	6.0	.785	1.09
%RSD	.9289	.3590	2.777	2.004	16.72	1.025	1.173	8.577	9.804
#1	19.68	22.21	10.17	10.28	9.517	522.0	517.9	8.411	11.75
#2	19.64	22.32	10.32	9.901	8.468	514.6	507.4	9.074	11.84
#3	19.35	22.17	9.780	10.22	6.782	511.8	507.7	9.975	9.900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24228.**	**43597.**	**15383.**
Stddev	57.	385.	250.
%RSD	.23623	.88204	1.6245
#1	24241.	43614.	15658.
#2	24165.	43973.	15320.
#3	24277.	43205.	15171.

Sample Name: 2RL Acquired: 8/17/2011 21:16:58 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.359**	**215.6**	**213.6**	**13.77**	**203.3**	**5.780**	**996.0**	**6.045**	**39.82**	**10.68**	**22.57**
Stddev	.496	1.2	47.1	1.49	.7	.110	11.9	.111	.37	1.13	.11
%RSD	5.303	.5709	22.05	10.85	.3340	1.894	1.193	1.837	.9379	10.61	.4669
#1	9.789	217.0	182.7	12.27	204.1	5.702	1001.	5.916	40.20	11.94	22.69
#2	9.470	214.7	190.4	15.26	203.0	5.733	982.5	6.103	39.79	9.752	22.50
#3	8.816	215.0	267.8	13.78	202.8	5.905	1005.	6.114	39.46	10.35	22.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**104.4**	**102.0**	**1076.**	**980.9**	**10.89**	**F 5012.**	**39.69**	**19.41**	**41.75**	**40.25**	**38.06**
Stddev	1.5	7.5	52.	30.1	.11	88.	.08	2.64	5.00	1.29	2.02
%RSD	1.467	7.345	4.865	3.070	.9858	1.747	.2106	13.58	11.98	3.208	5.304
#1	106.2	95.37	1021.	957.5	11.01	4959.	39.60	16.95	47.43	41.60	40.35
#2	103.4	110.1	1083.	1015.	10.81	5113.	39.77	22.19	38.00	40.12	37.28
#3	103.6	100.5	1125.	970.4	10.84	4965.	39.69	19.08	39.82	39.02	36.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						2000.					
Range						30.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.39**	**44.51**	**19.80**	**20.31**	**20.75**	**1027.**	**999.4**	**20.02**	**21.61**
Stddev	.87	.55	.60	.06	.08	5.	19.1	.93	1.92
%RSD	2.142	1.225	3.006	.2840	.3964	.4734	1.916	4.655	8.894
#1	41.39	44.96	20.38	20.34	20.83	1032.	991.8	20.79	19.54
#2	39.86	43.90	19.19	20.34	20.75	1028.	1021.	18.99	23.33
#3	39.92	44.65	19.84	20.24	20.67	1022.	985.3	20.29	21.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23878.**	**43251.**	**15021.**
Stddev	348.	720.	399.
%RSD	1.4585	1.6645	2.6576
#1	23865.	43594.	15415.
#2	23537.	42424.	14617.
#3	24233.	43736.	15031.

Sample Name: IOS Acquired: 8/17/2011 21:21:40 Type: QC
Method: PT_MET(v101) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7498**	^F *****	**312900.**	**.0363**	**.9166**	**.2393**	**293700.**	**-.1409**	**-.9175**	**-3.197**	**4.531**
Stddev	.2407	-----	2035.	1.183	.1685	.2739	5958.	.2079	.1693	.309	.256
%RSD	32.10	-----	.6503	3257.	18.39	114.4	2.028	147.6	18.46	9.664	5.646
#1	-.4720	^ -----	313300.	-1.329	1.029	.5517	297800.	-.2666	-.9952	-3.352	4.707
#2	-.8968	^ -----	314600.	.7582	.9979	.1262	296500.	.0991	-1.034	-2.841	4.650
#3	-.8805	^ -----	310600.	.6796	.7228	.0402	286900.	-.2552	-.7232	-3.398	4.238
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**287900.**	**238.3**	**288700.**	**-.1048**	**306000.**	**-2.623**	**2.024**	**-.0962**	**.9776**	**-.1053**
Stddev	-----	1391.	112.8	1490.	.0521	2504.	.538	3.107	7.755	3.262	2.872
%RSD	-----	.4831	47.33	.5161	49.68	.8185	20.50	153.5	8063.	333.6	2727.
#1	^ -----	288800.	248.6	290000.	-.1507	307800.	-2.942	-.7790	-6.759	-2.783	-.9833
#2	^ -----	286300.	120.7	289200.	-.0482	306900.	-2.002	1.486	-1.945	3.037	-2.436
#3	^ -----	288600.	345.6	287100.	-.1156	303100.	-2.924	5.365	8.416	2.678	3.103
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.106**	**2.832**	**-1.956**	**1.093**	**-1.691**	**-3.735**	**30.70**	**1.569**	**.0752**
Stddev	.736	.351	.132	.379	1.126	3.795	8.55	1.291	.9220
%RSD	34.96	12.41	6.722	34.68	66.61	101.6	27.87	82.31	1225.
#1	-1.802	2.855	-1.913	1.293	-2.258	-7.954	23.92	1.089	.4232
#2	-2.946	3.171	-2.103	.6558	-.3936	-.5965	27.86	3.031	.7726
#3	-1.571	2.469	-1.851	1.330	-2.420	-2.656	40.31	.5858	-.9701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22273.**	**39717.**	**15422.**
Stddev	99.	475.	168.
%RSD	.44382	1.1953	1.0878
#1	22162.	39638.	15239.
#2	22308.	39287.	15460.
#3	22350.	40226.	15568.

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Lead Project No. 11070033

Date(s) of Sample Analysis: 8/18/11 Date(s) of Sample Prep. 8/12/11

Preparer(s): R. Recto Analyst(s): R. Recto

(Circle) Matrix: (Aqueous) Solid Sludge Oil Other

PREPARATION: EPA-SOP-C-116 ANALYSIS: EPA-SOP-C-109 Instrument: ICAP 6300 Duo (Serial # : 20074301)

I. INSTRUMENT SPECIFIC QC: [Element(s) of interest: As & Pb]	YES	No	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD (sr) of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?	✓		
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		
II. DIGESTION BATCH QC: (for the element of interest stated above)			
A. Prep Blank < Reporting Limit for all elements of interest?	✓		
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)	✓		
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?	✓		
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?	✓ 8/20/11	✓	
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?	✓		
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project ?			✓
G. For samples with results > Reporting Limit, was the % RSD (sr) < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)		✓	
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: R. Recto Date: 8/25/11

Peer Review: Donna Christine Allen Date: 12/10/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: JEWETT WHITE LEAD

Project # 11070033

Fourteen (14) aqueous samples (AN03609 – 3622) were re-analyzed for As and Pb metals by ICP-AES on 08/18/11.

Reported results:

2X dilution → As, Pb → AN03610 to AN03619

1X → As, Pb → AN03609, AN03620, AN03621, AN03622

Note: Samples AN03609 – 3619 were loaded with Na & K and can't be run continuously (the salts accumulation as demonstrated during the original analysis on 08/14/11 will cause QC failures for both As and Pb, hence after AN03609 succeeding samples till AN03619 were at least diluted 2X for this re-analysis.

SUMMARY - VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	18 Aug 2011 10:59:24	18 Aug 2011 11:04:12	18 Aug 2011 11:08:57	18 Aug 2011 11:14:45	18 Aug 2011 11:19:23	18 Aug 2011 11:24:10	18 Aug 2011 11:28:54	18 Aug 2011 11:33:38
Ag3280	-.0010	.3864	.7521	195.8	.6510	5.825	10.53	-.3816
Al3961A	.0099	3.463	6.751	4803.	-3.635	106.5	202.5	^F *****
Al3961R	.0015	.2335	.4646	4858.	-15.08	123.5	208.5	302500.
As1890	-.0001	.1855	.3744	195.5	-.2023	9.889	19.40	1.212
Ba4554R	.0076	11.68	23.21	195.4	.3088	98.62	197.7	.0849
Be3131R	.0013	8.803	16.86	197.5	-.0171	2.921	5.982	.2340
Ca3179R	.0071	.6818	1.350	5069.	-8.709	499.4	1021.	291200.
Cd2265	.0004	7.317	14.38	200.2	.0381	2.933	6.067	1.867
Co2286	.0001	2.416	4.845	193.2	-.0482	19.38	40.13	-1.074
Cr2677	.0000	1.058	2.087	207.9	-.1171	5.659	10.96	-.1457
Cu3247	.0110	4.516	8.965	202.9	.2755	11.27	21.93	4.325
Fe2599A	.0042	2.636	5.247	5105.	-5.230	49.37	103.0	^ *****
Fe2599R	.0007	.4180	.8238	5087.	-4.895	47.59	100.5	295700.
K_7664R	-.0098	.1348	.2778	5021.	-102.1	434.4	895.9	-103.8
Mg2790R	.0002	.0778	.1550	5094.	-16.76	501.8	1014.	299600.
Mn2576	.0005	16.95	33.03	208.8	.4183	5.743	11.06	.0452
Na5895R	.0639	.5203	.9724	4937.	-128.4	839.1	1852.	293300.
Ni2316	.0000	1.272	2.531	197.4	-.4902	19.67	39.71	-1.830
Pb2203	.0002	.5360	1.068	202.4	1.261	10.14	16.74	-1.849
Sb2068	.0001	.2970	.6032	195.6	.8128	18.40	42.95	-9.668
Se1960	.0001	.1431	.2847	196.9	1.974	21.81	41.32	2.244
Tl1908	-.0002	.2665	.5252	200.6	1.461	19.38	42.74	2.162
V_2924	-.0001	3.703	7.305	196.6	.1651	19.78	40.00	-1.429
Zn2062	.0010	3.127	6.253	199.3	.0973	22.57	46.02	2.692
Mo2020	-.0001	1.603	3.213	198.1	.7912	10.48	20.39	-1.878
Ti3372	-.0012	10.75	21.35	197.8	.1755	10.07	20.26	1.488
B_2089	-.0001	.8186	1.642	206.0	3.676	11.34	21.62	-3.303
Si2881A	.0074	.7623	1.475	4962.	-3.947	512.5	1009.	-7.263
Si2881R	.0010	.1200	.2400	4995.	-26.67	494.3	1009.	5.152
Sn1899	.0000	.4424	.8718	204.2	-.0022	11.69	22.62	3.154
Sr3464	-.0006	2.946	5.858	204.9	-.0651	9.843	20.87	1.809
Y_2243-A	22020.	22662.	22419.	23408.	23151.	23668.	23916.	21980.
Y_3203-A	44424.	45353.	45170.	45813.	45619.	45204.	46620.	42657.
Y_3600-R	20782.	20427.	20071.	19010.	19726.	18950.	18733.	19161.

SUMMARY - VERTICAL REPORT

	PBW-2 B19P12	LCSW-3 B19P12	LCSW-4 B19P12	AN03609	AN03609 MS	AN03609 SDL	AN03609 X2	AN03610 X2
	18 Aug 2011 11:38:55	18 Aug 2011 11:43:38	18 Aug 2011 11:48:12	18 Aug 2011 11:52:44	18 Aug 2011 11:57:40	18 Aug 2011 12:02:28	18 Aug 2011 12:07:15	18 Aug 2011 12:12:04
Ag3280	.5490	206.0	204.8	-.2011	235.0	211.0	-1.037	-.2970
Al3961A	6.831	4829.	4832.	-41.11	3579.	4129.	-32.24	-13.41
Al3961R	25.67	4873.	4871.	F -131.7	5001.	4761.	F -55.93	F -67.67
As1890	1.159	206.2	204.3	3.342	243.3	233.1	4.398	6.522
Ba4554R	.5185	206.8	205.1	22.17	232.6	233.8	12.51	12.51
Be3131R	-.0879	207.3	205.6	1.162	193.2	190.1	1.025	.7262
Ca3179R	6.794	5156.	5157.	247500.	264900.	264000.	124200.	126300.
Cd2265	-.0783	209.2	209.7	-.0477	210.7	209.7	-.0596	-.1743
Co2286	-.2850	204.7	204.5	2.225	198.3	198.4	1.073	-.7726
Cr2677	-.3524	214.0	214.0	2.524	227.1	225.0	2.346	2.099
Cu3247	.6026	199.1	199.8	3.211	195.0	197.0	2.474	2.868
Fe2599A	8.725	5194.	5146.	1.386	5598.	5537.	-3.335	50.18
Fe2599R	8.131	5127.	5082.	2.396	5145.	5135.	-2.041	46.89
K_7664R	-138.3	4673.	4661.	272100.	294700.	269200.	133400.	137000.
Mg2790R	29.28	5119.	5166.	791900.	816600.	812500.	389300.	394500.
Mn2576	-.0784	216.4	215.0	68.30	296.2	294.6	33.54	36.72
Na5895R	20.45	5052.	4987.	^ *****	^ *****	F 5927000.	F 2192000.	F 2234000.
Ni2316	-.3018	206.5	206.7	1.939	200.7	201.3	.8041	.9808
Pb2203	1.976	213.1	214.2	1.231	211.8	222.4	.9063	1.670
Sb2068	1.092	198.0	199.7	2.954	212.8	211.5	-.6867	.2864
Se1960	1.174	209.2	209.2	5.560	245.0	240.9	1.677	9.854
Tl1908	1.031	205.7	206.7	-.8953	174.8	175.7	-1.122	-.7530
V_2924	-.3101	207.0	206.8	.4747	220.3	209.7	-.7007	-1.054
Zn2062	-.0035	214.6	215.8	13.44	242.6	243.0	6.772	7.835
Mo2020	.2316	202.0	201.8	6.833	205.8	204.5	3.116	3.312
Ti3372	-.2932	206.4	206.0	-.4313	209.0	202.0	-1.174	-.2667
B_2089	.4294	197.7	195.5	2476.	2662.	2596.	1168.	1181.
Si2881A	1.694	4985.	4994.	819.8	4983.	4819.	383.2	459.8
Si2881R	-10.80	5074.	5055.	852.3	5148.	4901.	411.8	473.0
Sn1899	.2518	210.5	210.2	1.770	206.2	214.1	.4499	.8608
Sr3464	-.1536	214.3	213.6	4849.	5260.	5259.	2418.	2487.
Y_2243-A	24200.	24336.	24439.	19486.	19519.	21940.	20541.	20489.
Y_3203-A	45736.	46726.	46778.	34622.	34045.	38081.	36077.	35434.
Y_3600-R	18824.	18893.	18649.	15499.	13838.	13491.	13576.	13197.

SUMMARY - VERTICAL REPORT

	AN03611 X2	AN03611 X100	CCV	CCB	AN03612 X2	AN03613 X2	AN03614 X2	AN03615 X2
	18 Aug 2011 12:16:52	18 Aug 2011 12:21:42	18 Aug 2011 12:26:23	18 Aug 2011 12:30:56	18 Aug 2011 12:35:40	18 Aug 2011 12:40:30	18 Aug 2011 12:45:20	18 Aug 2011 12:50:07
Ag3280	.0485	.2513	196.0	-.2298	-.0795	-.5168	.3163	-.1860
Al3961A	-31.76	-5.950	5256.	-3.534	101.2	-31.48	24.80	-30.92
Al3961R	F -61.10	8.950	4885.	11.87	95.99	F -65.36	14.30	F -62.34
As1890	3.290	2.871	196.6	.3391	3.576	3.727	-1.230	.3886
Ba4554R	12.98	3.651	196.2	1.281	12.35	12.41	13.17	13.01
Be3131R	1.048	.1550	174.0	.2507	1.088	.9913	.9781	1.210
Ca3179R	123100.	5482.	5119.	-7.283	124600.	123200.	124900.	123700.
Cd2265	-.0425	-.0854	207.7	-.1880	.0092	.1064	.0075	-.1594
Co2286	-.0217	-.4962	190.1	-.0461	-.3625	1.140	-.2624	.6349
Cr2677	1.896	.2951	217.6	.1039	2.031	1.777	3.141	2.346
Cu3247	2.919	1.425	194.6	.5387	4.112	1.608	6.506	3.294
Fe2599A	-2.250	-6.187	5325.	-6.260	401.9	-2.650	169.0	-4.557
Fe2599R	-3.176	-7.167	5015.	-5.862	374.1	-.8655	151.4	-4.177
K_7664R	135200.	5594.	5215.	-102.2	132600.	133500.	137100.	138000.
Mg2790R	385600.	17170.	5166.	5.494	391500.	385000.	388800.	385600.
Mn2576	33.10	1.297	215.3	-.0006	50.52	37.90	43.06	36.25
Na5895R	F 2229000.	147700.	F 9492.	F 2765.	F 2275000.	F 2170000.	F 2268000.	F 2206000.
Ni2316	.4855	-.0653	196.7	-.1344	2.039	.8257	1.620	1.002
Pb2203	1.477	2.306	215.1	.4105	7.949	2.735	1.819	3.386
Sb2068	7.147	4.423	178.2	3.908	3.826	4.798	3.749	6.151
Se1960	9.265	6.130	207.5	3.281	5.676	5.615	2.858	8.024
Tl1908	-1.250	-.7927	198.6	-1.152	-1.255	-1.167	-3.241	-3.189
V_2924	-.5130	-1.216	198.8	-.1755	-.0749	-.3895	-.6450	-.5888
Zn2062	6.336	.0563	217.1	-.1920	10.97	6.253	10.76	7.446
Mo2020	3.020	.1327	190.6	.0118	2.800	3.414	3.095	3.322
Ti3372	-.9908	-.5835	193.5	-.3765	4.506	-.8752	1.503	-.8722
B_2089	1153.	50.79	178.1	-.0866	1196.	1149.	1164.	1150.
Si2881A	386.0	12.33	5014.	-7.369	794.7	386.8	569.2	396.2
Si2881R	405.0	.8318	4959.	-18.04	831.9	411.0	591.0	417.2
Sn1899	1.042	1.902	214.8	.2131	.7573	.3714	1.036	.6921
Sr3464	2420.	108.6	214.3	.0831	2439.	2431.	2465.	2461.
Y_2243-A	20605.	23582.	24446.	24326.	20734.	20999.	20704.	20478.
Y_3203-A	35382.	40068.	43308.	43659.	36746.	35867.	35400.	34982.
Y_3600-R	12723.	12968.	13531.	15582.	14405.	13696.	12696.	12585.

SUMMARY - VERTICAL REPORT

	AN03616 X2	AN03617 X2	AN03618 X2	AN03619 X2	AN03619 X100	AN03620	CCV	CCB
	18 Aug 2011 12:54:57	18 Aug 2011 12:59:44	18 Aug 2011 13:04:34	18 Aug 2011 13:09:22	18 Aug 2011 13:14:12	18 Aug 2011 13:18:53	18 Aug 2011 13:23:41	18 Aug 2011 13:28:15
Ag3280	.2557	-.3881	-.1748	-1.037	.2236	-.4188	195.8	1.175
Al3961A	37.32	-30.42	42.10	-30.83	-5.686	720.4	5132.	-5.573
Al3961R	37.21	F -73.75	35.05	F -83.91	23.00	686.6	4910.	23.05
As1890	4.499	7.684	3.912	5.997	3.860	7.937	195.0	.1168
Ba4554R	13.10	12.83	13.57	13.66	3.502	32.93	196.1	1.865
Be3131R	1.241	1.030	1.169	1.167	.5377	-.1525	179.8	.0748
Ca3179R	125800.	125900.	126200.	126200.	5338.	6683.	5054.	-10.24
Cd2265	.0103	-.0294	-.1236	-.1264	-.2482	.1886	205.8	-.0894
Co2286	-.4647	.9251	-.2441	.5816	-.6037	2.557	189.8	-.2634
Cr2677	2.564	2.230	3.391	2.916	1.367	19.54	215.3	-.2612
Cu3247	2.766	2.590	3.474	2.354	2.820	21.38	193.7	.2352
Fe2599A	198.8	-2.256	216.9	-1.610	-6.620	18800.	5395.	-6.564
Fe2599R	173.5	-.9610	193.7	-1.634	-1.704	17350.	4986.	-3.589
K_7664R	140100.	141200.	143300.	143600.	5608.	496.6	5186.	-132.0
Mg2790R	389000.	389600.	393900.	389000.	16570.	1543.	5161.	12.14
Mn2576	43.54	35.43	43.04	34.39	1.269	396.9	217.6	-.0633
Na5895R	F 2206000.	F 2273000.	F 2301000.	F 2160000.	146800.	6075.	F 9144.	F 2962.
Ni2316	1.332	.3702	1.360	.8737	-.6237	22.45	195.9	-.1354
Pb2203	3.399	5.457	1.140	22.27	.5483	1914.	212.9	.5335
Sb2068	.4220	4.316	4.533	5.971	1.454	2.272	183.6	3.888
Se1960	8.370	9.147	6.566	6.377	10.71	6.454	200.9	4.221
Tl1908	-4.620	-2.500	-2.304	-1.034	-2.882	-1.876	196.3	1.323
V_2924	-1.201	-.6786	-.9768	-1.136	-.9204	1.848	199.1	-.7324
Zn2062	7.566	6.217	8.186	6.299	-.0780	53.47	212.7	-.0645
Mo2020	3.132	2.425	3.485	3.120	-.0923	4.309	190.7	.1475
Ti3372	1.530	-1.384	1.994	-.9778	-.4392	23.31	195.2	-.4702
B_2089	1155.	1161.	1177.	1151.	48.14	1.068	181.5	1.104
Si2881A	596.6	386.4	607.2	390.9	6.594	1267.	4981.	-10.73
Si2881R	632.7	392.8	619.5	391.6	-.6562	1176.	4914.	-4.787
Sn1899	1.885	.7953	1.015	.3492	1.548	2.442	211.4	.6091
Sr3464	2506.	2500.	2539.	2529.	107.4	38.69	214.9	-.2251
Y_2243-A	20168.	20036.	19910.	20157.	23072.	24612.	24248.	24671.
Y_3203-A	33900.	34429.	33922.	33526.	39579.	42150.	43374.	44438.
Y_3600-R	12222.	11981.	11926.	11580.	12038.	13602.	14406.	15606.

SUMMARY - VERTICAL REPORT

	AN03621	AN03622	CCV	CCB	RL	2RL	IOS
	18 Aug 2011 13:33:00	18 Aug 2011 13:37:45	18 Aug 2011 13:42:29	18 Aug 2011 13:47:02	18 Aug 2011 13:51:46	18 Aug 2011 13:56:31	18 Aug 2011 14:01:14
Ag3280	.0657	-.0825	199.6	.4732	5.034	11.17	.0031
Al3961A	9.268	-4.011	5024.	-4.331	108.0	213.5	^F *****
Al3961R	30.16	8.974	4928.	9.918	F 130.0	222.4	306200.
As1890	2.867	3.660	193.5	.5737	8.243	16.27	3.954
Ba4554R	1.325	.5304	197.7	1.839	98.03	202.9	1.267
Be3131R	-.0554	-.0571	187.0	-.0107	2.913	6.062	.4055
Ca3179R	41.63	-1.174	5082.	-2.490	493.9	1020.	293000.
Cd2265	-.1451	-.0788	205.0	-.1653	2.777	6.196	.1173
Co2286	-.1552	-.4237	190.3	-.3629	18.98	39.36	-1.218
Cr2677	.5920	-.0809	215.7	-.1486	5.913	11.37	.7537
Cu3247	6.315	.3476	198.7	.2710	10.81	21.58	4.539
Fe2599A	11.79	-6.641	5341.	-6.468	49.74	108.6	^ *****
Fe2599R	12.84	-2.947	5007.	-6.258	44.27	100.1	295400.
K_7664R	129.6	131.8	5345.	91.77	586.3	1111.	170.5
Mg2790R	11.06	18.91	5117.	10.16	488.8	1057.	297200.
Mn2576	.1978	-.0597	215.0	-.0438	5.507	11.24	-.0546
Na5895R	2572.	2270.	F 7153.	F 1787.	F 2651.	F 3611.	299800.
Ni2316	.9982	-.3539	197.7	-.1710	18.87	39.07	-1.106
Pb2203	.6362	2.276	210.2	1.990	8.893	19.47	4.135
Sb2068	3.700	5.047	186.0	1.505	22.63	41.21	-1.435
Se1960	2.323	2.725	204.5	1.164	23.86	43.95	.1921
Tl1908	-.2872	.1052	197.1	-.2662	18.12	40.62	.0526
V_2924	.0120	-.7889	202.0	-.4592	19.41	40.88	-1.419
Zn2062	10.72	.3234	209.0	.0082	22.94	47.08	2.701
Mo2020	-.1609	.2263	193.2	.0629	9.398	20.54	-2.007
Tl3372	.0493	-.0834	197.4	-.3179	9.916	20.42	1.561
B_2089	1.392	.8721	185.9	.0010	8.586	18.92	-2.109
Si2881A	9.505	-2.122	5050.	-10.000	496.3	1035.	-11.05
Si2881R	-2.575	-8.527	4956.	-18.78	484.9	990.4	-1.926
Sn1899	8.602	.8575	208.4	.9101	10.99	23.31	2.088
Sr3464	-.2715	.1093	212.9	-.4300	9.986	21.07	1.739
Y_2243-A	24242.	24558.	24689.	24704.	24838.	24703.	23195.
Y_3203-A	45425.	46072.	45283.	44701.	45499.	44928.	42454.
Y_3600-R	17438.	17244.	16613.	15923.	17209.	16400.	17195.

ICAP 6300 QC ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	18 Aug 2011			ug/L	18 Aug 2011	
		11:14:45				11:19:23	
Ag3280	200	195.8	97.9	PASS	5	0.651	PASS
Al3082A	5000	4803	96.1	PASS	100	-3.635	PASS
Al3082R	5000	4858	97.2	PASS	100	-15.08	PASS
As1890	200	195.5	97.8	PASS	8	-0.2023	PASS
Ba4554R	200	195.4	97.7	PASS	100	0.3088	PASS
Be3131R	200	197.5	98.8	PASS	3	-0.0171	PASS
Ca3179R	5000	5069	101.4	PASS	500	-8.709	PASS
Cd2265	200	200.2	100.1	PASS	3	0.0381	PASS
Co2286	200	193.2	96.6	PASS	20	-0.0482	PASS
Cr2677	200	207.9	104.0	PASS	5	-0.1171	PASS
Cu3247	200	202.9	101.5	PASS	5	0.2755	PASS
Fe2599A	5000	5105	102.1	PASS	50	-5.23	PASS
Fe2599R	5000	5087	101.7	PASS	50	-4.895	PASS
K_7664R	5000	5021	100.4	PASS	500	-102.1	PASS
Mg2790R	5000	5094	101.9	PASS	500	-16.76	PASS
Mn2576	200	208.8	104.4	PASS	5	0.4183	PASS
Na5895R	5000	4937	98.7	PASS	1000	-128.4	PASS
Ni2316	200	197.4	98.7	PASS	20	-0.4902	PASS
Pb2203	200	202.4	101.2	PASS	8	1.261	PASS
Sb2068	200	195.6	97.8	PASS	20	0.8128	PASS
Se1960	200	196.9	98.5	PASS	20	1.974	PASS
Tl1908	200	200.6	100.3	PASS	20	1.461	PASS
V_2924	200	196.6	98.3	PASS	20	0.1651	PASS
Zn2062	200	199.3	99.7	PASS	20	0.0973	PASS
Mo2020	200	198.1	99.1	PASS	10	0.7912	PASS
Ti3372	200	197.8	98.9	PASS	10	0.1755	PASS
B_2089	200	206	103.0	PASS	10	3.676	PASS
Si2881A	5000	4962	99.2	PASS	500	-3.947	PASS
Si2881R	5000	4995	99.9	PASS	500	-26.67	PASS
Sr3464	200	204.9	102.5	PASS	10	-0.0651	PASS
Sn1899	200	204.2	102.1	PASS	10	-0.0022	PASS

ICAP 6300 QC RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG
	ug/L	ug/L	ug/L	18 Aug 2011			18 Aug 2011		
				11:24:10			13:51:46		
Ag3280	5	3.5	6.5	5.825	116.5	PASS	5.034	100.7	PASS
Al3082A	100	70.0	130	106.5	106.5	PASS	108	108.0	PASS
Al3082R	100	70.0	130	123.5	123.5	PASS	F 130.0	#VALUE!	#VALUE!
As1890	8	5.6	10.4	9.889	123.6	PASS	8.243	103.0	PASS
Ba4554R	100	70.0	130	98.62	98.6	PASS	98.03	98.0	PASS
Be3131R	3	2.1	3.9	2.921	97.4	PASS	2.913	97.1	PASS
Ca3179R	500	350	650	499.4	99.9	PASS	493.9	98.8	PASS
Cd2265	3	2.1	3.9	2.933	97.8	PASS	2.777	92.6	PASS
Co2286	20	14.0	26.0	19.38	96.9	PASS	18.98	94.9	PASS
Cr2677	5	3.5	6.5	5.659	113.2	PASS	5.913	118.3	PASS
Cu3247	10	7.0	13.0	11.27	112.7	PASS	10.81	108.1	PASS
Fe2599A	50	35.0	65.0	49.37	98.7	PASS	49.74	99.5	PASS
Fe2599R	50	35.0	65.0	47.59	95.2	PASS	44.27	88.5	PASS
K_7664R	500	350	650	434.4	86.9	PASS	586.3	117.3	PASS
Mg2790R	500	350	650	501.8	100.4	PASS	488.8	97.8	PASS
Mn2576	5	3.5	6.5	5.743	114.9	PASS	5.507	110.1	PASS
Na5895R	1000	700	1300	839.1	83.9	PASS	F 2651.	#VALUE!	#VALUE!
Ni2316	20	14.0	26.0	19.67	98.4	PASS	18.87	94.4	PASS
Pb2203	8	5.6	10.4	10.14	126.8	PASS	8.893	111.2	PASS
Sb2068	20	14.0	26.0	18.4	92.0	PASS	22.63	113.2	PASS
Se1960	20	14.0	26.0	21.81	109.1	PASS	23.86	119.3	PASS
Tl1908	20	14.0	26.0	19.38	96.9	PASS	18.12	90.6	PASS
V_2924	20	14.0	26.0	19.78	98.9	PASS	19.41	97.1	PASS
Zn2062	20	14.0	26.0	22.57	112.9	PASS	22.94	114.7	PASS
Mo2020	10	7.0	13.0	10.48	104.8	PASS	9.398	94.0	PASS
Ti3372	10	7.0	13.0	10.07	100.7	PASS	9.916	99.2	PASS
B_2089	10	7.0	13.0	11.34	113.4	PASS	8.586	85.9	PASS
Si2881A	500	350	650	512.5	102.5	PASS	496.3	99.3	PASS
Si2881R	500	350	650	494.3	98.9	PASS	484.9	97.0	PASS
Sr3464	10	7.0	13.0	9.843	98.4	PASS	9.986	99.9	PASS
Sn1899	10	7.0	13.0	11.69	116.9	PASS	10.99	109.9	PASS

ICAP 6300 QC 2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	18 Aug 2011			18 Aug 2011		
				11:28:54			13:56:31		
Ag3280	10	7.0	13.0	10.53	105.3	PASS	11.17	111.7	PASS
Al3082A	200	140	260	202.5	101.3	PASS	213.5	106.8	PASS
Al3082R	200	140	260	208.5	104.3	PASS	222.4	111.2	PASS
As1890	16	11.2	20.8	19.4	121.3	PASS	16.27	101.7	PASS
Ba4554R	200	140	260	197.7	98.9	PASS	202.9	101.5	PASS
Be3131R	6	4.2	7.8	5.982	99.7	PASS	6.062	101.0	PASS
Ca3179R	1000	700	1300	1021	102.1	PASS	1020	102.0	PASS
Cd2265	6	4.2	7.8	6.067	101.1	PASS	6.196	103.3	PASS
Co2286	40	28.0	52.0	40.13	100.3	PASS	39.36	98.4	PASS
Cr2677	10	7.0	13.0	10.96	109.6	PASS	11.37	113.7	PASS
Cu3247	20	16.0	24	21.93	109.7	PASS	21.58	107.9	PASS
Fe2599A	100	70.0	130	103	103.0	PASS	108.6	108.6	PASS
Fe2599R	100	70.0	130	100.5	100.5	PASS	100.1	100.1	PASS
K_7664R	1000	700	1300	895.9	89.6	PASS	1111	111.1	PASS
Mg2790R	1000	700	1300	1014	101.4	PASS	1057	105.7	PASS
Mn2576	10	7.0	13.0	11.06	110.6	PASS	11.24	112.4	PASS
Na5895R	2000	1400	2600	1852	92.6	PASS	F 3611.	#VALUE!	#VALUE!
Ni2316	40	28.0	52.0	39.71	99.3	PASS	39.07	97.7	PASS
Pb2203	16	11.2	20.8	16.74	104.6	PASS	19.47	121.7	PASS
Sb2068	40	28.0	52.0	42.95	107.4	PASS	41.21	103.0	PASS
Se1960	40	28.0	52.0	41.32	103.3	PASS	43.95	109.9	PASS
Tl1908	40	28.0	52.0	42.74	106.9	PASS	40.62	101.6	PASS
V_2924	40	28.0	52.0	40	100.0	PASS	40.88	102.2	PASS
Zn2062	40	28.0	52.0	46.02	115.1	PASS	47.08	117.7	PASS
Mo2020	20	14.0	26.0	20.39	102.0	PASS	20.54	102.7	PASS
Ti3372	20	14.0	26.0	20.26	101.3	PASS	20.42	102.1	PASS
B_2089	20	14.0	26.0	21.62	108.1	PASS	18.92	94.6	PASS
Si2881A	1000	700	1300	1009	100.9	PASS	1035	103.5	PASS
Si2881R	1000	700	1300	1009	100.9	PASS	990.4	99.0	PASS
Sr3464	20	14.0	26.0	20.87	104.4	PASS	21.07	105.4	PASS
Sn1899	20	14.0	26.0	22.62	113.1	PASS	23.31	116.6	PASS

ICAP 6300 QC IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	18 Aug 2011			18 Aug 2011			
				11:33:38			14:01:14			
Ag3280	0	-5.0	5.0	-0.3816		PASS	0.0031		PASS	
Al3082A	300000	200000	300000	^F *****	*N/A	*N/A	^F *****	*N/A	*N/A	switch to radial
Al3082R	300000	200000	300000	302500	100.8	PASS	306200	102.1	PASS	
As1890	0	-8.0	8.0	1.212		PASS	3.954		PASS	
Ba4554R	0	-100	100	0.0849		PASS	1.267		PASS	
Be3131R	0	-3.0	3.0	0.234		PASS	0.4055		PASS	
Ca3179R	300000	200000	300000	291200	97.1	PASS	293000	97.7	PASS	
Cd2265	0	-3.0	3.0	1.867		PASS	0.1173		PASS	
Co2286	0	-20.0	20.0	-1.074		PASS	-1.218		PASS	
Cr2677	0	-5.0	5.0	-0.1457		PASS	0.7537		PASS	
Cu3247	0	-5.0	5.0	4.325		PASS	4.539		PASS	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	#VALUE!	*N/A	switch to radial
Fe2599R	300000	200000	300000	295700	98.6	PASS	295400	98.5	PASS	
K_7664R	0	-500	500	-103.8		PASS	170.5		PASS	
Mg2790R	300000	200000	300000	299600	99.9	PASS	297200	99.1	PASS	
Mn2576	0	-5.0	5.0	0.0452		PASS	-0.0546		PASS	
Na5895R	300000	200000	300000	293300	97.8	PASS	299800	99.9	PASS	
Ni2316	0	-20.0	20.0	-1.83		PASS	-1.106		PASS	
Pb2203	0	-8.0	8.0	-1.849		PASS	4.135		PASS	
Sb2068	0	-20.0	20.0	-9.668		PASS	-1.435		PASS	
Se1960	0	-20.0	20.0	2.244		PASS	0.1921		PASS	
Tl1908	0	-20.0	20.0	2.162		PASS	0.0526		PASS	
V_2924	0	-20.0	20.0	-1.429		PASS	-1.419		PASS	
Zn2062	0	-20.0	20.0	2.692		PASS	2.701		PASS	
Mo2020	0	-10.0	10.0	-1.878		PASS	-2.007		PASS	
Ti3372	0	-10.0	10.0	1.488		PASS	1.561		PASS	
B_2089	0	-10.0	10.0	-3.303		PASS	-2.109		PASS	
Si2881A	0	-500	500	-7.263		PASS	-11.05		PASS	
Si2881R	0	-500	500	5.152		PASS	-1.926		PASS	
Sr3464	0	-10.0	10.0	1.809		PASS	1.739		PASS	
Sn1899	0	-10.0	10.0	3.154		PASS	2.088		PASS	

ICAP 6300 QC CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	18 Aug 2011			ug/L	18 Aug 2011	
		12:26:23				12:30:56	
Ag3280	200	196	98.0	PASS	5	-0.2298	PASS
Al3082A	5000	5256	105.1	PASS	100	-3.534	PASS
Al3082R	5000	4885	97.7	PASS	100	11.87	PASS
As1890	200	196.6	98.3	PASS	8	0.3391	PASS
Ba4554R	200	196.2	98.1	PASS	100	1.281	PASS
Be3131R	200	174	87.0	PASS	3	0.2507	PASS
Ca3179R	5000	5119	102.4	PASS	500	-7.283	PASS
Cd2265	200	207.7	103.9	PASS	3	-0.188	PASS
Co2286	200	190.1	95.1	PASS	20	-0.0461	PASS
Cr2677	200	217.6	108.8	PASS	5	0.1039	PASS
Cu3247	200	194.6	97.3	PASS	5	0.5387	PASS
Fe2599A	5000	5325	106.5	PASS	50	-6.26	PASS
Fe2599R	5000	5015	100.3	PASS	50	-5.862	PASS
K_7664R	5000	5215	104.3	PASS	500	-102.2	PASS
Mg2790R	5000	5166	103.3	PASS	500	5.494	PASS
Mn2576	200	215.3	107.7	PASS	5	-0.0006	PASS
Na5895R	5000	F 9492.	#VALUE!	#VALUE!	1000	F 2765.	#VALUE!
Ni2316	200	196.7	98.4	PASS	20	-0.1344	PASS
Pb2203	200	215.1	107.6	PASS	8	0.4105	PASS
Sb2068	200	178.2	89.1	PASS	20	3.908	PASS
Se1960	200	207.5	103.8	PASS	20	3.281	PASS
Tl1908	200	198.6	99.3	PASS	20	-1.152	PASS
V_2924	200	198.8	99.4	PASS	20	-0.1755	PASS
Zn2062	200	217.1	108.6	PASS	20	-0.192	PASS
Mo2020	200	190.6	95.3	PASS	10	0.0118	PASS
Ti3372	200	193.5	96.8	PASS	10	-0.3765	PASS
B_2089	200	178.1	89.1	PASS	10	-0.0866	PASS
Si2881A	5000	5014	100.3	PASS	500	-7.369	PASS
Si2881R	5000	4959	99.2	PASS	500	-18.04	PASS
Sr3464	200	214.3	107.2	PASS	10	0.0831	PASS
Sn1899	200	214.8	107.4	PASS	10	0.2131	PASS

ICAP 6300 QC CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	18 Aug 2011			ug/L	18 Aug 2011	
		13:23:41				13:28:15	
Ag3280	200	195.8	97.9	PASS	5	1.175	PASS
Al3082A	5000	5132	102.6	PASS	100	-5.573	PASS
Al3082R	5000	4910	98.2	PASS	100	23.05	PASS
As1890	200	195	97.5	PASS	8	0.1167	PASS
Ba4554R	200	196.1	98.1	PASS	100	1.865	PASS
Be3131R	200	179.8	89.9	PASS	3	0.0748	PASS
Ca3179R	5000	5054	101.1	PASS	500	-10.24	PASS
Cd2265	200	205.8	102.9	PASS	3	-0.0894	PASS
Co2286	200	189.8	94.9	PASS	20	-0.2634	PASS
Cr2677	200	215.3	107.7	PASS	5	-0.2612	PASS
Cu3247	200	193.7	96.9	PASS	5	0.2352	PASS
Fe2599A	5000	5395	107.9	PASS	50	-6.564	PASS
Fe2599R	5000	4986	99.7	PASS	50	-3.589	PASS
K_7664R	5000	5186	103.7	PASS	500	-132	PASS
Mg2790R	5000	5161	103.2	PASS	500	12.14	PASS
Mn2576	200	217.6	108.8	PASS	5	-0.0633	PASS
Na5895R	5000	F 9144.	#VALUE!	#VALUE!	1000	F 2962.	#VALUE!
Ni2316	200	195.9	98.0	PASS	20	-0.1354	PASS
Pb2203	200	212.9	106.5	PASS	8	0.5335	PASS
Sb2068	200	183.6	91.8	PASS	20	3.888	PASS
Se1960	200	200.8	100.4	PASS	20	4.221	PASS
Tl1908	200	196.3	98.2	PASS	20	1.323	PASS
V_2924	200	199.1	99.6	PASS	20	-0.7324	PASS
Zn2062	200	212.7	106.4	PASS	20	-0.0645	PASS
Mo2020	200	190.7	95.4	PASS	10	0.1475	PASS
Ti3372	200	195.2	97.6	PASS	10	-0.4702	PASS
B_2089	200	181.5	90.8	PASS	10	1.104	PASS
Si2881A	5000	4981	99.6	PASS	500	-10.73	PASS
Si2881R	5000	4914	98.3	PASS	500	-4.787	PASS
Sr3464	200	214.9	107.5	PASS	10	-0.2251	PASS
Sn1899	200	211.4	105.7	PASS	10	0.6091	PASS

ICAP 6300 QC

CCV-3 / CCB-3 (ug/L)

ELEMENT	TRUE VALUE	CCV-3	%REC	FLAG	REP. LIMIT	CCB-3	FLAG
	ug/L	18 Aug 2011			ug/L	18 Aug 2011	
		13:42:29				13:47:02	
Ag3280	200	199.6	99.8	PASS	5	0.4732	PASS
Al3082A	5000	5024	100.5	PASS	100	-4.331	PASS
Al3082R	5000	4928	98.6	PASS	100	9.918	PASS
As1890	200	193.5	96.8	PASS	8	0.5737	PASS
Ba4554R	200	197.7	98.9	PASS	100	1.839	PASS
Be3131R	200	187	93.5	PASS	3	-0.0107	PASS
Ca3179R	5000	5082	101.6	PASS	500	-2.49	PASS
Cd2265	200	205	102.5	PASS	3	-0.1653	PASS
Co2286	200	190.3	95.2	PASS	20	-0.3629	PASS
Cr2677	200	215.7	107.9	PASS	5	-0.1486	PASS
Cu3247	200	198.7	99.4	PASS	5	0.271	PASS
Fe2599A	5000	5341	106.8	PASS	50	-6.468	PASS
Fe2599R	5000	5007	100.1	PASS	50	-6.258	PASS
K_7664R	5000	5345	106.9	PASS	500	91.77	PASS
Mg2790R	5000	5117	102.3	PASS	500	10.16	PASS
Mn2576	200	215	107.5	PASS	5	-0.0438	PASS
Na5895R	5000	F 7153.	#VALUE!	#VALUE!	1000	F 1787.	#VALUE!
Ni2316	200	197.7	98.9	PASS	20	-0.171	PASS
Pb2203	200	210.2	105.1	PASS	8	1.99	PASS
Sb2068	200	186	93.0	PASS	20	1.505	PASS
Se1960	200	204.5	102.3	PASS	20	1.164	PASS
Tl1908	200	197.1	98.6	PASS	20	-0.2662	PASS
V_2924	200	202	101.0	PASS	20	-0.4592	PASS
Zn2062	200	209	104.5	PASS	20	0.0082	PASS
Mo2020	200	193.2	96.6	PASS	10	0.0629	PASS
Ti3372	200	197.4	98.7	PASS	10	-0.3179	PASS
B_2089	200	185.9	93.0	PASS	10	0.001	PASS
Si2881A	5000	5050	101.0	PASS	500	-10	PASS
Si2881R	5000	4956	99.1	PASS	500	-18.78	PASS
Sr3464	200	212.9	106.5	PASS	10	-0.43	PASS
Sn1899	200	208.4	104.2	PASS	10	0.9101	PASS

ICAP 6300 QC

Aqueous Prep. Blank (PBW) - ug/L

ELEMENT	PBW-2 B19P12	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	18 Aug 2011	ug/L	ug/L	ug/L	
	11:38:55				
Ag3280	0.549	5	5	-5	PASS
Al3082A	6.831	100	100	-100	PASS
Al3082R	25.67	100	100	-100	PASS
As1890	1.159	8	8	-8	PASS
Ba4554R	0.5185	100	100	-100	PASS
Be3131R	-0.0879	3	3	-3	PASS
Ca3179R	6.794	500	500	-500	PASS
Cd2265	-0.0783	3	3	-3	PASS
Co2286	-0.285	20	20	-20	PASS
Cr2677	-0.3524	5	5	-5	PASS
Cu3247	0.6026	5	5	-5	PASS
Fe2599A	8.725	50	50	-50	PASS
Fe2599R	8.131	50	50	-50	PASS
K_7664R	-138.3	500	500	-500	PASS
Mg2790R	29.28	500	500	-500	PASS
Mn2576	-0.0784	5	5	-5	PASS
Na5895R	20.45	1000	1000	-1000	PASS
Ni2316	-0.3018	20	20	-20	PASS
Pb2203	1.976	8	8	-8	PASS
Sb2068	1.092	20	20	-20	PASS
Se1960	1.174	20	20	-20	PASS
Tl1908	1.031	20	20	-20	PASS
V_2924	-0.3101	20	20	-20	PASS
Zn2062	-0.0035	20	20	-20	PASS
Mo2020	0.2316	10	10	-10	PASS
Ti3372	-0.2932	10	10	-10	PASS
B_2089	0.4294	10	10	-10	PASS
Si2881A	1.694	500	500	-500	PASS
Si2881R	-10.8	500	500	-500	PASS
Sr3464	-0.1536	10	10	-10	PASS
Sn1899	0.2518	10	10	-10	PASS

ICAP 6300 QC

Aqueous LCS (LCSW) - ug/L

ELEMENT	LCSW-3 B19P12	LCSW-4 B19P12	MEAN	SPIKE LEVEL	RPD	% REC	FLAG
	18 Aug 2011	18 Aug 2011	ug/L	ug/L			
	11:43:38	11:48:12					
Ag3280	206	204.8	205.4	200	1.00	94	PASS
Al3082A	4829	4832	4831	5000	0.06	97	PASS
Al3082R	4873	4871	4872.0	5000	0.04	97	PASS
As1890	206.2	204.3	205.3	200	0.93	103	PASS
Ba4554R	206.8	205.1	206.0	200	0.83	103	PASS
Be3131R	207.3	205.6	206	200	0.82	103	PASS
Ca3179R	5156	5157	5156.5	5000	0.02	103	PASS
Cd2265	209.2	209.7	209.5	200	0.24	105	PASS
Co2286	204.7	204.5	204.6	200	0.10	102	PASS
Cr2677	214.1	214	214.1	200	0.05	107	PASS
Cu3247	199.1	199.8	199	200	0.35	100	PASS
Fe2599A	5194	5146	5170	5000	0.93	103	PASS
Fe2599R	5127	5082	5105	5000	0.88	102	PASS
K_7664R	4673	4661	4667.0	5000	0.26	93	PASS
Mg2790R	5119	5166	5143	5000	0.91	103	PASS
Mn2576	216.4	215	215.7	200	0.65	108	PASS
Na5895R	5052	4987	5019.5	5000	1.29	100	PASS
Ni2316	206.5	206.7	206.6	200	0.10	103	PASS
Pb2203	213.1	214.2	213.7	200	0.51	107	PASS
Sb2068	198	199.7	198.9	200	0.85	99	PASS
Se1960	209.2	209.2	209.2	200	0.00	105	PASS
Tl1908	205.7	206.7	206.2	200	0.48	103	PASS
V_2924	207	206.8	206.9	200	0.10	103	PASS
Zn2062	214.6	215.8	215.2	200	0.56	108	PASS
Mo2020	202	201.8	201.9	200	0.10	101	PASS
Ti3372	206.4	206	206.2	200	0.19	103	PASS
B_2089	197.7	195.5	N/A	NO SPIKE	N/A	N/A	N/A
Si2881A	4985	4994	N/A	NO SPIKE	N/A	N/A	N/A
Si2881R	5074	5055	N/A	NO SPIKE	N/A	N/A	N/A
Sr3464	214.3	213.6	N/A	NO SPIKE	N/A	N/A	N/A
Sn1899	210.5	210.2	N/A	NO SPIKE	N/A	N/A	N/A

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03609	AN03609 MS	SPIKE LEVEL	% REC	FLAG	COMMENTS	QUALIFIER
		18 Aug 2011	18 Aug 2011	ug/L				
		11:52:44	11:57:40					
Ag3280	1.33	-0.2011	235	200	117.5	PASS		
Al3082A	25.2	-41.11	3579	5000	71.6	L		
Al3082R	28.2	F -131.7	5001	5000	#VALUE!	#######	#VALUE!	
As1890	4.8	3.343	243.3	200	121.7	K	N/A	* below RL
Ba4554R	27.6	22.17	232.6	200	116.3	PASS		
Be3131R	1.44	1.162	193.2	200	96.6	PASS		
Ca3179R	133	247500	264900	5000	348.0	K		
Cd2265	1.46	-0.0477	210.7	200	105.4	PASS		
Co2286	5.44	2.225	198.3	200	99.2	PASS		
Cr2677	2.9	2.524	227.2	200	113.6	PASS		
Cu3247	5.03	3.211	195	200	97.5	PASS		
Fe2599A	14.2	1.386	5598	5000	112.0	PASS		
Fe2599R	13.7	2.396	5145	5000	102.9	PASS		
K_7664R	154	272100	294700	5000	452.0	K		
Mg2790R	139	791900	816600	5000	494.0	K		
Mn2576	3.04	68.3	296.2	200	114.0	PASS		
Na5895R	274	^ *****	^ *****	5000	#VALUE!	#######	N/A	
Ni2316	5.43	1.939	200.7	200	100.4	PASS		
Pb2203	2.39	1.231	211.8	200	105.9	PASS		
Sb2068	11.2	2.954	212.8	200	106.4	PASS		
Se1960	11.2	5.56	244.9	200	122.5	K		
Tl1908	7.58	-0.8953	174.8	200	87.4	PASS		
V_2924	5.62	0.4747	220.3	200	110.2	PASS		
Zn2062	5.71	13.44	242.6	200	114.6	PASS		
Mo2020	2.7	6.833	205.8	200	99.5	PASS		
Ti3372	2.91	-0.4313	209	200	104.5	PASS		
B_2089	2.5	2476	2662	200	93.0	PASS		
Si2881A	40.45	819.8	4983	5000	83.3	PASS		
Si2881R	50.5	852.3	5148	5000	85.9	PASS		
Sr3464	2.6	4849	5260	200	205.5	K	NA	
Sn1899	2.7	1.77	206.2	200	103.1	PASS		

ICAP 6300 QC MS/SDL - % Difference

ELEMENT	MS Value (ug/L) AN03609 MS	SDL Value (ug/L) AN03609 SDL	% Difference	FLAG	COMMENTS	QUALIFIER
	18 Aug 2011	18 Aug 2011				
	11:57:40	12:02:28				
Ag3280	235	211	10.21	J		
Al3082A	3579	4129	-15.37	< -10%		
Al3082R	5001	4761	4.80	PASS		
As1890	243.3	233	4.23	PASS		
Ba4554R	232.6	233.8	-0.52	PASS		
Be3131R	193.2	190.1	1.60	PASS		
Ca3179R	264900	264000	0.34	PASS		
Cd2265	210.7	209.7	0.47	PASS		
Co2286	198.3	198.4	-0.05	PASS		
Cr2677	227.2	225.1	0.92	PASS		
Cu3247	195	197	-1.03	PASS		
Fe2599A	5598	5537	1.09	PASS		
Fe2599R	5145	5135	0.19	PASS		
K_7664R	294700	269200	8.65	PASS		
Mg2790R	816600	812500	0.50	PASS		
Mn2576	296.2	294.6	0.54	PASS		
Na5895R	^ *****	F 5927000.	#VALUE!	< -10%		
Ni2316	200.7	201.3	-0.30	PASS		
Pb2203	211.8	222.4	-5.00	PASS		
Sb2068	212.8	211.5	0.61	PASS		
Se1960	244.9	240.9	1.63	PASS		
Tl1908	174.8	175.7	-0.51	PASS		
V_2924	220.3	209.7	4.81	PASS		
Zn2062	242.6	243	-0.16	PASS		
Mo2020	205.8	204.5	0.63	PASS		
Ti3372	209	202	3.35	PASS		
B_2089	2662	2596	2.48	PASS		
Si2881A	4983	4819	3.29	PASS		
Si2881R	5148	4901	4.80	PASS		
Sr3464	5260	5259	0.02	PASS		
Sn1899	206.2	214.1	-3.83	PASS		

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 14 ATs (RE-ANALYSIS)

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: R. RECTO

SAMPLE PREPARATION DATE(S): 08/12/11

ANALYSIS DATE: 08/18/11

DATA FILE: ESAT081811

ELEMENT(S) OF INTEREST: As & Pb

COVER PAGE

	Pos ID	Type	Samplename	Comment	Instrument	Method	CorrFact	Check	Check Table	Fail Action
1	1	QC	PBW-2 B19P12		ICAP6300	SOP-C-109	1	☒	PBW	None
2	2	QC	LCSW-3 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
3	3	QC	LCSW-4 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
4	4	Unk	AN03609	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	AN03609 MS	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	AN03609 SDL	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	5	☒	LDR	---
7	7	Unk	AN03609 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	AN03610 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	Unk	AN03611 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
10	10	Unk	AN03611 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
11	11	Unk	AN03612 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
12	12	Unk	AN03613 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
13	13	Unk	AN03614 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
14	14	Unk	AN03615 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
15	15	Unk	AN03616 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
16	16	Unk	AN03617 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
17	17	Unk	AN03618 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
18	18	Unk	AN03619 X2	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
19	19	Unk	AN03619 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
20	20	Unk	AN03620	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
21	21	Unk	AN03621	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
22	22	Unk	AN03622	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---

Sample Name: Blank Acquired: 8/18/2011 10:59:24 Type: Cal
Method: PT_MET(v102) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0010**	**.0099**	**.0015**	**-.0001**	**.0076**	**.0013**	**.0071**	**.0004**	**.0001**	**.0000**	**.0110**
Stddev	.0001	.0003	.0004	.0001	.0014	.0004	.0002	.0001	.0001	.0000	.0005
%RSD	7.752	3.409	29.39	75.36	17.78	30.92	3.154	16.02	140.4	123.1	4.764
#1	-.0010	.0097	.0019	-.0001	.0064	.0008	.0072	.0004	.0002	.0001	.0115
#2	-.0009	.0098	.0016	.0000	.0074	.0015	.0072	.0004	.0002	.0001	.0110
#3	-.0010	.0103	.0010	-.0001	.0091	.0016	.0068	.0003	-.0001	.0000	.0104

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0042**	**.0007**	**-.0098**	**.0002**	**.0005**	**.0639**	**.0000**	**.0002**	**.0001**	**.0001**	**-.0002**
Stddev	.0003	.0002	.0007	.0001	.0001	.0008	.0001	.0001	.0001	.0000	.0000
%RSD	8.257	26.66	6.882	65.96	22.60	1.287	224.5	61.85	125.4	30.28	16.52
#1	.0041	.0005	-.0090	.0001	.0004	.0635	.0001	.0004	.0001	.0001	-.0002
#2	.0040	.0009	-.0100	.0003	.0006	.0649	.0001	.0001	.0001	.0002	-.0003
#3	.0046	.0007	-.0103	.0001	.0005	.0635	.0000	.0002	.0000	.0001	-.0002

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0010**	**-.0001**	**-.0012**	**-.0001**	**.0074**	**.0010**	**-.0006**	**.0000**
Stddev	.0001	.0001	.0001	.0007	.0002	.0003	.0001	.0005	.0001
%RSD	66.66	13.40	127.0	59.32	159.4	3.551	11.39	92.54	410.7
#1	-.0002	.0011	.0000	-.0005	-.0002	.0076	.0011	-.0006	.0001
#2	-.0001	.0009	-.0001	-.0012	-.0003	.0071	.0009	-.0011	-.0001
#3	.0000	.0009	-.0002	-.0020	.0001	.0074	.0010	.0000	.0001

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22020.**	**44424.**	**20782.**
Stddev	285.	246.	368.
%RSD	1.2956	.55429	1.7698
#1	21718.	44376.	21160.
#2	22058.	44205.	20761.
#3	22285.	44690.	20425.

Sample Name: MID STD Acquired: 8/18/2011 11:04:12 Type: Cal
Method: PT_MET(v102) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3864**	**3.463**	**.2335**	**.1855**	**11.68**	**8.803**	**.6818**	**7.317**	**2.416**	**1.058**	**4.516**
Stddev	.0022	.013	.0030	.0008	.12	.043	.0078	.019	.004	.003	.009
%RSD	.5566	.3777	1.283	.4149	1.024	.4942	1.151	.2552	.1464	.2334	.2012
#1	.3883	3.475	.2306	.1846	11.55	8.770	.6734	7.331	2.412	1.057	4.518
#2	.3868	3.467	.2366	.1862	11.78	8.853	.6889	7.324	2.419	1.060	4.524
#3	.3841	3.449	.2333	.1856	11.71	8.787	.6831	7.296	2.415	1.055	4.506

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.636**	**.4180**	**.1348**	**.0778**	**16.95**	**.5203**	**1.272**	**.5360**	**.2970**	**.1431**	**.2665**
Stddev	.007	.0017	.0003	.0003	.27	.0026	.003	.0009	.0021	.0009	.0013
%RSD	.2740	.4013	.2147	.3886	1.572	.5015	.2493	.1691	.7172	.6603	.4841
#1	2.637	.4161	.1351	.0774	16.87	.5203	1.274	.5363	.2945	.1438	.2666
#2	2.642	.4194	.1349	.0778	16.74	.5229	1.273	.5367	.2984	.1434	.2678
#3	2.628	.4184	.1345	.0780	17.25	.5177	1.268	.5350	.2980	.1420	.2652

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.703**	**3.127**	**1.603**	**10.75**	**.8186**	**.7623**	**.1200**	**2.946**	**.4424**
Stddev	.014	.021	.006	.10	.0024	.0008	.0013	.007	.0013
%RSD	.3688	.6680	.3865	.9391	.2908	.1027	1.074	.2477	.2937
#1	3.701	3.103	1.608	10.81	.8164	.7622	.1186	2.948	.4426
#2	3.718	3.141	1.604	10.64	.8211	.7632	.1211	2.952	.4436
#3	3.691	3.137	1.596	10.82	.8183	.7616	.1202	2.938	.4410

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22662.**	**45353.**	**20427.**
Stddev	139.	254.	166.
%RSD	.61206	.56037	.81247
#1	22723.	45296.	20255.
#2	22759.	45631.	20439.
#3	22503.	45132.	20586.

Sample Name: HIGH STD Acquired: 8/18/2011 11:08:57 Type: Cal
Method: PT_MET(v102) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7521**	**6.751**	**.4646**	**.3744**	**23.21**	**16.86**	**1.350**	**14.38**	**4.845**	**2.087**	**8.965**
Stddev	.0044	.029	.0011	.0031	.22	.19	.002	.06	.035	.029	.035
%RSD	.5895	.4376	.2436	.8192	.9344	1.156	.1348	.4424	.7175	1.408	.3895
#1	.7481	6.777	.4638	.3759	23.05	17.02	1.351	14.46	4.860	2.072	8.935
#2	.7569	6.757	.4659	.3709	23.13	16.65	1.351	14.34	4.806	2.121	8.956
#3	.7512	6.719	.4641	.3764	23.46	16.92	1.348	14.36	4.870	2.068	9.003

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.247**	**.8238**	**.2778**	**.1550**	**33.03**	**.9724**	**2.531**	**1.068**	**.6032**	**.2847**	**.5252**
Stddev	.121	.0072	.0016	.0008	.76	.0053	.015	.010	.0062	.0008	.0015
%RSD	2.310	.8695	.5843	.5284	2.305	.5493	.5783	.9455	1.036	.2970	.2926
#1	5.141	.8317	.2788	.1555	32.36	.9785	2.540	1.076	.6040	.2850	.5250
#2	5.379	.8218	.2760	.1554	33.86	.9702	2.514	1.057	.5966	.2837	.5239
#3	5.222	.8178	.2788	.1540	32.88	.9686	2.539	1.071	.6090	.2853	.5269

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.305**	**6.253**	**3.213**	**21.35**	**1.642**	**1.475**	**.2400**	**5.858**	**.8718**
Stddev	.030	.100	.007	.10	.006	.005	.0005	.018	.0080
%RSD	.4046	1.597	.2067	.4552	.3413	.3554	.2111	.3005	.9174
#1	7.274	6.320	3.219	21.35	1.641	1.470	.2396	5.851	.8773
#2	7.333	6.138	3.206	21.44	1.637	1.477	.2406	5.845	.8626
#3	7.307	6.301	3.214	21.25	1.648	1.480	.2399	5.878	.8755

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22419.**	**45170.**	**20071.**
Stddev	181.	515.	135.
%RSD	.80940	1.1395	.67334
#1	22610.	45737.	19964.
#2	22397.	44733.	20026.
#3	22249.	45038.	20223.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	-0.000956	0.000761	0.000000	1.000000	0.999909	0.520307	1.560921	5.203069
Al 396.152 { 85}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.009931	0.000666	0.000000	1.000000	0.999934	1.434675	4.304025	14.346751
Al 396.152 { 85}2	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.001524	0.000044	0.000000	1.000000	1.000000	0.106822	0.320467	1.068222
As 189.042 {478}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	-0.000076	0.000037	0.000000	1.000000	0.999991	0.522978	1.568935	5.229782
Ba 455.403 { 74}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.007654	0.002325	0.000000	1.000000	0.999996	0.334802	1.004406	3.348020
Be 313.107 {108}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.001411	0.001710	0.000000	1.000000	0.999792	2.499746	7.499237	24.997456
Ca 317.933 {106}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.007062	0.000134	0.000000	1.000000	0.999998	0.271682	0.815047	2.716822
Cd 226.502 {449}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000419	0.001447	0.000000	1.000000	0.999967	1.001172	3.003517	10.011723
Co 228.616 {447}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000090	0.000484	0.000000	1.000000	0.999999	0.171621	0.514862	1.716208
Cr 267.716 {126}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000043	0.000210	0.000000	1.000000	0.999980	0.767318	2.301954	7.673179
Cu 324.754 {104}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.010992	0.000899	0.000000	1.000000	0.999996	0.355996	1.067989	3.559964
Fe 259.940 {130}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.004225	0.000525	0.000000	1.000000	0.999998	0.215870	0.647610	2.158700
Fe 259.940 {130}2	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000728	0.000083	0.000000	1.000000	0.999979	0.795368	2.386105	7.953682
K 766.490 { 44}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	-0.009773	0.000029	0.000000	1.000000	0.999997	0.321892	0.965677	3.218922
Mg 279.079 {121}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000166	0.000016	0.000000	1.000000	0.999999	0.138306	0.414919	1.383063
Mn 257.610 {131}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000661	0.003332	0.000000	1.000000	0.999925	1.500912	4.502736	15.009121
Na 589.592 { 57}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.063935	0.000091	0.000000	1.000000	0.999998	0.268136	0.804408	2.681360
Ni 231.604 {445}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000034	0.000253	0.000000	1.000000	0.999997	0.300073	0.900220	3.000732
Pb 220.353 {453}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000221	0.000107	0.000000	1.000000	0.999999	0.208865	0.626594	2.088648
Sb 206.833 {463}	8/18/2011 11:14:38	8/18/2011 11:14:38	Linear	1/Conc	0.000062	0.000061	0.000000	1.000000	0.999973	0.881773	2.645319	8.817729
Se 196.090 {472}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	0.000134	0.000028	0.000000	1.000000	0.999997	0.287187	0.861562	2.871874
Tl 190.856 {477}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	-0.000220	0.000053	0.000000	1.000000	0.999974	0.874937	2.624810	8.749367
V 292.402 {115}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	-0.000092	0.000735	0.000000	1.000000	0.999979	0.798909	2.396726	7.989085
Zn 206.200 {463}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	0.000993	0.000626	0.000000	1.000000	1.000000	0.000950	0.002851	0.009505
Mo 202.030 {467}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	-0.000089	0.000321	0.000000	1.000000	0.999999	0.136021	0.408064	1.360214
Ti 337.280 {100}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	-0.001207	0.002141	0.000000	1.000000	0.999994	0.438440	1.315319	4.384396
B 208.959 {461}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	-0.000145	0.000156	0.000000	1.000000	0.999999	0.180255	0.540764	1.802546
Si 288.158 {117}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	0.007364	0.000147	0.000000	1.000000	0.999911	1.642245	4.926734	16.422447
Si 288.158 {117}2	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	0.000993	0.000024	0.000000	1.000000	0.999998	0.260621	0.781862	2.606206
Sr 346.446 { 97}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	-0.000565	0.000587	0.000000	1.000000	0.999996	0.334016	1.002049	3.340164
Sn 189.989 {477}	8/18/2011 11:14:39	8/18/2011 11:14:39	Linear	1/Conc	0.000037	0.000088	0.000000	1.000000	0.999976	0.849368	2.548103	8.493676
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/18/2011 11:14:45 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**195.8**	**4803.**	**4858.**	**195.5**	**195.4**	**197.5**	**5069.**	**200.2**	**193.2**	**207.9**	**202.9**
Stddev	2.0	29.	30.	.3	1.6	.3	25.	.3	.6	1.0	1.4
%RSD	1.032	.6139	.6252	.1712	.8124	.1694	.4922	.1709	.3241	.4593	.6784
#1	194.5	4783.	4893.	195.7	196.7	197.2	5095.	200.1	193.7	208.9	204.1
#2	194.7	4790.	4843.	195.7	193.7	197.9	5046.	199.9	192.5	207.0	201.4
#3	198.1	4837.	4838.	195.1	195.9	197.5	5066.	200.6	193.2	207.9	203.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5105.**	**5087.**	**5021.**	**5094.**	**208.8**	**4937.**	**197.4**	**202.4**	**195.6**	**196.9**	**200.6**
Stddev	37.	11.	42.	9.	1.2	28.	1.2	1.3	4.5	2.2	1.8
%RSD	.7323	.2215	.8291	.1864	.5663	.5581	.5929	.6537	2.288	1.124	.9019
#1	5063.	5098.	4978.	5105.	207.4	4957.	197.6	201.1	199.9	197.6	202.5
#2	5116.	5075.	5026.	5088.	209.5	4948.	196.2	203.8	195.7	194.4	200.3
#3	5136.	5086.	5060.	5088.	209.4	4906.	198.5	202.3	191.0	198.7	198.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**196.6**	**199.3**	**198.1**	**197.8**	**206.0**	**4962.**	**4995.**	**204.9**	**204.2**
Stddev	2.0	.5	.4	.6	1.1	25.	37.	.9	1.5
%RSD	.9989	.2639	.2117	.3028	.5130	.4964	.7369	.4180	.7356
#1	196.1	199.9	198.6	198.0	206.5	4970.	5033.	203.9	205.6
#2	195.0	198.9	197.9	197.2	206.8	4935.	4959.	205.4	202.6
#3	198.8	199.0	197.9	198.3	204.8	4982.	4995.	205.3	204.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23408.**	**45813.**	**19010.**
Stddev	106.	373.	232.
%RSD	.45471	.81499	1.2220
#1	23293.	46200.	18824.
#2	23504.	45455.	19270.
#3	23427.	45782.	18936.

Sample Name: ICB Acquired: 8/18/2011 11:19:23 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6510	-3.635	-15.08	-.2023	.3088	-.0171	-8.709	.0381	-.0482	-.1171	.2755
Stddev	.5704	.544	15.44	.7858	.2653	.1987	1.837	.0144	.2465	.4725	.5533
%RSD	87.62	14.97	102.4	388.3	85.92	1164.	21.09	37.73	511.0	403.6	200.8
#1	.4312	-3.959	-32.27	.6304	.5633	-.1588	-10.83	.0300	.1494	.1065	.3399
#2	1.299	-3.007	-10.57	-.3068	.3294	-.1024	-7.612	.0296	.0303	.2021	.7937
#3	.2232	-3.940	-2.392	-.9306	.0338	.2101	-7.685	.0547	-.3244	-.6599	-.3072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.230	-4.895	-102.1	-16.76	.4183	-128.4	-.4902	1.261	.8128	1.974	1.461
Stddev	.329	.814	34.4	10.10	.0202	13.0	.1418	1.014	2.196	2.702	.599
%RSD	6.297	16.62	33.74	60.25	4.837	10.12	28.94	80.44	270.1	136.9	40.99
#1	-5.439	-3.960	-106.6	-27.95	.4391	-140.7	-.4558	1.744	3.304	5.064	2.117
#2	-5.400	-5.288	-65.64	-8.323	.4171	-114.8	-.6461	.0955	-.0242	.0501	1.320
#3	-4.850	-5.438	-134.1	-14.01	.3987	-129.7	-.3687	1.944	-.8412	.8093	.9452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1651	.0973	.7912	.1755	3.676	-3.947	-26.67	-.0651	-.0022
Stddev	.0763	.1359	.1399	.0743	.314	1.649	14.51	.7478	.8242
%RSD	46.20	139.6	17.68	42.34	8.545	41.77	54.43	1149.	37910.
#1	.1039	-.0213	.8144	.2225	3.313	-2.178	-10.83	-.9286	.6576
#2	.1409	.0677	.6412	.0898	3.854	-4.223	-29.84	.3605	.2619
#3	.2506	.2456	.9180	.2143	3.861	-5.441	-39.33	.3729	-.9261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23151.	45619.	19726.
Stddev	92.	684.	696.
%RSD	.39890	1.4995	3.5283
#1	23106.	44943.	20184.
#2	23090.	46311.	18925.
#3	23257.	45603.	20068.

Sample Name: RL Acquired: 8/18/2011 11:24:10 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.825**	**106.5**	**123.5**	**9.889**	**98.62**	**2.921**	**499.4**	**2.933**	**19.38**	**5.659**	**11.27**
Stddev	1.022	1.2	5.8	1.151	.77	.447	4.0	.173	.29	.418	.18
%RSD	17.54	1.172	4.673	11.64	.7845	15.29	.8087	5.915	1.501	7.395	1.571
#1	6.463	105.3	123.0	9.854	97.74	3.435	495.3	3.119	19.22	6.143	11.15
#2	6.365	107.8	129.6	8.755	99.20	2.711	503.4	2.905	19.71	5.409	11.47
#3	4.646	106.2	118.0	11.06	98.92	2.619	499.5	2.776	19.20	5.427	11.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.37**	**47.59**	**434.4**	**501.8**	**5.743**	**839.1**	**19.67**	**10.14**	**18.40**	**21.81**	**19.38**
Stddev	.51	3.28	67.9	9.2	.040	20.8	.16	.86	3.88	4.06	.50
%RSD	1.024	6.882	15.63	1.826	.7014	2.484	.8153	8.480	21.08	18.59	2.568
#1	49.84	50.32	416.5	507.3	5.697	823.1	19.77	10.64	19.22	17.24	19.32
#2	49.42	48.49	377.3	491.3	5.761	862.6	19.75	9.145	14.18	24.98	18.91
#3	48.84	43.96	509.5	507.0	5.771	831.5	19.48	10.63	21.81	23.22	19.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.78**	**22.57**	**10.48**	**10.07**	**11.34**	**512.5**	**494.3**	**9.843**	**11.69**
Stddev	.22	.18	.02	.24	.22	4.3	16.7	.587	1.49
%RSD	1.102	.7912	.2196	2.406	1.923	.8487	3.383	5.962	12.73
#1	19.53	22.66	10.50	10.14	11.55	513.2	490.8	9.277	12.53
#2	19.88	22.36	10.45	9.802	11.12	516.4	512.5	9.803	9.968
#3	19.92	22.69	10.49	10.27	11.34	507.8	479.6	10.45	12.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23668.	45204.	18950.
Stddev	125.	155.	522.
%RSD	.52621	.34368	2.7552
#1	23812.	45168.	19384.
#2	23595.	45070.	18371.
#3	23598.	45374.	19095.

Sample Name: 2RL Acquired: 8/18/2011 11:28:54 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.53**	**202.5**	**208.5**	**19.40**	**197.7**	**5.982**	**1021.**	**6.067**	**40.13**	**10.96**	**21.93**
Stddev	.68	1.1	16.5	.46	.9	.183	5.	.081	.18	.37	.45
%RSD	6.416	.5619	7.896	2.389	.4573	3.060	.4652	1.341	.4390	3.390	2.032
#1	10.54	201.2	190.9	19.06	198.7	5.926	1023.	6.081	40.33	10.59	22.00
#2	9.849	203.0	223.5	19.93	197.6	5.833	1025.	6.140	40.05	10.95	22.33
#3	11.20	203.3	211.1	19.22	196.9	6.186	1016.	5.979	40.00	11.33	21.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**103.0**	**100.5**	**895.9**	**1014.**	**11.06**	**1852.**	**39.71**	**16.74**	**42.95**	**41.32**	**42.74**
Stddev	.5	1.3	22.1	29.	.09	22.	.32	2.63	2.34	2.18	1.21
%RSD	.5216	1.332	2.468	2.825	.8303	1.187	.8137	15.71	5.441	5.279	2.827
#1	103.7	100.7	876.2	995.4	11.08	1873.	39.35	14.85	40.61	39.39	41.39
#2	102.7	101.8	891.6	1000.	10.96	1829.	39.80	15.63	42.95	40.89	43.10
#3	102.7	99.10	919.8	1047.	11.14	1855.	39.97	19.74	45.28	43.68	43.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.00**	**46.02**	**20.39**	**20.26**	**21.62**	**1009.**	**1009.**	**20.87**	**22.62**
Stddev	.68	.35	.40	.57	.19	4.	5.	.83	.83
%RSD	1.711	.7579	1.941	2.800	.8612	.4132	.4679	3.991	3.657
#1	40.45	46.03	20.85	20.89	21.44	1006.	1014.	21.58	23.56
#2	40.33	45.67	20.15	19.79	21.62	1014.	1004.	19.95	22.02
#3	39.21	46.37	20.18	20.10	21.81	1008.	1010.	21.07	22.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23916.**	**46620.**	**18733.**
Stddev	96.	323.	391.
%RSD	.39938	.69214	2.0862
#1	24009.	46991.	19184.
#2	23818.	46460.	18490.
#3	23920.	46409.	18526.

Sample Name: IOS Acquired: 8/18/2011 11:33:38 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3816	^F *****	302500.	1.212	.0849	.2340	291200.	1.867	-1.074	-.1457	4.325
Stddev	.1334	-----	1206.	1.846	.3205	.1584	3671.	.582	.151	1.065	.548
%RSD	34.96	-----	.3985	152.4	377.4	67.68	1.261	31.17	14.07	730.8	12.68
#1	-.3109	^ -----	303000.	1.980	-.2367	.4168	293600.	1.481	-.9124	-1.320	3.958
#2	-.5355	^ -----	303400.	2.549	.4042	.1455	287000.	2.537	-1.212	.7579	4.956
#3	-.2984	^ -----	301100.	-.8947	.0872	.1396	292900.	1.584	-1.098	.1245	4.062
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	295700.	-103.8	299600.	.0452	293300.	-1.830	-1.849	-9.668	2.244	2.162
Stddev	-----	9642.	32.3	864.	.0513	3660.	1.340	.783	2.861	5.046	1.579
%RSD	-----	3.261	31.14	.2883	113.4	1.248	73.21	42.38	29.59	224.8	73.04
#1	^ -----	298200.	-141.1	300100.	.0877	293900.	-2.105	-2.161	-11.80	7.892	.7539
#2	^ -----	285000.	-85.37	300000.	-.0118	289300.	-3.011	-2.428	-6.416	-1.821	1.862
#3	^ -----	303800.	-84.91	298600.	.0598	296600.	-.3742	-.9572	-10.79	.6618	3.869
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.429	2.692	-1.878	1.488	-3.303	-7.263	5.152	1.809	3.154
Stddev	.625	.095	.417	.165	1.123	3.852	8.548	.862	.874
%RSD	43.76	3.515	22.22	11.10	34.02	53.03	165.9	47.68	27.71
#1	-1.237	2.783	-2.360	1.394	-3.835	-10.87	-4.128	.9017	3.953
#2	-.9217	2.594	-1.651	1.391	-2.012	-3.209	6.877	2.618	2.221
#3	-2.127	2.701	-1.623	1.679	-4.061	-7.707	12.71	1.907	3.287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	21980.	42657.	19161.
Stddev	146.	310.	196.
%RSD	.66271	.72602	1.0228
#1	22013.	42895.	18988.
#2	22107.	42306.	19374.
#3	21821.	42768.	19123.

Sample Name: PBW-2 B19P12 Acquired: 8/18/2011 11:38:55 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5490**	**6.831**	**25.67**	**1.159**	**.5185**	**-.0879**	**6.794**	**-.0783**	**-.2850**	**-.3524**	**.6026**
Stddev	.4446	1.690	27.46	.943	.2896	.0144	1.656	.0205	.1994	.4571	.2648
%RSD	80.97	24.74	107.0	81.40	55.85	16.37	24.38	26.22	69.97	129.7	43.94
#1	.8808	8.572	57.10	.2369	.2506	-.0713	5.840	-.0818	-.2682	-.3285	.4842
#2	.7225	6.723	6.341	1.117	.8257	-.0964	8.706	-.0563	-.4922	-.8210	.9059
#3	.0439	5.197	13.57	2.122	.4792	-.0959	5.834	-.0969	-.0945	.0923	.4176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.725**	**8.131**	**-138.3**	**29.28**	**-.0784**	**20.45**	**-.3018**	**1.976**	**1.092**	**1.174**	**1.031**
Stddev	2.152	3.029	33.6	23.83	.0631	36.19	.4534	1.170	2.616	4.236	2.606
%RSD	24.66	37.25	24.28	81.40	80.54	176.9	150.2	59.22	239.6	360.9	252.7
#1	11.14	10.74	-114.6	3.222	-.0386	50.32	.2185	2.262	-.1771	-3.179	2.232
#2	8.025	8.838	-176.7	49.98	-.1511	30.83	-.5116	.6892	4.100	5.283	2.820
#3	7.011	4.811	-123.5	34.64	-.0453	-19.79	-.6124	2.977	-.6476	1.418	-1.958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3101**	**-.0035**	**.2316**	**-.2932**	**.4294**	**1.694**	**-10.80**	**-.1536**	**.2518**
Stddev	.2892	.2124	.0617	.1724	1.512	7.637	20.91	.8542	1.124
%RSD	93.27	6068.	26.63	58.81	352.0	450.9	193.6	556.1	446.5
#1	-.3488	-.2253	.1605	-.3119	.6027	-1.178	12.79	-.4478	-.9753
#2	-.5780	.1981	.2693	-.1122	1.847	10.35	-18.12	.8088	.4984
#3	-.0035	.0167	.2651	-.4555	-1.161	-4.091	-27.07	-.8218	1.232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24200.**	**45736.**	**18824.**
Stddev	45.	730.	681.
%RSD	.18707	1.5964	3.6154
#1	24237.	44957.	19270.
#2	24212.	45848.	18041.
#3	24149.	46404.	19161.

Sample Name: LCSW-3 B19P12 Acquired: 8/18/2011 11:43:38 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.0**	**4829.**	**4873.**	**206.2**	**206.8**	**207.3**	**5156.**	**209.2**	**204.7**	**214.1**	**199.1**
Stddev	2.7	71.	37.	3.7	1.0	1.4	20.	1.0	.7	1.7	4.3
%RSD	1.304	1.461	.7598	1.790	.4983	.6979	.3899	.4690	.3590	.7994	2.170
#1	209.1	4909.	4870.	204.7	206.5	207.3	5134.	210.3	204.7	215.6	203.6
#2	204.5	4777.	4911.	210.4	208.0	208.8	5160.	209.0	205.5	212.2	195.0
#3	204.3	4801.	4838.	203.4	206.0	205.9	5174.	208.3	204.0	214.3	198.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5194.**	**5127.**	**4673.**	**5119.**	**216.4**	**5052.**	**206.5**	**213.1**	**198.0**	**209.2**	**205.7**
Stddev	64.	54.	26.	50.	2.1	23.	.7	2.6	6.3	2.7	.6
%RSD	1.241	1.049	.5468	.9799	.9681	.4490	.3314	1.233	3.198	1.291	.2745
#1	5247.	5127.	4644.	5142.	218.4	5070.	206.0	215.9	197.3	212.0	205.1
#2	5214.	5180.	4691.	5153.	216.6	5060.	207.3	212.5	204.7	206.7	206.3
#3	5122.	5073.	4684.	5062.	214.3	5027.	206.2	210.8	192.1	208.7	205.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**207.0**	**214.6**	**202.0**	**206.4**	**197.7**	**4985.**	**5074.**	**214.3**	**210.5**
Stddev	3.2	1.0	.5	2.7	1.3	83.	29.	2.2	.5
%RSD	1.558	.4506	.2491	1.303	.6455	1.673	.5724	1.020	.2330
#1	210.7	215.5	202.3	209.5	196.9	5072.	5064.	216.5	210.8
#2	204.6	214.7	202.2	204.5	199.1	4906.	5051.	214.4	210.8
#3	205.8	213.5	201.4	205.2	197.0	4978.	5107.	212.1	210.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24336.**	**46726.**	**18893.**
Stddev	522.	242.	279.
%RSD	2.1433	.51840	1.4772
#1	24094.	46467.	18626.
#2	23979.	46766.	19183.
#3	24935.	46947.	18871.

Sample Name: LCSW-4 B19P12 Acquired: 8/18/2011 11:48:12 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**204.8**	**4832.**	**4871.**	**204.3**	**205.1**	**205.6**	**5157.**	**209.7**	**204.5**	**214.0**	**199.8**
Stddev	1.5	26.	21.	1.4	.1	1.2	17.	.6	.8	1.5	.8
%RSD	.7491	.5399	.4238	.6873	.0672	.5610	.3224	.2671	.3766	.6993	.3955
#1	206.4	4855.	4892.	203.2	205.0	205.1	5155.	209.9	204.6	215.7	200.7
#2	203.3	4804.	4869.	205.9	205.2	206.9	5141.	210.0	205.2	212.9	199.2
#3	204.8	4836.	4851.	203.7	205.3	204.8	5174.	209.0	203.7	213.4	199.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5146.**	**5082.**	**4661.**	**5166.**	**215.0**	**4987.**	**206.7**	**214.2**	**199.7**	**209.2**	**206.7**
Stddev	22.	49.	50.	19.	.5	12.	.7	1.3	2.8	2.7	2.0
%RSD	.4353	.9645	1.062	.3768	.2460	.2455	.3267	.6028	1.384	1.297	.9652
#1	5146.	5059.	4626.	5148.	214.5	4994.	207.1	213.6	202.4	212.1	208.9
#2	5124.	5139.	4638.	5187.	214.9	4995.	207.1	215.7	196.9	208.7	205.0
#3	5169.	5049.	4718.	5163.	215.5	4973.	205.9	213.4	199.9	206.7	206.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.8**	**215.8**	**201.8**	**206.0**	**195.5**	**4994.**	**5055.**	**213.6**	**210.2**
Stddev	2.2	.9	1.3	1.1	.7	47.	11.	.2	.3
%RSD	1.065	.4123	.6329	.5291	.3626	.9503	.2174	.0821	.1467
#1	208.4	214.8	203.1	206.9	194.8	5033.	5064.	213.8	209.9
#2	204.3	216.6	201.8	204.8	196.2	4941.	5058.	213.4	210.3
#3	207.6	215.8	200.5	206.3	195.4	5009.	5042.	213.7	210.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24439.**	**46778.**	**18649.**
Stddev	350.	550.	48.
%RSD	1.4305	1.1751	.25860
#1	24786.	46520.	18689.
#2	24087.	46405.	18663.
#3	24444.	47409.	18596.

Sample Name: AN03609 Acquired: 8/18/2011 11:52:44 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2011**	**-41.11**	F **-131.7**	**3.343**	**22.17**	**1.162**	**247500.**	**-.0477**	**2.225**	**2.524**	**3.211**
Stddev	.6006	4.47	37.7	3.735	.50	.656	3468.	.1598	.161	.295	.175
%RSD	298.7	10.87	28.61	111.7	2.237	56.48	1.401	335.2	7.250	11.69	5.467
#1	.4625	-42.18	-173.4	6.729	21.63	.4133	250900.	-.1193	2.370	2.840	3.366
#2	-.3585	-44.94	-121.7	-.6637	22.27	1.435	247600.	.1354	2.254	2.256	3.246
#3	-.7073	-36.20	-100.1	3.963	22.61	1.638	243900.	-.1591	2.051	2.477	3.020
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.								
Low Limit			-50.00								

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.386**	**2.396**	**272100.**	**791900.**	**68.30**	^ *****	**1.939**	**1.231**	**2.954**	**5.560**	**-.8953**
Stddev	1.377	4.577	4388.	2622.	.61	----	.581	2.417	.799	6.004	1.578
%RSD	99.30	191.1	1.613	.3311	.8879	----	29.96	196.4	27.07	108.0	176.3
#1	2.025	7.558	267500.	788900.	67.65	^ ----	2.365	-1.519	3.665	5.481	-2.162
#2	2.327	-1.166	272400.	792800.	68.86	^ -----	2.174	3.017	2.088	-.4041	.8728
#3	-.1937	.7943	276300.	793900.	68.40	^ -----	1.277	2.195	3.108	11.60	-1.397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4747**	**13.44**	**6.833**	**-.4313**	**2476.**	**819.8**	**852.3**	**4849.**	**1.770**
Stddev	1.121	.22	.169	.3183	29.	6.4	15.6	42.	2.164
%RSD	236.2	1.653	2.471	73.79	1.158	.7858	1.833	.8568	122.2
#1	-.5874	13.24	6.897	-.1889	2506.	825.4	857.3	4801.	4.231
#2	1.647	13.39	6.641	-.3133	2473.	812.8	864.7	4874.	.9117
#3	.3648	13.68	6.960	-.7918	2449.	821.1	834.7	4872.	.1673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**19486.**	**34622.**	**15499.**
Stddev	270.	681.	872.
%RSD	1.3875	1.9675	5.6251
#1	19192.	34992.	16489.
#2	19541.	33836.	15164.
#3	19724.	35038.	14845.

Sample Name: AN03609 MS Acquired: 8/18/2011 11:57:40 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**235.0**	**3579.**	**5001.**	**243.3**	**232.6**	**193.2**	**264900.**	**210.7**	**198.3**	**227.2**	**195.0**
Stddev	.4	23.	28.	.6	.7	1.1	5016.	.4	.8	.6	.7
%RSD	.1769	.6481	.5498	.2313	.2895	.5608	1.893	.2134	.4084	.2746	.3548
#1	234.5	3601.	4974.	243.7	231.9	194.4	259600.	210.2	197.9	226.8	194.7
#2	235.3	3582.	5000.	243.4	232.8	193.1	265500.	211.1	197.7	227.9	195.8
#3	235.0	3555.	5029.	242.7	233.2	192.2	269600.	210.6	199.2	226.8	194.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5598.**	**5145.**	**294700.**	**816600.**	**296.2**	^ *****	**200.7**	**211.8**	**212.8**	**244.9**	**174.8**
Stddev	41.	27.	3303.	1913.	2.3	-----	.8	3.8	5.2	5.5	1.8
%RSD	.7255	.5312	1.121	.2342	.7855	-----	.4101	1.812	2.449	2.241	1.016
#1	5638.	5175.	291000.	817700.	298.5	^ -----	201.6	207.4	207.3	238.8	174.5
#2	5557.	5136.	295900.	817700.	293.8	3138000.	200.4	213.9	213.5	246.5	173.3
#3	5599.	5123.	297300.	814400.	296.3	^ -----	200.1	214.1	217.6	249.5	176.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**220.3**	**242.6**	**205.8**	**209.0**	**2662.**	**4983.**	**5148.**	**5260.**	**206.2**
Stddev	1.6	2.8	1.1	.7	9.	18.	20.	15.	2.6
%RSD	.7355	1.171	.5293	.3373	.3299	.3520	.3966	.2886	1.265
#1	221.6	239.6	207.0	209.8	2672.	4981.	5130.	5275.	203.3
#2	220.9	242.8	205.6	208.8	2656.	5002.	5170.	5245.	207.1
#3	218.5	245.3	204.8	208.4	2657.	4967.	5143.	5258.	208.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**19519.**	**34045.**	**13838.**
Stddev	195.	202.	434.
%RSD	.99781	.59329	3.1364
#1	19726.	33813.	14297.
#2	19490.	34187.	13784.
#3	19340.	34134.	13433.

Sample Name: AN03609 SDL Acquired: 8/18/2011 12:02:28 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 5.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**211.0**	**4129.**	**4761.**	**233.0**	**233.8**	**190.1**	**264000.**	**209.7**	**198.4**
Stddev	8.1	20.	115.	10.7	1.8	1.0	1699.	.7	.6
%RSD	3.858	.4764	2.407	4.595	.7621	.5149	.6435	.3385	.3080
#1	207.1	4136.	4650.	220.7	234.7	191.2	265800.	208.9	198.0
#2	220.4	4145.	4879.	239.8	234.9	189.7	262500.	210.3	198.1
#3	205.6	4107.	4755.	238.6	231.7	189.4	263600.	209.8	199.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**225.1**	**197.0**	**5537.**	**5135.**	**269200.**	**812500.**	**294.6**	F **5927000.**	**201.3**
Stddev	1.2	2.3	18.	53.	121.	3685.	1.1	84580.	5.5
%RSD	.5167	1.161	.3317	1.024	.0448	.4535	.3827	1.427	2.714
#1	224.0	196.9	5558.	5101.	269200.	816500.	295.9	5831000.	207.5
#2	224.9	194.8	5526.	5196.	269100.	811900.	294.0	5990000.	198.9
#3	226.3	199.4	5526.	5110.	269300.	809200.	293.9	5960000.	197.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**222.4**	**211.5**	**240.9**	**175.7**	**209.7**	**243.0**	**204.5**	**202.0**	**2596.**
Stddev	13.1	16.2	36.3	9.9	1.1	1.7	5.7	2.2	26.
%RSD	5.877	7.639	15.07	5.614	.5005	.6859	2.764	1.065	1.003
#1	228.2	194.5	249.6	164.8	209.2	241.8	210.3	200.0	2580.
#2	207.4	213.3	201.0	183.9	210.9	244.9	199.0	201.8	2626.
#3	231.5	226.7	272.0	178.4	209.1	242.3	204.2	204.3	2581.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**4819.**	**4901.**	**5259.**	**214.1**
Stddev	13.	81.	13.	6.8
%RSD	.2613	1.646	.2566	3.158
#1	4830.	4993.	5275.	211.6
#2	4823.	4843.	5252.	209.0
#3	4805.	4867.	5252.	221.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**21940.**	**38081.**	**13491.**
Stddev	102.	412.	236.
%RSD	.46366	1.0815	1.7522
#1	21974.	37700.	13764.
#2	22020.	38025.	13356.
#3	21826.	38518.	13354.

Sample Name: AN03609 X2 Acquired: 8/18/2011 12:07:15 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.037	-32.24	F -55.93	4.399	12.51	1.025	124200.	-.0596	1.073
Stddev	.466	1.21	33.94	3.292	1.12	.384	1315.	.1136	.357
%RSD	44.97	3.750	60.68	74.85	8.971	37.49	1.059	190.7	33.30
#1	-1.503	-33.13	-80.55	7.946	11.26	.7393	125500.	-.1457	1.131
#2	-1.037	-32.72	-70.01	1.442	13.42	1.462	122800.	-.1021	.6896
#3	-.5707	-30.86	-17.22	3.808	12.85	.8744	124300.	.0692	1.397
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.346	2.474	-3.335	-2.041	133400.	389300.	33.54	F 2192000.	.8041
Stddev	.480	.679	.952	2.486	1273.	1370.	.31	68670.	.8634
%RSD	20.45	27.46	28.54	121.8	.9541	.3519	.9104	3.133	107.4
#1	2.586	2.181	-2.452	-4.503	132300.	390900.	33.82	2251000.	1.533
#2	2.658	1.991	-3.209	-2.087	133100.	388600.	33.58	2209000.	1.029
#3	1.794	3.251	-4.343	.4685	134800.	388500.	33.21	2117000.	-.1494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9063	-.6867	1.677	-1.122	-.7007	6.772	3.116	-1.174	1168.
Stddev	2.805	6.947	2.448	.560	.5530	.109	.375	.526	1.
%RSD	309.5	1012.	145.9	49.89	78.92	1.607	12.04	44.83	.1062
#1	-2.322	-5.815	-1.068	-1.548	-.1225	6.660	3.546	-1.374	1168.
#2	2.294	7.220	2.468	-1.331	-1.224	6.877	2.945	-.5769	1169.
#3	2.747	-3.466	3.632	-.4881	-.7552	6.779	2.857	-1.571	1166.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	383.2	411.8	2418.	.4499
Stddev	4.7	10.3	20.	.5826
%RSD	1.226	2.503	.8235	129.5
#1	382.9	403.5	2433.	.5749
#2	388.0	408.5	2425.	.9597
#3	378.6	423.4	2395.	-.1851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20541.	36077.	13576.
Stddev	393.	248.	216.
%RSD	1.9122	.68877	1.5921
#1	20960.	36289.	13782.
#2	20481.	35804.	13597.
#3	20181.	36139.	13351.

Sample Name: AN03610 X2 Acquired: 8/18/2011 12:12:04 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2970**	**-13.41**	F **-67.67**	**6.523**	**12.51**	**.7262**	**126300.**	**-.1743**	**-.7726**
Stddev	.1191	2.17	33.82	.501	.24	.1589	1028.	.0860	.2287
%RSD	40.10	16.14	49.98	7.683	1.908	21.88	.8144	49.31	29.60
#1	-.3653	-11.64	-33.66	6.169	12.77	.5882	127300.	-.1919	-.5134
#2	-.1595	-15.83	-101.3	7.096	12.30	.8999	126200.	-.0809	-.9459
#3	-.3662	-12.77	-68.05	6.303	12.47	.6905	125300.	-.2502	-.8586
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.099**	**2.868**	**50.18**	**46.89**	**137000.**	**394500.**	**36.72**	F **2234000.**	**.9808**
Stddev	.633	.465	1.36	6.17	1170.	510.	.05	77170.	.4610
%RSD	30.15	16.20	2.702	13.15	.8539	.1293	.1446	3.454	47.00
#1	2.171	3.337	49.88	48.27	135700.	394600.	36.66	2252000.	1.271
#2	2.693	2.408	49.00	40.16	137300.	395000.	36.74	2300000.	1.222
#3	1.433	2.858	51.66	52.26	137900.	394000.	36.76	2149000.	.4493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.670**	**.2864**	**9.853**	**-.7530**	**-1.054**	**7.835**	**3.312**	**-.2667**	**1181.**
Stddev	3.489	3.428	3.592	1.621	.528	.039	.463	.4475	6.
%RSD	208.9	1197.	36.45	215.3	50.09	.4919	13.97	167.8	.5374
#1	3.306	-.8141	13.97	-.6348	-1.634	7.796	2.971	.0464	1186.
#2	4.041	-2.456	7.357	.8059	-.9283	7.874	3.839	-.7793	1183.
#3	-2.336	4.130	8.233	-2.430	-.6004	7.836	3.126	-.0671	1174.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**459.8**	**473.0**	**2487.**	**.8608**
Stddev	6.6	9.3	2.	1.336
%RSD	1.443	1.967	.0788	155.2
#1	456.2	472.8	2488.	-.4197
#2	467.5	463.9	2489.	.7563
#3	455.7	482.5	2485.	2.246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20489.**	**35434.**	**13197.**
Stddev	13.	185.	45.
%RSD	.06217	.52082	.34146
#1	20499.	35243.	13218.
#2	20474.	35611.	13146.
#3	20493.	35447.	13228.

Sample Name: AN03611 X2 Acquired: 8/18/2011 12:16:52 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0485	-31.76	F -61.10	3.290	12.98	1.048	123100.	-.0425	-.0217
Stddev	.9950	.42	33.46	4.843	.68	.599	433.	.2498	.4566
%RSD	2053.	1.336	54.76	147.2	5.256	57.16	.3516	588.2	2108.
#1	-.2063	-31.46	-63.63	1.051	13.76	1.164	123300.	.1443	-.3426
#2	1.146	-31.57	-93.23	-.0278	12.62	1.582	123500.	.0546	-.2235
#3	-.7944	-32.24	-26.46	8.847	12.54	.3999	122700.	-.3263	.5011
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.896	2.919	-2.250	-3.176	135200.	385600.	33.10	F 2229000.	.4855
Stddev	1.191	1.141	.289	5.722	1394.	303.	.14	21740.	.5509
%RSD	62.80	39.09	12.85	180.2	1.031	.0785	.4107	.9753	113.5
#1	.9850	1.971	-2.582	-9.746	133600.	385800.	33.21	2204000.	.5709
#2	3.244	4.186	-2.111	-.4949	135900.	385800.	33.15	2241000.	-.1031
#3	1.460	2.601	-2.056	.7146	136100.	385300.	32.95	2242000.	.9887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.477	7.147	9.265	-1.250	-.5130	6.336	3.020	-.9908	1153.
Stddev	3.638	5.100	.661	1.381	.4739	.166	.238	.3791	2.
%RSD	246.3	71.35	7.136	110.5	92.39	2.616	7.898	38.26	.1537
#1	5.578	6.754	9.957	-1.519	-.7038	6.502	2.756	-1.285	1153.
#2	.2162	12.43	8.639	-2.477	-.8617	6.336	3.084	-1.125	1154.
#3	-1.363	2.255	9.198	.2462	.0266	6.170	3.220	-.5629	1151.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	386.0	405.0	2420.	1.042
Stddev	.7	26.9	8.	.686
%RSD	.1845	6.651	.3466	65.78
#1	385.7	421.1	2430.	1.790
#2	386.9	420.1	2418.	.8940
#3	385.6	373.9	2413.	.4432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20605.	35382.	12723.
Stddev	316.	471.	29.
%RSD	1.5350	1.3326	.22450
#1	20374.	34866.	12695.
#2	20965.	35790.	12723.
#3	20476.	35490.	12752.

Sample Name: AN03611 X100 Acquired: 8/18/2011 12:21:42 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2513**	**-5.950**	**8.950**	**2.871**	**3.651**	**.1550**	**5482.**	**-.0854**	**-.4962**	**.2951**	**1.425**
Stddev	1.071	.749	29.65	1.404	.597	.6350	21.	.2045	.3130	.8448	.400
%RSD	426.2	12.58	331.3	48.89	16.36	409.7	.3869	239.4	63.08	286.3	28.07
#1	-.2582	-6.780	-25.14	4.478	4.156	.8561	5506.	-.3133	-.2876	1.122	1.236
#2	1.482	-5.744	28.82	1.881	3.805	-.0098	5469.	.0823	-.3450	.3298	1.154
#3	-.4700	-5.326	23.17	2.255	2.992	-.3813	5470.	-.0253	-.8561	-.5665	1.884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.187**	**-7.167**	**5594.**	**17170.**	**1.297**	**147700.**	**-.0653**	**2.306**	**4.423**	**6.130**	**-.7927**
Stddev	1.262	2.312	14.	64.	.032	1103.	.4504	1.447	2.941	.981	1.685
%RSD	20.39	32.26	.2538	.3735	2.500	.7465	690.0	62.76	66.49	16.00	212.6
#1	-4.812	-9.743	5579.	17230.	1.294	148600.	-.5826	1.117	6.455	5.769	-2.123
#2	-6.458	-6.488	5597.	17110.	1.266	148100.	.2396	1.884	5.763	5.381	-1.357
#3	-7.291	-5.271	5607.	17160.	1.331	146500.	.1472	3.917	1.051	7.240	1.102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.216**	**.0563**	**.1327**	**-.5835**	**50.79**	**12.33**	**.8318**	**108.6**	**1.902**
Stddev	.624	.1403	.4276	.1674	1.65	2.77	15.44	.8	.471
%RSD	51.33	249.2	322.2	28.68	3.239	22.48	1857.	.7565	24.74
#1	-1.902	.0040	-.1512	-.6603	52.68	15.36	14.70	108.0	2.395
#2	-.6811	.2152	-.0752	-.3915	49.68	9.934	3.613	108.3	1.853
#3	-1.065	-.0503	.6245	-.6986	50.01	11.68	-15.81	109.6	1.458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23582.**	**40068.**	**12968.**
Stddev	214.	363.	183.
%RSD	.90602	.90499	1.4100
#1	23825.	39823.	12760.
#2	23491.	40485.	13038.
#3	23428.	39897.	13105.

Sample Name: CCV Acquired: 8/18/2011 12:26:23 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**196.0**	**5256.**	**4885.**	**196.6**	**196.2**	**174.0**	**5119.**	**207.7**	**190.1**	**217.6**	**194.6**
Stddev	2.0	11.	30.	1.3	.7	1.8	25.	.7	.6	1.7	1.0
%RSD	1.001	.2114	.6150	.6453	.3388	1.014	.4940	.3398	.2920	.7864	.5258
#1	194.4	5248.	4875.	197.9	195.7	172.4	5092.	207.9	190.7	217.5	194.0
#2	195.3	5269.	4918.	196.6	196.9	175.9	5142.	208.3	189.8	216.0	194.1
#3	198.2	5252.	4861.	195.3	195.9	173.8	5124.	206.9	189.7	219.4	195.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5325.**	**5015.**	**5215.**	**5166.**	**215.3**	F **9492.**	**196.7**	**215.1**	**178.2**	**207.5**	**198.6**
Stddev	47.	3.	102.	56.	1.7	212.	1.6	1.6	3.0	5.5	3.1
%RSD	.8857	.0648	1.955	1.079	.8099	2.236	.7961	.7418	1.681	2.639	1.564
#1	5338.	5011.	5312.	5110.	216.1	9718.	198.2	214.7	181.5	212.0	195.5
#2	5273.	5017.	5224.	5222.	213.3	9461.	196.9	216.8	175.7	201.4	198.6
#3	5365.	5016.	5109.	5166.	216.5	9297.	195.1	213.7	177.5	209.1	201.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						5000.					
Range						20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.8**	**217.1**	**190.6**	**193.5**	**178.1**	**5014.**	**4959.**	**214.3**	**214.8**
Stddev	2.2	.7	.7	1.4	1.6	30.	22.	.9	.8
%RSD	1.092	.3149	.3500	.7201	.8953	.5919	.4494	.4095	.3545
#1	197.0	217.6	191.3	193.2	179.5	4995.	4960.	215.3	215.6
#2	198.2	217.4	190.5	192.2	176.3	5000.	4981.	214.0	214.2
#3	201.2	216.3	189.9	195.0	178.4	5049.	4936.	213.6	214.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24446.**	**43308.**	**13531.**
Stddev	152.	347.	182.
%RSD	.62117	.80092	1.3447
#1	24482.	43324.	13322.
#2	24279.	42954.	13656.
#3	24577.	43647.	13615.

Sample Name: CCB Acquired: 8/18/2011 12:30:56 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2298**	**-3.534**	**11.87**	**.3391**	**1.281**	**.2507**	**-7.283**	**-.1880**	**-.0461**	**.1039**	**.5387**
Stddev	.8520	.320	7.02	2.499	.293	.2570	6.969	.1136	.2843	1.062	.3987
%RSD	370.8	9.044	59.14	736.8	22.87	102.5	95.69	60.42	616.3	1022.	74.01
#1	-.4477	-3.600	4.949	3.014	1.158	.4654	.7612	-.0738	-.0874	-.4179	.0876
#2	.7100	-3.815	11.67	-1.935	1.069	-.0341	-11.12	-.3009	.2566	1.326	.6847
#3	-.9516	-3.186	18.98	-.0613	1.615	.3206	-11.49	-.1892	-.3075	-.5963	.8438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.260**	**-5.862**	**-102.2**	**5.494**	**-.0006**	**F 2765.**	**-.1344**	**.4105**	**3.908**	**3.281**	**-1.152**
Stddev	.228	5.797	58.0	10.77	.0302	99.	.2631	1.420	1.889	5.639	1.050
%RSD	3.646	98.89	56.73	196.0	5434.	3.573	195.9	345.9	48.33	171.9	91.17
#1	-6.001	-4.782	-39.59	16.11	.0333	2878.	-.0812	1.861	2.726	9.733	-2.359
#2	-6.431	-.6812	-154.0	5.791	-.0249	2726.	-.4200	.3470	6.087	-.7047	-.6552
#3	-6.349	-12.12	-112.9	-5.420	-.0100	2692.	.0982	-.9765	2.912	.8136	-.4424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						1000.					
Low Limit						-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1755**	**-.1920**	**.0118**	**-.3765**	**-.0866**	**-7.369**	**-18.04**	**.0831**	**.2131**
Stddev	.4963	.1098	.1854	.0758	1.677	5.762	10.00	1.024	1.567
%RSD	282.8	57.18	1565.	20.12	1937.	78.18	55.44	1232.	735.3
#1	-.1577	-.2659	-.2020	-.2891	.3457	-2.442	-14.43	.1139	-.5903
#2	.3117	-.2444	.1108	-.4204	-1.937	-13.70	-10.35	1.091	-.7894
#3	-.6804	-.0659	.1268	-.4201	1.332	-5.962	-29.35	-.9557	2.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24326.**	**43659.**	**15582.**
Stddev	182.	710.	151.
%RSD	.74793	1.6252	.96990
#1	24472.	44369.	15535.
#2	24122.	43660.	15751.
#3	24383.	42950.	15460.

Sample Name: AN03612 X2 Acquired: 8/18/2011 12:35:40 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0795**	**101.2**	**95.99**	**3.576**	**12.35**	**1.088**	**124600.**	**.0092**	**-.3625**
Stddev	.3382	1.8	27.83	2.906	.35	.247	996.	.1385	.1379
%RSD	425.4	1.809	29.00	81.27	2.827	22.70	.7988	1510.	38.04
#1	.1421	103.0	65.63	6.672	12.59	.8801	124400.	.0406	-.4962
#2	.0881	99.37	102.0	3.151	12.51	1.024	123800.	.1292	-.3704
#3	-.4688	101.2	120.3	.9061	11.95	1.361	125700.	-.1423	-.2208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.031**	**4.112**	**401.9**	**374.1**	**132600.**	**391500.**	**50.52**	F **2275000.**	**2.039**
Stddev	.629	.695	3.0	12.0	1545.	1190.	.29	25930.	.664
%RSD	30.99	16.90	.7502	3.201	1.165	.3041	.5828	1.140	32.57
#1	1.854	4.824	404.7	387.9	130900.	390400.	50.72	2303000.	1.635
#2	2.729	4.078	402.4	367.4	132700.	391300.	50.67	2251000.	1.677
#3	1.508	3.435	398.7	367.0	134000.	392800.	50.18	2272000.	2.806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.949**	**3.826**	**5.676**	**-1.255**	**-.0749**	**10.97**	**2.800**	**4.506**	**1196.**
Stddev	2.585	7.085	3.073	2.049	.4900	.11	.212	.299	4.
%RSD	32.53	185.2	54.14	163.4	654.5	.9593	7.572	6.631	.3065
#1	5.075	-2.328	5.726	1.111	.1897	11.05	2.613	4.762	1200.
#2	10.09	11.57	2.578	-2.396	-.6402	10.85	2.757	4.578	1193.
#3	8.687	2.235	8.724	-2.480	.2260	11.00	3.030	4.178	1194.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**794.7**	**831.9**	**2439.**	**.7573**
Stddev	7.7	18.4	12.	1.948
%RSD	.9686	2.209	.5094	257.3
#1	793.4	810.9	2444.	-.3168
#2	803.0	839.5	2448.	-.4174
#3	787.8	845.2	2425.	3.006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20734.	36746.	14405.
Stddev	175.	518.	246.
%RSD	.84616	1.4104	1.7098
#1	20789.	36430.	14583.
#2	20875.	36463.	14509.
#3	20538.	37344.	14124.

Sample Name: AN03613 X2 Acquired: 8/18/2011 12:40:30 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5168	-31.48	F -65.36	3.727	12.41	.9913	123200.	.1064	1.140
Stddev	.5220	.92	16.18	3.212	.23	.2311	167.	.0935	.216
%RSD	101.0	2.912	24.76	86.18	1.864	23.32	.1353	87.93	18.94
#1	-1.118	-31.65	-56.92	7.425	12.37	.7469	123100.	.1221	1.338
#2	-.2556	-30.49	-84.02	2.123	12.21	1.206	123400.	.0060	.9099
#3	-.1769	-32.30	-55.13	1.633	12.66	1.021	123100.	.1911	1.172
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.777	1.608	-2.650	-.8655	133500.	385000.	37.90	F 2170000.	.8257
Stddev	.784	1.349	.304	5.577	1822.	217.	.21	95580.	.4547
%RSD	44.12	83.89	11.45	644.4	1.365	.0563	.5667	4.404	55.07
#1	.9568	.4666	-2.795	-4.136	131500.	385100.	37.68	2060000.	1.342
#2	2.519	1.260	-2.855	5.574	134000.	385200.	37.92	2229000.	.6485
#3	1.856	3.096	-2.301	-4.035	135000.	384800.	38.11	2222000.	.4863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.735	4.798	5.615	-1.167	-.3895	6.253	3.414	-.8752	1149.
Stddev	3.198	1.997	4.134	1.218	.4793	.073	.156	.2412	4.
%RSD	116.9	41.63	73.63	104.3	123.0	1.162	4.567	27.56	.3766
#1	.6508	6.761	9.008	-.1763	-.6734	6.337	3.292	-.6229	1150.
#2	6.418	2.768	1.010	-.7983	.1638	6.214	3.360	-1.104	1152.
#3	1.137	4.865	6.827	-2.527	-.6590	6.208	3.590	-.8991	1144.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	386.8	411.0	2431.	.3714
Stddev	5.9	21.3	12.	1.428
%RSD	1.515	5.194	.5028	384.6
#1	380.1	425.0	2420.	.0683
#2	389.9	421.6	2430.	1.927
#3	390.5	386.5	2444.	-.8808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20999.	35867.	13696.
Stddev	62.	299.	489.
%RSD	.29309	.83331	3.5694
#1	21016.	36210.	14246.
#2	20930.	35721.	13533.
#3	21050.	35669.	13310.

Sample Name: AN03614 X2 Acquired: 8/18/2011 12:45:20 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3163	24.80	14.30	-1.230	13.17	.9781	124900.	.0075	-.2624
Stddev	1.432	1.00	15.39	1.522	.42	.2270	964.	.0654	.3430
%RSD	452.5	4.038	107.6	123.7	3.170	23.21	.7716	867.0	130.7
#1	1.955	24.19	6.245	.4219	13.20	1.170	125400.	.0117	.0710
#2	-.6910	24.25	4.612	-1.537	12.74	.7275	125400.	-.0599	-.6143
#3	-.3150	25.95	32.05	-2.576	13.57	1.037	123800.	.0708	-.2440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.141	6.506	169.0	151.4	137100.	388800.	43.06	F 2268000.	1.620
Stddev	1.070	.939	1.9	3.5	1152.	1360.	.30	60930.	.517
%RSD	34.07	14.44	1.117	2.320	.8402	.3498	.6918	2.687	31.94
#1	3.235	7.528	167.0	153.5	135900.	388900.	42.85	2241000.	1.844
#2	4.162	5.680	170.8	153.4	137300.	390100.	43.40	2225000.	1.028
#3	2.027	6.310	169.1	147.4	138200.	387400.	42.92	2338000.	1.987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.819	3.749	2.858	-3.241	-.6450	10.76	3.095	1.503	1164.
Stddev	3.282	4.558	4.824	1.141	.4480	.02	.180	.385	7.
%RSD	180.5	121.6	168.8	35.20	69.45	.2145	5.824	25.60	.6125
#1	-1.612	.1064	8.424	-4.287	-.9740	10.73	2.889	1.839	1172.
#2	4.928	8.860	-.1133	-3.411	-.8263	10.78	3.175	1.588	1164.
#3	2.141	2.280	.2636	-2.025	-.1349	10.76	3.222	1.083	1158.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	569.2	591.0	2465.	1.036
Stddev	4.5	7.7	7.	1.122
%RSD	.7984	1.296	.2922	108.3
#1	570.3	582.6	2458.	1.779
#2	573.0	593.0	2472.	1.584
#3	564.1	597.5	2465.	-.2550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20704.	35400.	12696.
Stddev	184.	343.	268.
%RSD	.88677	.96865	2.1087
#1	20493.	35110.	12714.
#2	20824.	35311.	12954.
#3	20795.	35778.	12420.

Sample Name: AN03615 X2 Acquired: 8/18/2011 12:50:07 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1860**	**-30.92**	F **-62.34**	**.3886**	**13.01**	**1.210**	**123700.**	**-.1594**	**.6349**
Stddev	.4749	1.17	26.48	2.554	.39	.430	830.	.2733	.1712
%RSD	255.4	3.790	42.48	657.1	2.979	35.57	.6711	171.4	26.96
#1	-.3141	-29.57	-48.67	-.7839	13.44	1.512	124000.	-.4520	.5827
#2	.3398	-31.63	-45.48	-1.368	12.70	1.402	124300.	.0894	.8260
#3	-.5836	-31.58	-92.86	3.318	12.89	.7172	122700.	-.1156	.4958
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.346**	**3.294**	**-4.557**	**-4.177**	**138000.**	**385600.**	**36.25**	F **2206000.**	**1.002**
Stddev	.414	1.337	.655	5.179	1511.	1264.	.46	32520.	.416
%RSD	17.63	40.60	14.38	124.0	1.095	.3278	1.276	1.474	41.49
#1	2.788	1.932	-4.894	-10.13	136200.	386200.	35.90	2171000.	1.429
#2	2.282	4.604	-4.976	-1.638	138800.	386500.	36.07	2211000.	.5978
#3	1.969	3.346	-3.802	-.7571	138900.	384200.	36.77	2236000.	.9798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.386**	**6.151**	**8.024**	**-3.189**	**-.5888**	**7.446**	**3.322**	**-.8722**	**1150.**
Stddev	1.242	7.638	1.440	3.304	.5103	.296	.402	.2525	4.
%RSD	36.67	124.2	17.94	103.6	86.68	3.973	12.11	28.95	.3784
#1	4.008	-1.742	6.836	-6.360	-.8107	7.256	3.744	-.6121	1152.
#2	4.194	13.51	9.626	-3.439	-.0050	7.787	3.279	-.8882	1152.
#3	1.956	6.689	7.612	.2335	-.9505	7.296	2.943	-1.116	1145.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**396.2**	**417.2**	**2461.**	**.6921**
Stddev	2.2	22.9	19.	1.648
%RSD	.5549	5.479	.7738	238.1
#1	398.2	393.0	2442.	2.429
#2	393.9	438.5	2461.	.4980
#3	396.4	420.2	2480.	-.8504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20478.**	**34982.**	**12585.**
Stddev	195.	922.	169.
%RSD	.95248	2.6363	1.3458
#1	20414.	36008.	12779.
#2	20697.	34715.	12504.
#3	20323.	34222.	12471.

Sample Name: AN03616 X2 Acquired: 8/18/2011 12:54:57 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2557	37.32	37.21	4.499	13.10	1.241	125800.	.0103	-.4647
Stddev	.4937	.86	77.74	1.205	.70	.440	259.	.0937	.4989
%RSD	193.0	2.295	208.9	26.79	5.345	35.42	.2062	914.3	107.4
#1	-.0339	38.31	-19.21	4.341	13.57	1.572	126100.	.1142	-1.040
#2	-.0247	36.88	4.963	5.776	13.43	1.408	125700.	-.0156	-.1914
#3	.8257	36.78	125.9	3.381	12.30	.7423	125600.	-.0679	-.1621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.564	2.766	198.8	173.5	140100.	389000.	43.54	F 2206000.	1.332
Stddev	.977	.995	2.8	2.4	939.	484.	.33	27360.	1.400
%RSD	38.10	35.96	1.386	1.370	.6703	.1244	.7609	1.240	105.1
#1	3.122	3.452	201.8	172.3	139000.	389200.	43.92	2236000.	.4123
#2	3.134	1.625	196.3	171.9	140400.	389300.	43.34	2182000.	2.943
#3	1.436	3.222	198.3	176.2	140800.	388400.	43.35	2200000.	.6401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.399	.4220	8.370	-4.620	-1.201	7.566	3.132	1.530	1155.
Stddev	2.659	2.296	6.094	1.145	1.812	.099	.382	.412	2.
%RSD	78.24	544.1	72.81	24.77	151.0	1.313	12.20	26.94	.2151
#1	1.097	.4339	11.93	-5.671	-2.834	7.504	3.204	1.874	1153.
#2	6.310	-1.880	11.85	-4.789	-1.516	7.681	3.474	1.073	1158.
#3	2.790	2.712	1.334	-3.401	.7489	7.515	2.720	1.643	1155.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	596.6	632.7	2506.	1.885
Stddev	4.5	17.9	8.	.786
%RSD	.7501	2.823	.3173	41.71
#1	601.6	613.2	2515.	1.035
#2	593.1	648.3	2504.	2.036
#3	595.0	636.5	2499.	2.586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20168.	33900.	12222.
Stddev	144.	426.	124.
%RSD	.71447	1.2577	1.0153
#1	20223.	33604.	12131.
#2	20276.	33706.	12172.
#3	20004.	34388.	12363.

Sample Name: AN03617 X2 Acquired: 8/18/2011 12:59:44 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3881	-30.42	F -73.75	7.684	12.83	1.030	125900.	-.0294	.9251
Stddev	1.057	1.18	46.18	6.868	.54	.341	1031.	.0610	.6159
%RSD	272.3	3.865	62.62	89.38	4.194	33.14	.8189	207.4	66.58
#1	.8275	-29.44	-96.17	1.730	13.32	.6408	126400.	.0397	1.284
#2	-1.089	-31.72	-20.64	6.125	12.25	1.279	126700.	-.0757	1.278
#3	-.9022	-30.09	-104.4	15.20	12.91	1.170	124800.	-.0522	.2139
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.230	2.590	-2.256	-.9610	141200.	389600.	35.43	F 2273000.	.3702
Stddev	.911	1.115	.525	4.118	1269.	1020.	.14	117200.	.2650
%RSD	40.86	43.05	23.25	428.5	.8991	.2618	.4073	5.159	71.59
#1	3.276	1.503	-1.972	-5.223	139800.	390800.	35.27	2195000.	.5724
#2	1.809	2.536	-1.935	2.995	141600.	389000.	35.50	2216000.	.4680
#3	1.606	3.731	-2.862	-.6555	142200.	389100.	35.53	2408000.	.0702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.457	4.316	9.147	-2.500	-.6786	6.217	2.425	-1.384	1161.
Stddev	2.728	1.314	1.307	2.677	.1169	.534	.455	.263	7.
%RSD	49.99	30.44	14.29	107.1	17.22	8.597	18.76	18.98	.6380
#1	8.152	5.704	7.789	-5.355	-.8018	5.826	2.950	-1.121	1170.
#2	5.521	4.152	9.256	-2.099	-.5693	6.826	2.150	-1.386	1158.
#3	2.697	3.092	10.40	-.0465	-.6648	5.998	2.175	-1.646	1156.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	386.4	392.8	2500.	.7953
Stddev	3.1	21.0	8.	.5412
%RSD	.8013	5.341	.3359	68.04
#1	385.4	412.5	2491.	1.291
#2	389.9	395.2	2507.	.2182
#3	384.0	370.7	2503.	.8765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20036.	34429.	11981.
Stddev	354.	372.	389.
%RSD	1.7667	1.0803	3.2465
#1	20428.	34827.	12389.
#2	19938.	34370.	11939.
#3	19741.	34090.	11614.

Sample Name: AN03618 X2 Acquired: 8/18/2011 13:04:34 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1748	42.10	35.05	3.912	13.57	1.169	126200.	-.1236	-.2441
Stddev	.7329	2.03	19.43	2.364	.46	.459	375.	.1813	.4060
%RSD	419.2	4.818	55.44	60.43	3.412	39.21	.2975	146.7	166.3
#1	-.4324	44.05	15.33	1.755	13.12	1.238	126600.	-.1735	.1532
#2	.6521	40.00	35.63	6.439	14.05	1.590	126100.	-.2748	-.2273
#3	-.7441	42.25	54.18	3.542	13.53	.6804	125800.	.0774	-.6582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.391	3.474	216.9	193.7	143300.	393900.	43.04	F 2301000.	1.360
Stddev	.386	.566	1.8	8.4	1518.	843.	.28	11090.	.603
%RSD	11.37	16.29	.8337	4.319	1.060	.2140	.6403	.4820	44.32
#1	2.956	4.119	214.8	199.9	141500.	394600.	42.77	2300000.	1.510
#2	3.689	3.245	218.3	184.2	144100.	394100.	43.32	2290000.	.6962
#3	3.530	3.059	217.5	197.0	144200.	392900.	43.02	2313000.	1.873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.140	4.533	6.566	-2.304	-.9768	8.186	3.485	1.994	1177.
Stddev	.815	4.201	1.311	1.800	.9388	.225	.853	.072	6.
%RSD	71.47	92.67	19.96	78.13	96.11	2.753	24.49	3.590	.4857
#1	.2049	9.182	8.061	-2.182	-.6624	8.427	2.730	1.914	1181.
#2	1.697	1.009	6.018	-4.162	-.2356	8.149	4.411	2.052	1178.
#3	1.517	3.409	5.617	-.5680	-2.033	7.981	3.313	2.017	1170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	607.2	619.5	2539.	1.015
Stddev	8.4	19.9	13.	.468
%RSD	1.384	3.212	.4976	46.12
#1	597.9	621.8	2525.	1.114
#2	614.2	598.5	2545.	1.426
#3	609.5	638.1	2548.	.5054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	19910.	33922.	11926.
Stddev	192.	626.	320.
%RSD	.96658	1.8446	2.6822
#1	20083.	34578.	12166.
#2	19945.	33856.	11563.
#3	19702.	33332.	12051.

Sample Name: AN03619 X2 Acquired: 8/18/2011 13:09:22 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.037	-30.83	F -83.91	5.997	13.66	1.167	126200.	-.1264	.5816
Stddev	.900	2.85	12.31	3.595	.39	.679	491.	.2403	.5071
%RSD	86.79	9.247	14.67	59.94	2.831	58.20	.3889	190.2	87.20
#1	-2.074	-30.79	-72.41	2.138	14.10	.4097	126800.	.0793	1.128
#2	-.4561	-27.99	-82.43	6.603	13.41	1.370	126100.	-.3906	.4903
#3	-.5811	-33.69	-96.90	9.251	13.45	1.723	125800.	-.0678	.1263
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			810000.						
Low Limit			-50.00						

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.916	2.354	-1.610	-1.634	143600.	389000.	34.39	F 2160000.	.8737
Stddev	1.227	.778	.174	7.548	1342.	1537.	.05	40960.	.5821
%RSD	42.09	33.05	10.82	462.0	.9347	.3950	.1456	1.896	66.62
#1	3.685	2.827	-1.410	-9.224	142100.	390800.	34.33	2176000.	1.246
#2	3.562	1.456	-1.695	5.872	143900.	388300.	34.43	2114000.	1.172
#3	1.501	2.778	-1.725	-1.550	144800.	388000.	34.39	2191000.	.2030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								675000.	
Low Limit								-500.0	

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22.27	5.971	6.377	-1.034	-1.136	6.299	3.120	-.9778	1151.
Stddev	3.00	1.403	5.445	2.751	.846	.245	.246	.2500	4.
%RSD	13.48	23.49	85.39	266.1	74.45	3.886	7.885	25.57	.3782
#1	19.77	5.230	11.67	2.135	-.9370	6.095	3.000	-1.085	1155.
#2	21.46	5.095	.7942	-2.428	-2.064	6.570	3.403	-.6921	1152.
#3	25.60	7.589	6.663	-2.809	-.4079	6.233	2.958	-1.156	1147.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	390.9	391.6	2529.	.3492
Stddev	1.8	4.5	2.	.7408
%RSD	.4661	1.148	.0682	212.1
#1	392.9	392.6	2529.	-.1541
#2	390.5	386.7	2531.	.0019
#3	389.3	395.6	2527.	1.200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	20157.	33526.	11580.
Stddev	176.	339.	103.
%RSD	.87106	1.0105	.89141
#1	19954.	33910.	11700.
#2	20265.	33403.	11520.
#3	20251.	33267.	11522.

Sample Name: AN03619 X100 Acquired: 8/18/2011 13:14:12 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2236	-5.686	23.00	3.860	3.502	.5377	5338.	-.2482	-.6037	1.367	2.820
Stddev	.2381	1.619	37.20	2.953	.332	.1494	39.	.1174	.3087	.634	.586
%RSD	106.5	28.47	161.7	76.50	9.488	27.78	.7212	47.31	51.14	46.39	20.77
#1	.2843	-7.249	-19.16	2.149	3.139	.7052	5306.	-.1163	-.2897	1.488	2.505
#2	-.0390	-5.792	51.21	7.269	3.790	.4894	5381.	-.2870	-.9069	1.932	2.460
#3	.4254	-4.016	36.95	2.162	3.577	.4183	5328.	-.3412	-.6144	.6809	3.496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.620	-1.704	5608.	16570.	1.269	146800.	-.6237	.5483	1.454	10.71	-2.882
Stddev	.656	2.992	94.	36.	.044	895.	.4093	2.183	1.370	5.31	1.214
%RSD	9.903	175.6	1.679	.2190	3.442	.6094	65.63	398.1	94.23	49.57	42.13
#1	-6.325	1.300	5647.	16590.	1.258	147600.	-.9621	3.069	1.988	11.46	-1.484
#2	-6.163	-1.728	5676.	16530.	1.317	147100.	-.7403	-.6978	2.478	5.066	-3.494
#3	-7.371	-4.684	5501.	16590.	1.232	145900.	-.1688	-.7260	-.1027	15.61	-3.670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9204	-.0780	-.0923	-.4392	48.14	6.594	-.6562	107.4	1.548
Stddev	.9901	.2092	.3437	.3469	.78	2.765	27.69	1.4	.236
%RSD	107.6	268.4	372.3	78.98	1.611	41.93	4220.	1.277	15.27
#1	-1.906	.1087	-.3835	-.1908	48.83	8.864	-28.49	106.7	1.328
#2	.0737	-.0384	-.1803	-.2913	47.30	7.402	26.89	106.5	1.798
#3	-.9286	-.3041	.2868	-.8355	48.28	3.515	-.3608	109.0	1.519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23072.	39579.	12038.
Stddev	223.	15.	280.
%RSD	.96480	.03822	2.3260
#1	23326.	39562.	12346.
#2	22911.	39591.	11799.
#3	22978.	39583.	11969.

Sample Name: AN03620 Acquired: 8/18/2011 13:18:53 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4188**	**720.4**	**686.6**	**7.937**	**32.93**	**-.1525**	**6683.**	**.1886**	**2.557**	**19.54**	**21.38**
Stddev	.8886	20.3	32.9	1.350	1.19	.3844	53.	.1661	.040	.19	.62
%RSD	212.2	2.815	4.796	17.01	3.618	252.2	.7913	88.07	1.562	.9838	2.910
#1	-.8057	733.6	715.7	6.756	33.68	.2332	6699.	.2297	2.518	19.54	21.87
#2	.5977	730.6	650.9	7.648	33.56	-.1549	6727.	.3304	2.555	19.35	20.68
#3	-1.048	697.1	693.4	9.408	31.56	-.5357	6624.	.0058	2.597	19.73	21.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18800.**	**17350.**	**496.6**	**1543.**	**396.9**	**6075.**	**22.45**	**1914.**	**2.272**	**6.454**	**-1.876**
Stddev	445.	32.	86.7	23.	5.1	520.	.59	18.	1.230	2.534	1.361
%RSD	2.369	.1817	17.46	1.483	1.289	8.554	2.647	.9437	54.15	39.26	72.55
#1	19310.	17310.	584.2	1521.	402.4	6593.	22.11	1931.	.8522	6.684	-.4911
#2	18500.	17360.	410.9	1566.	396.1	6079.	23.14	1915.	2.946	3.813	-3.211
#3	18590.	17370.	494.6	1542.	392.3	5553.	22.10	1895.	3.019	8.865	-1.925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.848**	**53.47**	**4.309**	**23.31**	**1.068**	**1267.**	**1176.**	**38.69**	**2.442**
Stddev	.178	.31	.497	.31	1.237	43.	25.	1.20	.378
%RSD	9.623	.5814	11.52	1.309	115.8	3.363	2.089	3.107	15.47
#1	2.053	53.60	3.768	22.96	-.3206	1248.	1171.	39.69	2.797
#2	1.743	53.11	4.417	23.50	1.474	1315.	1154.	39.02	2.484
#3	1.748	53.69	4.744	23.47	2.051	1236.	1203.	37.35	2.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24612.**	**42150.**	**13602.**
Stddev	273.	914.	680.
%RSD	1.1079	2.1685	4.9977
#1	24298.	41330.	13055.
#2	24759.	41985.	13388.
#3	24780.	43136.	14363.

Sample Name: CCV Acquired: 8/18/2011 13:23:41 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**195.8**	**5132.**	**4910.**	**195.0**	**196.1**	**179.8**	**5054.**	**205.8**	**189.8**	**215.3**	**193.7**
Stddev	1.4	63.	11.	.5	.3	.3	14.	1.0	.4	1.7	.2
%RSD	.7301	1.223	.2289	.2568	.1699	.1659	.2842	.4890	.2105	.7910	.1135
#1	194.9	5116.	4897.	195.5	196.3	179.5	5070.	206.8	189.8	213.6	193.7
#2	197.4	5201.	4917.	194.9	196.2	179.9	5044.	205.7	190.2	217.0	194.0
#3	195.1	5079.	4915.	194.5	195.7	180.0	5047.	204.8	189.4	215.3	193.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5395.**	**4986.**	**5186.**	**5161.**	**217.6**	**F 9144.**	**195.9**	**212.9**	**183.6**	**200.8**	**196.3**
Stddev	27.	15.	59.	56.	1.1	158.	.9	6.5	3.6	5.2	2.6
%RSD	.4999	.2910	1.137	1.084	.4825	1.726	.4768	3.041	1.946	2.591	1.345
#1	5422.	4975.	5253.	5117.	218.5	9273.	197.0	218.5	185.6	200.8	193.4
#2	5394.	5002.	5147.	5143.	217.9	9191.	195.5	205.8	185.6	206.0	198.5
#3	5368.	4980.	5157.	5224.	216.4	8968.	195.3	214.5	179.4	195.6	196.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						5000.					
Range						20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.1**	**212.7**	**190.7**	**195.2**	**181.5**	**4981.**	**4914.**	**214.9**	**211.4**
Stddev	.7	.5	1.0	.8	.8	32.	13.	1.2	1.5
%RSD	.3581	.2238	.5322	.3905	.4637	.6452	.2660	.5753	.7234
#1	198.6	213.1	191.6	196.0	180.9	4991.	4924.	216.2	213.0
#2	200.0	212.7	189.6	195.3	182.5	5007.	4917.	214.6	211.2
#3	198.9	212.2	190.8	194.5	181.1	4945.	4899.	213.8	210.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24248.**	**43374.**	**14406.**
Stddev	290.	641.	395.
%RSD	1.1979	1.4787	2.7402
#1	23941.	43186.	14409.
#2	24284.	42849.	14010.
#3	24519.	44089.	14799.

Sample Name: CCB Acquired: 8/18/2011 13:28:15 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.175**	**-5.573**	**23.05**	**.1167**	**1.865**	**.0748**	**-10.24**	**-.0894**	**-.2634**	**-.2612**	**.2352**
Stddev	.292	1.039	23.25	3.142	.249	.1291	.59	.0353	.2036	.2999	.3122
%RSD	24.83	18.65	100.9	2692.	13.37	172.7	5.764	39.44	77.28	114.8	132.7
#1	1.276	-4.914	40.65	-1.102	1.588	.0548	-9.589	-.0497	-.2280	-.0158	-.1154
#2	.8465	-5.034	31.81	3.685	1.937	.2127	-10.39	-.1170	-.4823	-.1724	.3380
#3	1.404	-6.771	-3.306	-2.233	2.071	-.0432	-10.74	-.1016	-.0799	-.5955	.4831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.564**	**-3.589**	**-132.0**	**12.14**	**-.0633**	**F 2962.**	**-.1354**	**.5335**	**3.888**	**4.221**	**1.323**
Stddev	.497	2.068	65.3	19.55	.0394	132.	.5599	1.521	3.405	2.384	.538
%RSD	7.577	57.62	49.48	161.0	62.19	4.446	413.6	285.0	87.58	56.48	40.69
#1	-6.835	-3.904	-157.7	27.86	-.0886	3062.	-.6732	-1.206	.5523	1.931	.7335
#2	-5.990	-1.382	-57.74	-9.748	-.0833	2812.	-.1770	1.194	3.753	4.043	1.788
#3	-6.868	-5.482	-180.5	18.32	-.0179	3011.	.4442	1.613	7.358	6.689	1.448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						1000.					
Low Limit						-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7324**	**-.0645**	**.1475**	**-.4702**	**1.104**	**-10.73**	**-4.787**	**-.2251**	**.6091**
Stddev	.3272	.0409	.3381	.2951	1.247	2.09	8.024	1.023	.7020
%RSD	44.68	63.40	229.2	62.76	112.9	19.49	167.6	454.5	115.3
#1	-.9979	-.0512	.4392	-.4164	.2490	-9.615	-.4791	.7745	-.1922
#2	-.3669	-.1104	-.2231	-.2057	2.535	-9.441	-14.04	-.1799	.9035
#3	-.8324	-.0319	.2264	-.7886	.5287	-13.15	.1635	-1.270	1.116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24671.	44438.	15606.
Stddev	384.	673.	420.
%RSD	1.5563	1.5136	2.6921
#1	24981.	43887.	15627.
#2	24790.	45187.	16016.
#3	24242.	44239.	15176.

Sample Name: AN03621 Acquired: 8/18/2011 13:33:00 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0657	9.268	30.16	2.867	1.325	-.0554	41.63	-.1451	-.1552	.5921	6.315
Stddev	.3749	.488	23.08	2.908	.306	.3464	1.11	.0930	.1842	.2902	.598
%RSD	570.5	5.269	76.51	101.4	23.07	625.1	2.655	64.08	118.7	49.01	9.465
#1	.2702	9.166	42.56	5.471	.9857	-.0574	42.56	-.0423	.0173	.3136	5.855
#2	.2939	8.838	3.537	-.2714	1.579	-.4008	40.41	-.1696	-.1338	.8927	6.101
#3	-.3670	9.799	44.38	3.400	1.410	.2919	41.92	-.2233	-.3492	.5699	6.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.79	12.84	129.6	11.06	.1978	2572.	.9982	.6362	3.700	2.322	-.2872
Stddev	.39	2.93	38.5	18.73	.0168	70.	.2449	.9115	3.164	3.782	1.095
%RSD	3.315	22.79	29.66	169.4	8.494	2.728	24.54	143.3	85.50	162.8	381.2
#1	12.18	9.471	126.5	-10.57	.1874	2653.	1.276	.6593	1.230	-1.839	.9738
#2	11.40	14.26	169.6	21.90	.1887	2539.	.9037	1.536	2.605	5.549	-.8418
#3	11.79	14.78	92.87	21.84	.2172	2524.	.8146	-.2866	7.266	3.257	-.9935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0120	10.72	-.1609	.0493	1.392	9.505	-2.575	-.2715	8.602
Stddev	.5058	.14	.2442	.1592	.918	1.671	24.25	.4588	1.332
%RSD	4205.	1.264	151.7	322.9	65.96	17.58	941.6	169.0	15.49
#1	-.4176	10.84	-.4359	-.0556	1.072	7.617	10.65	-.7484	7.350
#2	.5695	10.57	-.0778	.2326	.6772	10.11	12.19	-.2328	8.455
#3	-.1157	10.75	.0308	-.0290	2.428	10.79	-30.56	.1667	10.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24242.	45425.	17438.
Stddev	159.	383.	176.
%RSD	.65580	.84221	1.0115
#1	24186.	45752.	17249.
#2	24422.	45518.	17598.
#3	24119.	45004.	17466.

Sample Name: AN03622 Acquired: 8/18/2011 13:37:45 Type: Unk
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0825**	**-4.011**	**8.974**	**3.660**	**.5304**	**-.0571**	**-1.174**	**-.0788**	**-.4237**	**-.0809**	**.3476**
Stddev	.3613	1.452	16.25	1.456	.5249	.0947	3.486	.1383	.0971	.2131	.8935
%RSD	438.0	36.19	181.1	39.79	98.96	165.7	296.9	175.5	22.92	263.2	257.1
#1	-.2686	-2.907	27.54	3.813	-.0263	.0220	2.554	.0513	-.5299	-.1326	1.003
#2	-.3128	-5.656	-2.694	2.134	1.016	-.0314	-1.723	-.2241	-.3394	.1532	.7104
#3	.3340	-3.472	2.081	5.035	.6012	-.1620	-4.353	-.0637	-.4018	-.2634	-.6703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.641**	**-2.947**	**131.8**	**18.91**	**-.0597**	**2270.**	**-.3539**	**2.276**	**5.047**	**2.725**	**.1052**
Stddev	.403	4.140	79.3	46.53	.0299	128.	.3214	.852	.895	1.708	.4808
%RSD	6.068	140.5	60.16	246.1	50.09	5.615	90.82	37.42	17.73	62.67	457.0
#1	-6.780	-2.903	61.48	10.34	-.0751	2399.	-.3535	1.368	4.035	.7838	-.0047
#2	-6.956	-7.108	116.2	-22.74	-.0252	2266.	-.6756	2.403	5.734	3.996	.6315
#3	-6.187	1.172	217.8	69.14	-.0788	2145.	-.0327	3.056	5.371	3.395	-.3111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7889**	**.3234**	**.2263**	**-.0834**	**.8721**	**-2.122**	**-8.527**	**.1093**	**.8575**
Stddev	.2243	.1113	.1648	.0612	.1874	1.484	10.91	.2428	1.301
%RSD	28.43	34.43	72.83	73.44	21.49	69.91	128.0	222.0	151.8
#1	-1.024	.3196	.3530	-.1504	1.024	-3.658	-4.420	-.0783	1.305
#2	-.7658	.2140	.0400	-.0303	.6627	-2.012	-20.90	.0228	1.876
#3	-.5770	.4366	.2861	-.0694	.9294	-.6966	-.2648	.3835	-.6084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24558.**	**46072.**	**17244.**
Stddev	516.	882.	334.
%RSD	2.0995	1.9141	1.9390
#1	24131.	45124.	16903.
#2	24411.	46226.	17259.
#3	25131.	46867.	17571.

Sample Name: CCV Acquired: 8/18/2011 13:42:29 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.6**	**5024.**	**4928.**	**193.5**	**197.7**	**187.0**	**5082.**	**205.0**	**190.3**	**215.7**	**198.7**
Stddev	1.2	51.	19.	.6	1.2	1.8	33.	.3	.4	2.4	1.1
%RSD	.5816	1.021	.3780	.3074	.6078	.9475	.6538	.1429	.2298	1.094	.5434
#1	198.2	4964.	4949.	193.7	198.9	189.0	5111.	204.8	190.3	214.0	197.5
#2	200.4	5053.	4914.	192.8	196.5	186.6	5046.	204.9	190.7	214.6	199.2
#3	200.1	5054.	4921.	194.0	197.8	185.5	5090.	205.3	189.8	218.4	199.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5341.**	**5007.**	**5345.**	**5117.**	**215.0**	F **7153.**	**197.7**	**210.2**	**186.0**	**204.5**	**197.1**
Stddev	29.	21.	80.	13.	.8	76.	.7	3.3	1.4	2.8	2.3
%RSD	.5497	.4238	1.491	.2586	.3815	1.066	.3606	1.576	.7385	1.368	1.158
#1	5330.	4998.	5437.	5126.	215.0	7213.	197.7	206.8	186.3	201.4	196.3
#2	5375.	5031.	5306.	5102.	215.8	7067.	198.4	210.5	184.6	205.3	199.7
#3	5319.	4992.	5293.	5124.	214.1	7178.	196.9	213.4	187.3	206.8	195.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						5000.					
Range						20.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**202.0**	**209.0**	**193.2**	**197.4**	**185.9**	**5050.**	**4956.**	**212.9**	**208.4**
Stddev	1.6	.8	1.0	.2	1.2	44.	75.	.7	1.1
%RSD	.7770	.3839	.5036	.1122	.6606	.8669	1.506	.3136	.5286
#1	200.2	208.4	193.4	197.2	187.2	4999.	5008.	212.5	207.3
#2	202.7	208.6	194.1	197.5	185.9	5075.	4870.	213.7	209.5
#3	203.1	209.9	192.2	197.6	184.7	5075.	4989.	212.6	208.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24689.**	**45283.**	**16613.**
Stddev	121.	492.	386.
%RSD	.48921	1.0860	2.3253
#1	24828.	45730.	16653.
#2	24612.	44756.	16978.
#3	24626.	45363.	16209.

Sample Name: CCB Acquired: 8/18/2011 13:47:02 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4732	-4.331	9.918	.5737	1.839	-.0107	-2.490	-.1653	-.3629	-.1486	.2710
Stddev	.4424	.251	25.20	1.879	.170	.1730	5.974	.0809	.3026	.3812	.5527
%RSD	93.49	5.784	254.1	327.6	9.215	1617.	240.0	48.95	83.40	256.5	203.9
#1	.7945	-4.601	-14.28	-1.332	2.032	-.1846	3.451	-.1000	-.2093	.2753	-.0526
#2	-.0314	-4.107	36.01	2.425	1.712	.1615	-8.497	-.1401	-.7115	-.2578	-.0435
#3	.6564	-4.283	8.016	.6278	1.774	-.0090	-2.424	-.2559	-.1678	-.4632	.9092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.468	-6.258	91.77	10.16	-.0438	F 1787.	-.1710	1.990	1.505	1.164	-.2662
Stddev	.708	2.035	84.54	6.77	.0355	50.	.2495	1.253	.497	2.911	.2287
%RSD	10.94	32.52	92.13	66.58	81.04	2.776	145.9	62.95	33.03	250.0	85.94
#1	-6.028	-8.219	21.12	17.53	-.0045	1841.	-.3702	2.012	1.285	-.2367	-.0487
#2	-7.284	-6.398	185.4	4.225	-.0533	1743.	-.2517	.7266	1.156	4.511	-.2450
#3	-6.092	-4.156	68.75	8.731	-.0734	1778.	.1089	3.232	2.074	-.7810	-.5047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						1000.					
Low Limit						-1000.					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4592	.0082	.0629	-.3179	.0010	-10.000	-18.78	-.4300	.9101
Stddev	.3151	.2023	.1806	.1989	.9052	2.637	13.42	1.041	.6799
%RSD	68.62	2480.	286.9	62.58	87270.	26.37	71.45	242.1	74.71
#1	-.7295	-.1876	.2296	-.1044	.6743	-7.081	-3.670	-1.266	.6538
#2	-.5350	-.0044	.0881	-.3511	.3567	-10.71	-23.37	-.7608	1.681
#3	-.1131	.2164	-.1289	-.4981	-1.028	-12.21	-29.30	.7364	.3956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24704.	44701.	15923.
Stddev	215.	174.	377.
%RSD	.86910	.38859	2.3660
#1	24778.	44578.	15604.
#2	24871.	44899.	16339.
#3	24462.	44625.	15828.

Sample Name: RL Acquired: 8/18/2011 13:51:46 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.034**	**108.0**	F **130.0**	**8.243**	**98.03**	**2.913**	**493.9**	**2.777**	**18.98**	**5.913**	**10.81**
Stddev	.219	.9	20.2	.524	.57	.089	4.1	.170	.26	.429	.65
%RSD	4.348	.8517	15.54	6.360	.5790	3.070	.8272	6.112	1.378	7.264	6.020
#1	5.037	108.9	115.9	7.685	97.41	2.827	490.5	2.581	19.15	5.547	10.06
#2	5.251	107.9	153.2	8.318	98.52	2.908	492.9	2.883	18.68	5.806	11.13
#3	4.813	107.1	120.9	8.725	98.18	3.005	498.5	2.867	19.11	6.386	11.23
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			100.0								
Range			30.00%								

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.74**	**44.27**	**586.3**	**488.8**	**5.507**	F **2651.**	**18.87**	**8.893**	**22.63**	**23.86**	**18.12**
Stddev	.68	4.02	64.3	22.8	.047	2.	.23	.764	1.89	2.93	.67
%RSD	1.365	9.088	10.96	4.667	.8553	.0616	1.213	8.595	8.371	12.27	3.717
#1	49.46	44.31	568.0	514.9	5.554	2651.	18.77	8.271	24.81	26.23	18.63
#2	49.25	48.28	533.2	478.4	5.506	2649.	19.13	8.662	21.40	20.58	18.37
#3	50.51	40.23	657.8	473.0	5.460	2652.	18.71	9.746	21.67	24.76	17.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						1000.					
Range						30.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.41**	**22.94**	**9.398**	**9.916**	**8.586**	**496.3**	**484.9**	**9.986**	**10.99**
Stddev	.07	.13	.110	.385	.689	2.7	7.4	.706	.79
%RSD	.3829	.5585	1.170	3.880	8.024	.5537	1.536	7.065	7.174
#1	19.33	23.07	9.515	10.06	8.461	493.5	487.1	9.490	11.61
#2	19.48	22.82	9.382	9.481	7.968	496.5	490.9	9.675	10.10
#3	19.41	22.93	9.296	10.21	9.329	498.9	476.6	10.79	11.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24838.**	**45499.**	**17209.**
Stddev	48.	230.	131.
%RSD	.19432	.50604	.76358
#1	24838.	45764.	17067.
#2	24790.	45379.	17326.
#3	24886.	45353.	17233.

Sample Name: 2RL Acquired: 8/18/2011 13:56:31 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.17**	**213.5**	**222.4**	**16.27**	**202.9**	**6.062**	**1020.**	**6.196**	**39.36**	**11.37**	**21.58**
Stddev	.58	.5	16.4	2.17	.7	.314	4.	.276	.29	.48	.51
%RSD	5.151	.2126	7.355	13.33	.3510	5.187	.4205	4.460	.7425	4.216	2.364
#1	10.78	214.0	208.3	15.09	203.2	5.952	1024.	6.115	39.60	11.65	21.70
#2	10.90	213.1	240.4	18.77	203.5	6.416	1020.	6.504	39.46	11.64	22.01
#3	11.83	213.4	218.7	14.94	202.1	5.817	1016.	5.970	39.04	10.81	21.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**108.6**	**100.1**	**1111.**	**1057.**	**11.24**	**F 3611.**	**39.07**	**19.47**	**41.21**	**43.95**	**40.62**
Stddev	1.3	3.7	50.	39.	.08	9.	.11	.60	3.44	2.19	.44
%RSD	1.186	3.692	4.479	3.706	.6771	.2488	.2817	3.083	8.357	4.994	1.077
#1	109.9	101.5	1073.	1100.	11.31	3617.	39.03	20.07	37.29	41.44	40.50
#2	108.6	103.0	1094.	1023.	11.23	3616.	38.99	19.47	43.77	44.93	40.26
#3	107.3	95.94	1167.	1048.	11.16	3601.	39.20	18.87	42.57	45.49	41.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						2000.					
Range						30.00%					

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.88**	**47.08**	**20.54**	**20.42**	**18.92**	**1035.**	**990.4**	**21.07**	**23.31**
Stddev	.28	.28	.29	.29	1.41	2.	13.5	.58	.98
%RSD	.6894	.5964	1.415	1.403	7.472	.1840	1.364	2.771	4.185
#1	40.62	47.34	20.25	20.44	20.15	1033.	1002.	20.57	24.22
#2	40.85	47.12	20.83	20.12	19.23	1035.	975.4	20.94	23.43
#3	41.18	46.78	20.53	20.69	17.38	1037.	993.9	21.71	22.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24703.**	**44928.**	**16400.**
Stddev	212.	761.	243.
%RSD	.85855	1.6948	1.4818
#1	24749.	44053.	16202.
#2	24472.	45286.	16327.
#3	24889.	45444.	16672.

Sample Name: IOS Acquired: 8/18/2011 14:01:14 Type: QC
Method: PT_MET(v102) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0031**	^F *****	**306200.**	**3.954**	**1.267**	**.4055**	**293000.**	**.1173**	**-1.218**	**.7537**	**4.539**
Stddev	.5577	-----	1553.	2.344	.082	.0750	7326.	.5007	.254	.8832	.299
%RSD	18130.	-----	.5071	59.29	6.483	18.50	2.501	426.9	20.88	117.2	6.581
#1	-.2162	^ -----	306600.	1.680	1.342	.3216	284600.	.6197	-1.394	1.076	4.852
#2	-.4117	^ -----	307600.	6.363	1.179	.4288	298500.	.1137	-.9264	-.2453	4.257
#3	.6371	^ -----	304500.	3.820	1.281	.4660	295800.	-.3816	-1.334	1.430	4.508
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**295400.**	**170.5**	**297200.**	**-.0546**	**299800.**	**-1.106**	**4.135**	**-1.435**	**.1921**	**.0526**
Stddev	-----	3345.	20.9	890.	.0392	9691.	.397	2.856	4.409	2.070	1.525
%RSD	-----	1.132	12.24	.2993	71.86	3.232	35.89	69.06	307.2	1078.	2901.
#1	^ -----	291500.	191.3	297700.	-.0689	300700.	-1.363	7.300	1.421	.6991	-1.562
#2	^ -----	297300.	170.7	297800.	-.0102	309000.	-.6490	1.749	-6.513	-2.085	1.470
#3	^ -----	297400.	149.5	296200.	-.0846	289700.	-1.307	3.357	.7860	1.962	.2495
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.419**	**2.701**	**-2.007**	**1.561**	**-2.109**	**-11.05**	**-1.926**	**1.739**	**2.088**
Stddev	.239	.329	1.137	.217	1.092	1.79	17.15	1.387	1.337
%RSD	16.88	12.18	56.66	13.89	51.78	16.21	890.5	79.72	64.01
#1	-1.189	3.054	-1.831	1.600	-3.340	-9.473	-1.188	3.252	1.381
#2	-1.667	2.646	-.9680	1.328	-1.729	-13.00	14.85	1.439	3.630
#3	-1.399	2.403	-3.222	1.756	-1.257	-10.68	-19.44	.5275	1.254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23195.**	**42454.**	**17195.**
Stddev	305.	137.	230.
%RSD	1.3136	.32175	1.3358
#1	22867.	42434.	17448.
#2	23470.	42328.	17000.
#3	23249.	42599.	17138.

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Project No.: 11070033

Date(s) of Sample Analysis: 8/2/11 Date(s) of Sample Prep.: 7/28/11

Preparer(s): R. Recto Analyst(s): R. Recto

(Circle) Matrix: (Aqueous) Solid Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: TAL Metals)	YES	NO	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?	✓		
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		
II. DIGESTION BATCH QC: (for the elements of interest stated above)			
A. Prep Blank < Reporting Limit for all elements of interest?	✓		
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)	✓		
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?	✓		
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?	✓		
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?		✓	
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project	✓		
G. For samples with results > Reporting Limit, was the % RSD < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)	✓		
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: R. Recto Date: 10/10/11

Peer Review: [illegible] Date: 10/10/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: Jewett White Lead

Project # 11070033

One (1) aqueous sample (AN03435) was analyzed for **TAL Metals** by ICP-AES on 08/02/11.

The % Difference for **antimony** (%D = 11.25) between the Matrix Spike (MS) and the Serial Dilution (SDL) was outside the acceptance range of -10% to +10%. Since the original (un-spike) sample was non-detected for antimony, its result was considered estimated and qualified with a **"UJ"**.
"UJ" -- > Sb -- > AN03435

ICAP 6300 QC

ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	02 Aug 2011			ug/L	02 Aug 2011	
		12:33:39				12:37:58	
Ag3280	200	196.1	98.1	PASS	5	-0.3983	PASS
Al3082A	5000	4848	97.0	PASS	100	-1.416	PASS
Al3082R	5000	4882	97.6	PASS	100	-5.092	PASS
As1890	200	199.9	100.0	PASS	8	0.269	PASS
Ba4554R	200	196.8	98.4	PASS	100	0.41	PASS
Be3131R	200	194.7	97.4	PASS	3	0.1104	PASS
Ca3179R	5000	5107	102.1	PASS	500	0.8322	PASS
Cd2265	200	198.2	99.1	PASS	3	0.3489	PASS
Co2286	200	193.5	96.8	PASS	20	0.3521	PASS
Cr2677	200	207.4	103.7	PASS	5	0.3187	PASS
Cu3247	200	205	102.5	PASS	10	0.0842	PASS
Fe2599A	5000	5185	103.7	PASS	50	-1.748	PASS
Fe2599R	5000	5153	103.1	PASS	50	0.1502	PASS
K_7664R	5000	5072	101.4	PASS	500	-12.81	PASS
Mg2790R	5000	5114	102.3	PASS	500	-15.27	PASS
Mn2576	200	209.4	104.7	PASS	5	0.1118	PASS
Na5895R	5000	5044	100.9	PASS	1000	-18.56	PASS
Ni2316	200	196.7	98.4	PASS	20	-0.1573	PASS
Pb2203	200	197.2	98.6	PASS	8	0.8842	PASS
Sb2068	200	191.8	95.9	PASS	20	-2.587	PASS
Se1960	200	195.4	97.7	PASS	20	0.1425	PASS
Tl1908	200	199.3	99.7	PASS	20	1.461	PASS
V_2924	200	197.8	98.9	PASS	20	0.1733	PASS
Zn2062	200	202.1	101.1	PASS	20	0.2789	PASS
Mo2020	200	197	98.5	PASS	10	0.5096	PASS
Ti3372	200	200.4	100.2	PASS	10	-0.0284	PASS
B_2089	200	206.4	103.2	PASS	10	4.408	PASS
Si2881A	5000	4998	100.0	PASS	500	-0.6856	PASS
Si2881R	5000	4988	99.8	PASS	500	16.35	PASS
Sr3464	200	205.7	102.9	PASS	10	0.9335	PASS
Sn1899	200	199.1	99.6	PASS	10	-0.4869	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG
	ug/L	ug/L	ug/L	02 Aug 2011			02 Aug 2011		
				12:42:25			16:48:15		
Ag3280	5	3.5	6.5	4.827	96.5	PASS	5.37	107.4	PASS
Al3082A	100	70.0	130	108.6	108.6	PASS	108.8	108.8	PASS
Al3082R	100	70.0	130	107.1	107.1	PASS	118	118.0	PASS
As1890	8	5.6	10.4	5.696	71.2	PASS	8.751	109.4	PASS
Ba4554R	100	70.0	130	102.2	102.2	PASS	102	102.0	PASS
Be3131R	3	2.1	3.9	3.132	104.4	PASS	3.026	100.9	PASS
Ca3179R	500	350	650	506.4	101.3	PASS	508.1	101.6	PASS
Cd2265	3	2.1	3.9	3.019	100.6	PASS	3.026	100.9	PASS
Co2286	20	14.0	26.0	20.13	100.7	PASS	20.21	101.1	PASS
Cr2677	5	3.5	6.5	5.158	103.2	PASS	5.352	107.0	PASS
Cu3247	10	7.0	13.0	11.19	111.9	PASS	11.04	110.4	PASS
Fe2599A	50	35.0	65.0	47.95	95.9	PASS	48.87	97.7	PASS
Fe2599R	50	35.0	65.0	47.46	94.9	PASS	48.9	97.8	PASS
K_7664R	500	350	650	502.7	100.5	PASS	489.5	97.9	PASS
Mg2790R	500	350	650	499.4	99.9	PASS	494.1	98.8	PASS
Mn2576	5	3.5	6.5	5.467	109.3	PASS	5.543	110.9	PASS
Na5895R	1000	700	1300	1007	100.7	PASS	1011	101.1	PASS
Ni2316	20	14.0	26.0	19.48	97.4	PASS	19.63	98.2	PASS
Pb2203	8	5.6	10.4	6.563	82.0	PASS	7.665	95.8	PASS
Sb2068	20	14.0	26.0	17.7	88.5	PASS	16.71	83.6	PASS
Se1960	20	14.0	26.0	20.04	100.2	PASS	17.87	89.4	PASS
Tl1908	20	14.0	26.0	21.17	105.9	PASS	20.99	105.0	PASS
V_2924	20	14.0	26.0	19.89	99.5	PASS	20.71	103.6	PASS
Zn2062	20	14.0	26.0	21.97	109.9	PASS	22.6	113.0	PASS
Mo2020	10	7.0	13.0	10.32	103.2	PASS	10.11	101.1	PASS
Ti3372	10	7.0	13.0	10.4	104.0	PASS	10.48	104.8	PASS
B_2089	10	7.0	13.0	12.29	122.9	PASS	8.076	80.8	PASS
Si2881A	500	350	650	517.8	103.6	PASS	526.8	105.4	PASS
Si2881R	500	350	650	520	104.0	PASS	515.6	103.1	PASS
Sr3464	10	7.0	13.0	10.92	109.2	PASS	11.22	112.2	PASS
Sn1899	10	7.0	13.0	9.363	93.6	PASS	9.355	93.6	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	02 Aug 2011			02 Aug 2011		
				12:46:51			16:52:40		
Ag3280	10	7.0	13.0	10.06	100.6	PASS	10.54	105.4	PASS
Al3082A	200	140	260	201.7	100.9	PASS	214.9	107.5	PASS
Al3082R	200	140	260	196.5	98.3	PASS	210.4	105.2	PASS
As1890	16	11.2	20.8	17.22	107.6	PASS	15.48	96.8	PASS
Ba4554R	200	140	260	201.1	100.6	PASS	207	103.5	PASS
Be3131R	6	4.2	7.8	6.045	100.8	PASS	6.182	103.0	PASS
Ca3179R	1000	700	1300	1011	101.1	PASS	1028	102.8	PASS
Cd2265	6	4.2	7.8	6.165	102.8	PASS	5.83	97.2	PASS
Co2286	40	28.0	52.0	40.31	100.8	PASS	39.94	99.9	PASS
Cr2677	10	7.0	13.0	10.44	104.4	PASS	11.44	114.4	PASS
Cu3247	20	16.0	24	21.68	108.4	PASS	21.53	107.7	PASS
Fe2599A	100	70.0	130	98.25	98.3	PASS	101.2	101.2	PASS
Fe2599R	100	70.0	130	96.56	96.6	PASS	94.46	94.5	PASS
K_7664R	1000	700	1300	986.6	98.7	PASS	997	99.7	PASS
Mg2790R	1000	700	1300	1002	100.2	PASS	1026	102.6	PASS
Mn2576	10	7.0	13.0	10.73	107.3	PASS	11.41	114.1	PASS
Na5895R	2000	1400	2600	1994	99.7	PASS	2052	102.6	PASS
Ni2316	40	28.0	52.0	39.33	98.3	PASS	40.12	100.3	PASS
Pb2203	16	11.2	20.8	16.45	102.8	PASS	15.33	95.8	PASS
Sb2068	40	28.0	52.0	37.81	94.5	PASS	34.63	86.6	PASS
Se1960	40	28.0	52.0	36.72	91.8	PASS	38.51	96.3	PASS
Tl1908	40	28.0	52.0	41.18	103.0	PASS	40.45	101.1	PASS
V_2924	40	28.0	52.0	39.69	99.2	PASS	42.72	106.8	PASS
Zn2062	40	28.0	52.0	43.95	109.9	PASS	44.8	112.0	PASS
Mo2020	20	14.0	26.0	20.42	102.1	PASS	20.93	104.7	PASS
Ti3372	20	14.0	26.0	20.54	102.7	PASS	21.35	106.8	PASS
B_2089	20	14.0	26.0	21.34	106.7	PASS	17.15	85.8	PASS
Si2881A	1000	700	1300	1010	101.0	PASS	1068	106.8	PASS
Si2881R	1000	700	1300	1014	101.4	PASS	1019	101.9	PASS
Sr3464	20	14.0	26.0	20.61	103.1	PASS	22.95	114.8	PASS
Sn1899	20	14.0	26.0	20.41	102.1	PASS	19.96	99.8	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	02 Aug 2011			02 Aug 2011			
				12:51:15			16:57:04			
Ag3280	0	-5.0	5.0	-0.9682		PASS	-0.6057		PASS	
Al3082A	300000	200000	300000	255600	*N/A	*N/A	259000	*N/A	*N/A	switch to radial
Al3082R	300000	200000	300000	297100	99.0	PASS	299200	99.7	PASS	
As1890	0	-8.0	8.0	-5.223		PASS	-1.257		PASS	
Ba4554R	0	-100	100	0.1299		PASS	0.2217		PASS	
Be3131R	0	-3.0	3.0	0.396		PASS	0.4672		PASS	
Ca3179R	300000	200000	300000	297200	99.1	PASS	294200	98.1	PASS	
Cd2265	0	-3.0	3.0	0.5424		PASS	-0.5959		PASS	
Co2286	0	-20.0	20.0	-0.8097		PASS	-0.3759		PASS	
Cr2677	0	-5.0	5.0	-0.8016		PASS	-0.9095		PASS	
Cu3247	0	-10.0	10.0	4.109		PASS	4.553		PASS	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	*N/A	*N/A	switch to radial
Fe2599R	300000	200000	300000	295600	98.5	PASS	294300	98.1	PASS	
K_7664R	0	-500	500	-20.77		PASS	-18.95		PASS	
Mg2790R	300000	200000	300000	297200	99.1	PASS	301000	100.3	PASS	
Mn2576	0	-5.0	5.0	0.3004		PASS	0.3083		PASS	
Na5895R	300000	200000	300000	302200	100.7	PASS	297000	99.0	PASS	
Ni2316	0	-20.0	20.0	0.4737		PASS	0.8477		PASS	
Pb2203	0	-8.0	8.0	-1.43		PASS	0.4771		PASS	
Sb2068	0	-20.0	20.0	0.8144		PASS	0.2135		PASS	
Se1960	0	-20.0	20.0	-1.12		PASS	-5.137		PASS	
Tl1908	0	-20.0	20.0	1.044		PASS	0.6956		PASS	
V_2924	0	-20.0	20.0	-0.3983		PASS	-0.4039		PASS	
Zn2062	0	-20.0	20.0	3.617		PASS	3.455		PASS	
Mo2020	0	-10.0	10.0	-2.154		PASS	-1.903		PASS	
Ti3372	0	-10.0	10.0	2.009		PASS	2.021		PASS	
B_2089	0	-10.0	10.0	0.8786		PASS	-2.332		PASS	
Si2881A	0	-500	500	9.818		PASS	5.772		PASS	
Si2881R	0	-500	500	28.32		PASS	28.9		PASS	
Sr3464	0	-10.0	10.0	1.605		PASS	1.456		PASS	
Sn1899	0	-10.0	10.0	1.247		PASS	1.225		PASS	

*N/A = Not Applicable since the axial mode is above the LDR and/or saturated detector

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	02 Aug 2011			ug/L	02 Aug 2011	
		13:43:38				13:47:52	
Ag3280	200	198.7	99.4	PASS	5	-0.0398	PASS
Al3082A	5000	4891	97.8	PASS	100	-0.797	PASS
Al3082R	5000	4938	98.8	PASS	100	3.776	PASS
As1890	200	188.6	94.3	PASS	8	-0.8717	PASS
Ba4554R	200	197.5	98.8	PASS	100	0.2656	PASS
Be3131R	200	193.3	96.7	PASS	3	-0.023	PASS
Ca3179R	5000	5170	103.4	PASS	500	-2.578	PASS
Cd2265	200	197.5	98.8	PASS	3	0.1613	PASS
Co2286	200	192.3	96.2	PASS	20	-0.1568	PASS
Cr2677	200	212.2	106.1	PASS	5	-0.4083	PASS
Cu3247	200	204.3	102.2	PASS	10	0.4924	PASS
Fe2599A	5000	5274	105.5	PASS	50	3.541	PASS
Fe2599R	5000	5160	103.2	PASS	50	4.369	PASS
K_7664R	5000	5074	101.5	PASS	500	-35.91	PASS
Mg2790R	5000	5217	104.3	PASS	500	-1.495	PASS
Mn2576	200	214	107.0	PASS	5	0.0059	PASS
Na5895R	5000	5088	101.8	PASS	1000	-13.57	PASS
Ni2316	200	197.2	98.6	PASS	20	-0.2467	PASS
Pb2203	200	199.1	99.6	PASS	8	0.8861	PASS
Sb2068	200	189.2	94.6	PASS	20	-1.768	PASS
Se1960	200	193.2	96.6	PASS	20	-1.391	PASS
Tl1908	200	197.8	98.9	PASS	20	0.6458	PASS
V_2924	200	200	100.0	PASS	20	-0.4298	PASS
Zn2062	200	205.6	102.8	PASS	20	0.117	PASS
Mo2020	200	195.2	97.6	PASS	10	-0.0974	PASS
Ti3372	200	200.3	100.2	PASS	10	-0.0846	PASS
B_2089	200	194.4	97.2	PASS	10	-2.083	PASS
Si2881A	5000	5073	101.5	PASS	500	0.62	PASS
Si2881R	5000	5062	101.2	PASS	500	9.144	PASS
Sr3464	200	210.6	105.3	PASS	10	0.1411	PASS
Sn1899	200	201.4	100.7	PASS	10	-0.659	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	02 Aug 2011			ug/L	02 Aug 2011	
		14:37:22				14:41:35	
Ag3280	200	201.4	100.7	PASS	5	-0.1727	PASS
Al3082A	5000	4911	98.2	PASS	100	-2.367	PASS
Al3082R	5000	4962	99.2	PASS	100	-11.31	PASS
As1890	200	192.7	96.4	PASS	8	-1.713	PASS
Ba4554R	200	198.8	99.4	PASS	100	0.4054	PASS
Be3131R	200	193.1	96.6	PASS	3	0.0258	PASS
Ca3179R	5000	5183	103.7	PASS	500	-5.151	PASS
Cd2265	200	197.3	98.7	PASS	3	-0.107	PASS
Co2286	200	191.8	95.9	PASS	20	-0.0159	PASS
Cr2677	200	216.2	108.1	PASS	5	-0.0594	PASS
Cu3247	200	203.8	101.9	PASS	10	0.2527	PASS
Fe2599A	5000	5317	106.3	PASS	50	-1.997	PASS
Fe2599R	5000	5158	103.2	PASS	50	-2.531	PASS
K_7664R	5000	5118	102.4	PASS	500	-50.99	PASS
Mg2790R	5000	5235	104.7	PASS	500	-9.602	PASS
Mn2576	200	217.8	108.9	PASS	5	-0.0765	PASS
Na5895R	5000	5102	102.0	PASS	1000	-31.37	PASS
Ni2316	200	197.9	99.0	PASS	20	-0.156	PASS
Pb2203	200	198	99.0	PASS	8	0.9768	PASS
Sb2068	200	189	94.5	PASS	20	-3.329	PASS
Se1960	200	189.7	94.9	PASS	20	-4.784	PASS
Tl1908	200	198.7	99.4	PASS	20	0.5694	PASS
V_2924	200	203.6	101.8	PASS	20	-0.497	PASS
Zn2062	200	206.1	103.1	PASS	20	0.196	PASS
Mo2020	200	196.3	98.2	PASS	10	-0.0695	PASS
Ti3372	200	202.4	101.2	PASS	10	-0.0912	PASS
B_2089	200	193.1	96.6	PASS	10	-2.287	PASS
Si2881A	5000	5105	102.1	PASS	500	-3.455	PASS
Si2881R	5000	5050	101.0	PASS	500	1.922	PASS
Sr3464	200	213.4	106.7	PASS	10	-0.6342	PASS
Sn1899	200	203	101.5	PASS	10	-0.3904	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

CCV-3 / CCB-3 (ug/L)

ELEMENT	TRUE VALUE	CCV-3	%REC	FLAG	REP. LIMIT	CCB-3	FLAG
	ug/L	02 Aug 2011			ug/L	02 Aug 2011	
		15:29:39				15:33:53	
Ag3280	200	201.3	100.7	PASS	5	-0.2276	PASS
Al3082A	5000	4954	99.1	PASS	100	-1.047	PASS
Al3082R	5000	4935	98.7	PASS	100	4.047	PASS
As1890	200	188.3	94.2	PASS	8	-1.701	PASS
Ba4554R	200	196.7	98.4	PASS	100	0.592	PASS
Be3131R	200	193.1	96.6	PASS	3	-0.0038	PASS
Ca3179R	5000	5169	103.4	PASS	500	-1.479	PASS
Cd2265	200	196.2	98.1	PASS	3	0.1179	PASS
Co2286	200	191.9	96.0	PASS	20	-0.0853	PASS
Cr2677	200	215.8	107.9	PASS	5	0.3567	PASS
Cu3247	200	203.7	101.9	PASS	10	0.0217	PASS
Fe2599A	5000	5315	106.3	PASS	50	-2.014	PASS
Fe2599R	5000	5121	102.4	PASS	50	2.282	PASS
K_7664R	5000	5069	101.4	PASS	500	-32.06	PASS
Mg2790R	5000	5256	105.1	PASS	500	-5.217	PASS
Mn2576	200	217.2	108.6	PASS	5	-0.0208	PASS
Na5895R	5000	5155	103.1	PASS	1000	11.78	PASS
Ni2316	200	198	99.0	PASS	20	-0.6943	PASS
Pb2203	200	196	98.0	PASS	8	-0.0574	PASS
Sb2068	200	191.7	95.9	PASS	20	-2.916	PASS
Se1960	200	190.6	95.3	PASS	20	-2.601	PASS
Tl1908	200	198.4	99.2	PASS	20	0.8402	PASS
V_2924	200	203.7	101.9	PASS	20	-0.2946	PASS
Zn2062	200	206.6	103.3	PASS	20	0.0371	PASS
Mo2020	200	195.9	98.0	PASS	10	-0.2731	PASS
Ti3372	200	201.9	101.0	PASS	10	-0.2517	PASS
B_2089	200	190.8	95.4	PASS	10	-2.431	PASS
Si2881A	5000	5110	102.2	PASS	500	-3.124	PASS
Si2881R	5000	5048	101.0	PASS	500	1.6	PASS
Sr3464	200	212.3	106.2	PASS	10	0.1872	PASS
Sn1899	200	203	101.5	PASS	10	-1.081	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

CCV-4 / CCB-4 (ug/L)

ELEMENT	TRUE VALUE	CCV-4	%REC	FLAG	REP. LIMIT	CCB-4	FLAG
	ug/L	02 Aug 2011			ug/L	02 Aug 2011	
		16:22:16				16:26:30	
Ag3280	200	202.6	101.3	PASS	5	-0.2441	PASS
Al3082A	5000	4982	99.6	PASS	100	-1.478	PASS
Al3082R	5000	5012	100.2	PASS	100	-2.776	PASS
As1890	200	189.7	94.9	PASS	8	-1.351	PASS
Ba4554R	200	200.1	100.1	PASS	100	0.5874	PASS
Be3131R	200	194.4	97.2	PASS	3	0.0868	PASS
Ca3179R	5000	5208	104.2	PASS	500	-2.769	PASS
Cd2265	200	195.4	97.7	PASS	3	0.0476	PASS
Co2286	200	191.1	95.6	PASS	20	0.0695	PASS
Cr2677	200	216.9	108.5	PASS	5	-0.4415	PASS
Cu3247	200	204.2	102.1	PASS	10	-0.0512	PASS
Fe2599A	5000	5300	106.0	PASS	50	-1.582	PASS
Fe2599R	5000	5138	102.8	PASS	50	-1.477	PASS
K_7664R	5000	5121	102.4	PASS	500	-83.87	PASS
Mg2790R	5000	5256	105.1	PASS	500	5.115	PASS
Mn2576	200	218.4	109.2	PASS	5	-0.0607	PASS
Na5895R	5000	5181	103.6	PASS	1000	-5.076	PASS
Ni2316	200	198.5	99.3	PASS	20	-0.5762	PASS
Pb2203	200	198.2	99.1	PASS	8	-1.554	PASS
Sb2068	200	192.7	96.4	PASS	20	-4.532	PASS
Se1960	200	189.6	94.8	PASS	20	-4.103	PASS
Tl1908	200	201.5	100.8	PASS	20	-0.6343	PASS
V_2924	200	204.1	102.1	PASS	20	-0.1855	PASS
Zn2062	200	205.3	102.7	PASS	20	0.1363	PASS
Mo2020	200	196.7	98.4	PASS	10	-0.1991	PASS
Ti3372	200	202.6	101.3	PASS	10	-0.6082	PASS
B_2089	200	190.9	95.5	PASS	10	-2.431	PASS
Si2881A	5000	5112	102.2	PASS	500	-2.757	PASS
Si2881R	5000	5079	101.6	PASS	500	-5.433	PASS
Sr3464	200	213.8	106.9	PASS	10	-0.346	PASS
Sn1899	200	203.3	101.7	PASS	10	-1.083	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

CCV-5 / CCB-5 (ug/L)

ELEMENT	TRUE VALUE	CCV-5	%REC	FLAG	REP. LIMIT	CCB-5	FLAG
	ug/L	02 Aug 2011			ug/L	02 Aug 2011	
		16:39:35				16:43:49	
Ag3280	200	201.6	100.8	PASS	5	-0.2866	PASS
Al3082A	5000	4949	99.0	PASS	100	-0.1389	PASS
Al3082R	5000	5030	100.6	PASS	100	-7.879	PASS
As1890	200	191.2	95.6	PASS	8	-3.184	PASS
Ba4554R	200	199.7	99.9	PASS	100	0.2571	PASS
Be3131R	200	193.6	96.8	PASS	3	-0.1267	PASS
Ca3179R	5000	5228	104.6	PASS	500	-2.61	PASS
Cd2265	200	196.9	98.5	PASS	3	0.0054	PASS
Co2286	200	192.1	96.1	PASS	20	-0.0014	PASS
Cr2677	200	217.9	109.0	PASS	5	0.2219	PASS
Cu3247	200	203.7	101.9	PASS	10	-0.302	PASS
Fe2599A	5000	5334	106.7	PASS	50	-1.275	PASS
Fe2599R	5000	5140	102.8	PASS	50	1.643	PASS
K_7664R	5000	5132	102.6	PASS	500	-60.33	PASS
Mg2790R	5000	5315	106.3	PASS	500	-13.77	PASS
Mn2576	200	218.7	109.4	PASS	5	-0.0254	PASS
Na5895R	5000	5164	103.3	PASS	1000	-18.21	PASS
Ni2316	200	198.6	99.3	PASS	20	-0.6841	PASS
Pb2203	200	197.6	98.8	PASS	8	-0.0399	PASS
Sb2068	200	190.3	95.2	PASS	20	-2.597	PASS
Se1960	200	184	92.0	PASS	20	-4.5	PASS
Tl1908	200	200.1	100.1	PASS	20	1.02	PASS
V_2924	200	204.2	102.1	PASS	20	-0.2319	PASS
Zn2062	200	208.5	104.3	PASS	20	-0.003	PASS
Mo2020	200	196.2	98.1	PASS	10	-0.2568	PASS
Ti3372	200	202.4	101.2	PASS	10	-0.2133	PASS
B_2089	200	190	95.0	PASS	10	-2.268	PASS
Si2881A	5000	5093	101.9	PASS	500	-1.17	PASS
Si2881R	5000	5113	102.3	PASS	500	12.7	PASS
Sr3464	200	214.6	107.3	PASS	10	0.3696	PASS
Sn1899	200	204	102.0	PASS	10	-1.046	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

Aqueous Prep. Blank (PBW) - ug/L

ELEMENT	PBW-2 B19P02A	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	02 Aug 2011	ug/L	ug/L	ug/L	
	14:28:41				
Ag3280	-0.4828	5	5	-5	PASS
Al3082A	2.066	100	100	-100	PASS
Al3082R	-0.6857	100	100	-100	PASS
As1890	0.1215	8	8	-8	PASS
Ba4554R	0.2677	100	100	-100	PASS
Be3131R	0.0288	3	3	-3	PASS
Ca3179R	-4.826	500	500	-500	PASS
Cd2265	0.0162	3	3	-3	PASS
Co2286	0.0332	20	20	-20	PASS
Cr2677	-0.1047	5	5	-5	PASS
Cu3247	0.1507	10	10	-10	PASS
Fe2599A	1.699	50	50	-50	PASS
Fe2599R	2.098	50	50	-50	PASS
K_7664R	-47.07	500	500	-500	PASS
Mg2790R	-9.734	500	500	-500	PASS
Mn2576	-0.1017	5	5	-5	PASS
Na5895R	-39.23	1000	1000	-1000	PASS
Ni2316	-0.3603	20	20	-20	PASS
Pb2203	-0.8981	8	8	-8	PASS
Sb2068	-1.732	20	20	-20	PASS
Se1960	-3.47	20	20	-20	PASS
Tl1908	-1.001	20	20	-20	PASS
V_2924	-0.2113	20	20	-20	PASS
Zn2062	-0.4338	20	20	-20	PASS
Mo2020	-0.3859	10	10	-10	PASS
Ti3372	-0.2729	10	10	-10	PASS
B_2089	-2.443	10	10	-10	PASS
Si2881A	-3.545	500	500	-500	PASS
Si2881R	7.373	500	500	-500	PASS
Sr3464	-0.0384	10	10	-10	PASS
Sn1899	-0.1107	10	10	-10	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

Aqueous LCS (LCSW) - ug/L

ELEMENT	LCSW-3 B19P02A	LCSW-4 B19P02A	MEAN	SPIKE LEVEL	RPD	% REC	FLAG
	02 Aug 2011	02 Aug 2011	ug/L	ug/L			
	14:33:07	14:46:00					
Ag3280	215.6	212.1	213.9	200	1.00	94	PASS
Al3082A	4983	4867	4925	5000	2.36	99	PASS
Al3082R	4977	4953	4965.0	5000	0.48	99	PASS
As1890	202.1	204.8	203.5	200	1.33	102	PASS
Ba4554R	210.1	210.9	210.5	200	0.38	105	PASS
Be3131R	206.5	208	207	200	0.72	104	PASS
Ca3179R	5259	5247	5253.0	5000	0.23	105	PASS
Cd2265	204.9	205.6	205.3	200	0.34	103	PASS
Co2286	205.6	205.5	205.6	200	0.05	103	PASS
Cr2677	224.1	222.1	223.1	200	0.90	112	PASS
Cu3247	205.6	203.6	205	200	0.98	102	PASS
Fe2599A	5375	5293	5334	5000	1.54	107	PASS
Fe2599R	5154	5171	5163	5000	0.33	103	PASS
K_7664R	5129	5111	5120.0	5000	0.35	102	PASS
Mg2790R	5347	5297	5322	5000	0.94	106	PASS
Mn2576	227.4	224.8	226.1	200	1.15	113	PASS
Na5895R	5197	5153	5175.0	5000	0.85	104	PASS
Ni2316	210.5	208.6	209.6	200	0.91	105	PASS
Pb2203	205.4	209.3	207.4	200	1.88	104	PASS
Sb2068	203.1	199.7	201.4	200	1.69	101	PASS
Se1960	197.7	199.8	198.8	200	1.06	99	PASS
Tl1908	209.3	207.9	208.6	200	0.67	104	PASS
V_2924	216.4	214.1	215.3	200	1.07	108	PASS
Zn2062	219.2	218.5	218.9	200	0.32	109	PASS
Mo2020	204.9	202.9	203.9	200	0.98	102	PASS
Ti3372	214.3	212.7	213.5	200	0.75	107	PASS
B_2089	195.8	196.7	196.3	200	0.46	98	PASS
Si2881A	5415	5284	5349.5	5000	2.45	107	PASS
Si2881R	5312	5280	5296.0	5000	0.60	106	PASS
Sr3464	220.8	218.9	219.9	200	0.86	110	PASS
Sn1899	209.4	207.9	208.7	200	0.72	104	PASS

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03435	AN03435 MS	SPIKE LEVEL	% REC	FLAG	COMMENTS	QUALIFIER
		02 Aug 2011	02 Aug 2011	ug/L				
		16:17:50	16:30:56					
Ag3280	1.33	-0.2512	184.5	200	92.3	PASS		
Al3082A	25.2	3.337	4933	5000	98.7	PASS		
Al3082R	28.2	8.891	4892	5000	97.8	PASS		
As1890	4.8	-5.036	173.1	200	86.6	PASS		
Ba4554R	27.6	0.3857	180.8	200	90.4	PASS		
Be3131R	1.44	0.1302	178.1	200	89.1	PASS		
Ca3179R	133	56.27	5009	5000	100.2	PASS		
Cd2265	1.46	0.0257	175.7	200	87.9	PASS		
Co2286	5.44	-0.3477	176.2	200	88.1	PASS		
Cr2677	2.9	-0.208	191.3	200	95.7	PASS		
Cu3247	5.03	0.388	178.1	200	89.1	PASS		
Fe2599A	14.2	0.6735	5025	5000	100.5	PASS		
Fe2599R	13.7	1.878	4852	5000	97.0	PASS		
K_7664R	154	-19.98	4843	5000	96.9	PASS		
Mg2790R	139	-4.761	5015	5000	100.3	PASS		
Mn2576	3.04	0.0348	193.3	200	96.7	PASS		
Na5895R	274	170.2	5077	5000	101.5	PASS		
Ni2316	5.43	-0.2505	179.1	200	89.6	PASS		
Pb2203	2.39	-0.1052	177.7	200	88.9	PASS		
Sb2068	11.2	-3.585	171.5	200	85.8	PASS		
Se1960	11.2	-1.234	170.7	200	85.4	PASS		
Tl1908	7.58	-0.1114	179.6	200	89.8	PASS		
V_2924	5.62	-0.1899	185.1	200	92.6	PASS		
Zn2062	5.71	1.653	188.3	200	94.2	PASS		
Mo2020	2.7	-0.2107	175.8	200	87.9	PASS		
Ti3372	2.91	-0.0768	183.8	200	91.9	PASS		
B_2089	1.2	-2.402	167.7	200	83.9	PASS		
Si2881A	50.5	115.4	5602	5000	109.7	PASS		
Si2881R	50.5	118.9	5529	5001	108.2	PASS		
Sr3464	2.5	0.801	187.6	200	93.8	PASS		
Sn1899	2.4	-0.4851	180.2	200	90.1	PASS		

Darkened Areas = Not Elements of Interest

ICAP 6300 QC

MS and SDL - % Difference

ELEMENT	MS Value (ug/L) AN03435 MS	SDL Value (ug/L) AN03435 SDL	% Difference	FLAG	COMMENTS	QUALIFIER
	02 Aug 2011	02 Aug 2011				
	16:30:56	16:35:13				
Ag3280	184.5	176.6	4.28	PASS		
Al3082A	4933	4847	1.74	PASS		
Al3082R	4892	4836	1.14	PASS		
As1890	173.1	175.1	-1.16	PASS		
Ba4554R	180.8	182.5	-0.94	PASS		
Be3131R	178.1	176.6	0.84	PASS		
Ca3179R	5009	4919	1.80	PASS		
Cd2265	175.7	172.7	1.71	PASS		
Co2286	176.2	172.5	2.10	PASS		
Cr2677	191.3	186.8	2.35	PASS		
Cu3247	178.1	175.1	1.68	PASS		
Fe2599A	5025	4939	1.71	PASS		
Fe2599R	4852	4731	2.49	PASS		
K_7664R	4843	4365	9.87	PASS		
Mg2790R	5015	4985	0.60	PASS		
Mn2576	193.3	189.8	1.81	PASS		
Na5895R	5077	4960	2.30	PASS		
Ni2316	179.1	172.8	3.52	PASS		
Pb2203	177.7	177.4	0.17	PASS		
Sb2068	171.5	152.2	11.25	> 10%	UJ	
Se1960	170.7	179.6	-5.21	PASS		
Tl1908	179.6	182.1	-1.39	PASS		
V_2924	185.1	180.6	2.43	PASS		
Zn2062	188.3	184.1	2.23	PASS		
Mo2020	175.8	172.4	1.93	PASS		
Ti3372	183.8	179.2	2.50	PASS		
B_2089	167.7	151	9.96	PASS		
Si2881A	5602	5368	4.18	PASS		
Si2881R	5529	5481	0.87	PASS		
Sr3464	187.6	185.2	1.28	PASS		
Sn1899	180.2	171.2	4.99	PASS		

Darkened Areas = Not Elements of Interest

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 1 AT

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: R. RECTO

SAMPLE PREPARATION DATE(S): 07/28/11

ANALYSIS DATE: 08/02/11

DATA FILE: ESAT080211

ELEMENT(S) OF INTEREST: TAL Metals

COVER PAGE

	Pos ID	Type	Samplename	Comment	Instrument	Method	CorrFact	Check	Check Table	Fail Action
1	1	QC	PBS B19P04		ICAP6300	SOP-C-109	0.09804	☒	PBS	None
2	2	QC	LCSS-1 B19P04		ICAP6300	SOP-C-109	0.09804	☒	LCSS	None
3	3	QC	LCSS-2 B19P04		ICAP6300	SOP-C-109	0.09259	☒	LCSS	None
4	4	Unk	AN03316	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	AN03316 MS	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	AN03316 SDL	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	5	☒	LDR	---
7	7	Unk	AN03317	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	AN03318	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	Unk	AN03319	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	1	☒	LDR	---
10	10	Unk	AN03320	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	1	☒	LDR	---
11	11	Unk	AN03321	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	1	☒	LDR	---
12	12	Unk	AN03322	B.B.BEARING (11070024)	ICAP6300	SOP-C-109	1	☒	LDR	---
13	13	Unk	AN03232	VINELAND (11070010)	ICAP6300	SOP-C-109	1	☒	LDR	---
14	14	Unk	AN03232 MS	VINELAND (11070010)	ICAP6300	SOP-C-109	1	☒	LDR	---
15	15	Unk	AN03232 SDL	VINELAND (11070010)	ICAP6300	SOP-C-109	5	☒	LDR	---
16	16	Unk	AN03233	VINELAND (11070010)	ICAP6300	SOP-C-109	1	☒	LDR	---
17	17	Unk	AN03234	VINELAND (11070010)	ICAP6300	SOP-C-109	1	☒	LDR	---
18	18	Unk	AN03235	VINELAND (11070010)	ICAP6300	SOP-C-109	1	☒	LDR	---
19	19	QC	PBW-2 B19P02A		ICAP6300	SOP-C-109	1	☒	PBW	None
20	20	QC	LCSW-3 B19P02A		ICAP6300	SOP-C-109	1	☒	LCSW	None
21	21	QC	LCSW-4 B19P02A		ICAP6300	SOP-C-109	1	☒	LCSW	None
22	22	Unk	AN03306	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
23	23	Unk	AN03306 MS	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
24	24	Unk	AN03306 SDL	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	5	☒	LDR	---
25	25	Unk	AN03298	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
26	26	Unk	AN03299	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
27	27	Unk	AN03300	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
28	28	Unk	AN03301	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
29	29	Unk	AN03302	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
30	30	Unk	AN03303	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
31	31	Unk	AN03304	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
32	32	Unk	AN03305	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
33	33	Unk	AN03307	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
34	34	Unk	AN03308	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
35	35	Unk	AN03309	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
36	36	Unk	AN03310	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
37	37	Unk	AN03311	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
38	38	Unk	AN03312	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
39	39	Unk	AN03313	GENZALE PLATING (11070018)	ICAP6300	SOP-C-109	1	☒	LDR	---
40	40	Unk	AN03435	JEWETT W. LEAD (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
41	41	Unk	AN03435 MS	JEWETT W. LEAD (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
42	42	Unk	AN03435 SDL	JEWETT W. LEAD (11070033)	ICAP6300	SOP-C-109	5	☒	LDR	---

SUMMARY - VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	2 Aug 2011 12:19:49	2 Aug 2011 12:24:13	2 Aug 2011 12:28:37	2 Aug 2011 12:33:39	2 Aug 2011 12:37:58	2 Aug 2011 12:42:25	2 Aug 2011 12:46:51	2 Aug 2011 12:51:15
Ag3280	-.0004	.3814	.7629	196.1	-.3983	4.827	10.06	-.9682
Al3961A	.0071	2.858	5.736	4848.	-1.416	108.6	201.7	255600.
Al3961R	.0013	.2085	.4140	4882.	-5.092	107.1	196.5	297100.
As1890	.0001	.1563	.3135	199.9	.2690	5.696	17.22	-5.223
Ba4554R	.0050	10.95	21.49	196.8	.4100	102.2	201.1	.1299
Be3131R	.0006	7.986	15.89	194.7	.1104	3.132	6.045	.3960
Ca3179R	.0053	.5754	1.127	5107.	.8322	506.4	1011.	297200.
Cd2265	-.0001	6.247	12.29	198.2	.3489	3.019	6.165	.5424
Co2286	.0000	2.108	4.219	193.5	.3521	20.13	40.31	-.8097
Cr2677	-.0001	1.196	2.397	207.4	.3187	5.158	10.44	-.8016
Cu3247	.0099	4.052	8.067	205.0	.0842	11.19	21.68	4.109
Fe2599A	.0027	2.735	5.417	5185.	-1.748	47.95	98.25	^ *****
Fe2599R	.0004	.3871	.7656	5153.	.1502	47.46	96.56	295600.
K_7664R	-.0045	.1207	.2448	5072.	-12.81	502.7	986.6	-20.77
Mg2790R	.0002	.0618	.1229	5114.	-15.27	499.4	1002.	297200.
Mn2576	.0006	16.48	32.54	209.4	.1118	5.467	10.73	.3004
Na5895R	.0111	.4258	.8396	5044.	-18.56	1007.	1994.	302200.
Ni2316	.0000	1.152	2.308	196.7	-.1573	19.48	39.33	.4737
Pb2203	.0001	.4644	.9157	197.2	.8842	6.563	16.45	-1.430
Sb2068	.0001	.2941	.5983	191.8	-2.587	17.70	37.81	.8144
Se1960	.0002	.1251	.2488	195.4	.1425	20.04	36.72	-1.120
Tl1908	-.0001	.2429	.4850	199.3	1.461	21.17	41.18	1.044
V_2924	.0001	3.537	7.111	197.8	.1733	19.89	39.69	-.3983
Zn2062	.0011	2.483	4.883	202.1	.2789	21.97	43.95	3.617
Mo2020	.0000	1.516	3.079	197.0	.5096	10.32	20.42	-2.154
Ti3372	-.0009	10.07	20.34	200.4	-.0284	10.40	20.54	2.009
B_2089	.0003	.7267	1.461	206.4	4.408	12.29	21.34	.8786
Si2881A	.0075	.6662	1.324	4998.	-.6856	517.8	1010.	9.818
Si2881R	.0006	.1009	.1993	4988.	16.35	520.0	1014.	28.32
Sn1899	.0001	.3876	.7698	199.1	-.4869	9.363	20.41	1.247
Sr3464	-.0007	2.700	5.426	205.7	.9335	10.92	20.61	1.605
Y_2243-A	23648.	23361.	22994.	24163.	23113.	23123.	23646.	20940.
Y_3203-A	44625.	44414.	43291.	44615.	42821.	42854.	44148.	40157.
Y_3600-R	27629.	27064.	27096.	27155.	26736.	27092.	27196.	27051.

SUMMARY - VERTICAL REPORT

	PBS B19P04	LCSS-1 B19P04	LCSS-2 B19P04	AN03316	AN03316 MS	AN03316 SDL	AN03317	AN03318	AN03319
	2 Aug 2011 12:56:17	2 Aug 2011 13:00:42	2 Aug 2011 13:05:24	2 Aug 2011 13:10:05	2 Aug 2011 13:14:53	2 Aug 2011 13:19:37	2 Aug 2011 13:24:05	2 Aug 2011 13:28:53	2 Aug 2011 13:33:50
Ag3280	-.0304	48.69	49.43	1.267	150.3	145.2	8.588	7.680	11.94
Al3961A	2.007	8550.	8557.	46630.	49500.	48580.	37300.	41040.	42730.
Al3961R	1.653	8862.	8669.	45370.	48880.	48430.	36660.	40590.	42830.
As1890	-.3982	102.1	99.52	945.7	1093.	1083.	227.1	95.55	193.9
Ba4554R	.0134	312.4	304.2	644.5	790.3	780.5	1211.	679.4	759.6
Be3131R	.0003	86.60	85.13	3.029	150.4	147.9	2.743	2.818	2.683
Ca3179R	1.895	5916.	5751.	16590.	19830.	19880.	40210.	70050.	84720.
Cd2265	.0102	95.36	90.57	7.498	146.9	150.0	11.69	15.52	11.32
Co2286	.0059	121.0	117.7	37.69	180.5	182.5	32.61	53.21	55.04
Cr2677	-.0039	87.40	87.86	164.9	310.3	311.8	228.9	273.7	258.0
Cu3247	-.0112	78.64	77.77	7476.	7593.	7345.	35820.	33330.	F 67980.
Fe2599A	2.157	11070.	10780.	F 101800.	F 103200.	F 115800.	F 110500.	F 133200.	F 136100.
Fe2599R	2.487	12900.	12300.	112500.	116500.	117300.	127900.	156300.	159200.
K_7664R	-2.840	2464.	2425.	7026.	10220.	10080.	7111.	6029.	5590.
Mg2790R	2.214	2703.	2677.	13530.	16720.	16920.	18110.	37150.	39920.
Mn2576	-.0160	406.3	410.7	1407.	1538.	1547.	1534.	2541.	2410.
Na5895R	12.76	647.1	640.8	392.2	3564.	3497.	617.1	1323.	1436.
Ni2316	-.0213	96.82	94.62	137.2	278.9	282.8	282.5	326.5	593.6
Pb2203	-.0735	135.0	126.9	2600.	2739.	2804.	8580.	5933.	9492.
Sb2068	-.3997	144.8	141.3	31.27	168.8	153.1	173.0	152.5	177.4
Se1960	-.1999	187.3	176.6	1.118	142.8	144.2	4.483	.5987	-.3861
Tl1908	.0478	155.5	155.2	.5998	141.4	138.0	-.7767	-.6523	-1.998
V_2924	-.0466	102.4	102.7	166.5	311.7	308.8	242.8	246.9	237.5
Zn2062	-.0338	264.3	256.5	2529.	2657.	2780.	3656.	10450.	7587.
Mo2020	-.0088	76.62	74.91	3.545	142.0	139.4	12.03	15.51	18.66
Ti3372	-.0171	196.0	193.4	1310.	1450.	1439.	674.6	1404.	1463.
B_2089	-.0291	127.9	123.5	44.87	188.4	186.2	48.38	66.18	56.55
Si2881A	.8862	1926.	1956.	6159.	9973.	10030.	3880.	8796.	9368.
Si2881R	.6359	1964.	1955.	5974.	9869.	9941.	3819.	8642.	9135.
Sn1899	-.0359	130.8	129.6	358.2	497.6	503.3	2979.	2716.	5944.
Sr3464	.0256	102.7	95.53	110.3	255.9	261.9	240.0	222.4	296.6
Y_2243-A	23388.	23024.	23228.	23976.	24120.	24119.	24522.	24384.	24893.
Y_3203-A	42775.	44528.	43701.	44327.	44726.	44474.	46301.	45322.	45308.
Y_3600-R	26799.	29449.	29234.	28615.	28257.	26435.	29503.	28993.	28035.

SUMMARY - VERTICAL REPORT

	AN03320	CCV	CCB	AN03321	AN03322	AN03232	AN03232 MS	AN03232 SDL	AN03233
	2 Aug 2011 13:38:47	2 Aug 2011 13:43:38	2 Aug 2011 13:47:52	2 Aug 2011 13:52:17	2 Aug 2011 13:57:05	2 Aug 2011 14:01:57	2 Aug 2011 14:06:19	2 Aug 2011 14:10:33	2 Aug 2011 14:14:55
Ag3280	-.7383	198.7	-.0398	2.683	-.3093	-.0232	177.4	174.2	-.4563
Al3961A	59810.	4891.	-.7970	62270.	56590.	1304.	6595.	6411.	22620.
Al3961R	59000.	4938.	3.776	62020.	57530.	1281.	6571.	6331.	22090.
As1890	59.21	188.6	-.8717	70.74	68.56	-.5352	171.8	157.0	21.96
Ba4554R	290.6	197.5	.2656	390.8	373.2	15.87	194.7	188.4	433.2
Be3131R	3.566	193.3	-.0230	2.710	2.646	.1644	176.6	170.5	4.036
Ca3179R	21920.	5170.	-2.578	31240.	31560.	322.9	5230.	5020.	6582.
Cd2265	3.792	197.5	.1613	5.123	5.749	.1357	173.0	168.1	3.293
Co2286	27.52	192.3	-.1568	31.97	31.05	2.464	177.2	169.9	62.51
Cr2677	179.7	212.2	-.4083	240.7	255.4	5.099	189.1	180.4	164.6
Cu3247	7254.	204.3	.4924	F 61530.	6866.	1.973	177.7	174.6	41.02
Fe2599A	F 152900.	5274.	3.541	F 121800.	F 120600.	2069.	6937.	6749.	28200.
Fe2599R	179000.	5160.	4.369	138600.	133100.	2011.	6829.	6573.	28490.
K_7664R	7335.	5074.	-35.91	8406.	7796.	86.86	4972.	4553.	667.9
Mg2790R	11580.	5217.	-1.495	19430.	20570.	68.04	5029.	4775.	1311.
Mn2576	732.8	214.0	.0059	1094.	1114.	90.25	275.2	268.8	526.9
Na5895R	820.0	5088.	-13.57	1275.	1140.	6.636	4886.	4610.	182.7
Ni2316	106.6	197.2	-.2467	227.7	152.7	1.871	179.0	173.3	51.06
Pb2203	1889.	199.1	.8861	11810.	1986.	9.555	184.7	178.7	146.0
Sb2068	15.73	189.2	-1.768	24.00	22.46	-3.578	168.6	150.1	2.604
Se1960	-1.910	193.2	-1.391	1.498	.2276	-1.925	168.0	163.6	5.125
Tl1908	-.2352	197.8	.6458	-.7631	.0510	-.1933	174.4	167.3	-.8062
V_2924	239.3	200.0	-.4298	231.0	221.6	5.256	185.2	178.0	151.7
Zn2062	2793.	205.6	.1170	2656.	2912.	15.95	195.9	190.6	254.8
Mo2020	4.307	195.2	-.0974	9.690	7.860	.1009	171.4	164.5	3.468
Ti3372	594.5	200.3	-.0846	1013.	972.0	243.3	381.9	370.9	310.5
B_2089	35.50	194.4	-2.083	54.72	50.42	-1.047	165.8	158.7	5.078
Si2881A	7587.	5073.	.6200	6297.	6611.	794.2	6630.	6625.	3506.
Si2881R	7424.	5062.	9.144	6205.	6520.	765.0	6616.	6539.	3455.
Sn1899	383.2	201.4	-.6590	1723.	453.9	-.3472	174.7	164.1	4.355
Sr3464	166.3	210.6	.1411	198.5	188.5	2.960	185.5	180.1	47.02
Y_2243-A	25593.	24840.	24024.	24711.	25292.	25325.	24754.	24608.	25349.
Y_3203-A	46091.	44269.	43620.	45007.	45550.	45301.	44668.	43731.	45952.
Y_3600-R	28681.	25779.	26330.	28124.	27879.	27068.	26446.	26472.	28009.

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	AN03234	AN03235	PBW-2 B19P02A	LCSW-3 B19P02A	CCV	CCB	LCSW-4 B19P02A	AN03306	AN03306 MS
	2 Aug 2011 14:19:31	2 Aug 2011 14:24:06	2 Aug 2011 14:28:41	2 Aug 2011 14:33:07	2 Aug 2011 14:37:22	2 Aug 2011 14:41:35	2 Aug 2011 14:46:00	2 Aug 2011 14:50:15	2 Aug 2011 14:54:40
Ag3280	-.3221	-1.565	-.4828	215.6	201.4	-.1727	212.1	.1371	180.3
Al3961A	23330.	48470.	2.066	4983.	4911.	-2.367	4867.	1.556	4945.
Al3961R	23110.	49660.	-.6857	4977.	4962.	-11.31	4953.	6.129	4913.
As1890	21.29	48.76	.1215	202.1	192.7	-1.713	204.8	-1.474	171.1
Ba4554R	422.8	167.9	.2677	210.1	198.8	.4054	210.9	97.53	274.8
Be3131R	4.247	4.655	.0288	206.5	193.1	.0258	208.0	-.0382	173.6
Ca3179R	6782.	1594.	-4.826	5259.	5183.	-5.151	5247.	19140.	24370.
Cd2265	3.526	1.485	.0162	204.9	197.3	-.1070	205.6	-.0065	169.0
Co2286	61.23	23.45	.0332	205.6	191.8	-.0159	205.5	.0572	170.1
Cr2677	177.6	220.5	-.1047	224.1	216.2	-.0594	222.1	10.97	195.6
Cu3247	42.35	56.22	.1507	205.6	203.8	.2527	203.6	.7779	174.1
Fe2599A	24970.	54800.	1.699	5375.	5317.	-1.997	5293.	25.78	5045.
Fe2599R	25350.	58680.	2.098	5154.	5158.	-2.531	5171.	24.85	4863.
K_7664R	640.6	738.8	-47.07	5129.	5118.	-50.99	5111.	2728.	7698.
Mg2790R	1421.	932.4	-9.734	5347.	5235.	-9.602	5297.	3009.	7987.
Mn2576	360.0	511.7	-.1017	227.4	217.8	-.0765	224.8	1.136	189.2
Na5895R	171.3	732.1	-39.23	5197.	5102.	-31.37	5153.	56200.	61860.
Ni2316	52.36	25.76	-.3603	210.5	197.9	-.1560	208.6	4.371	176.8
Pb2203	152.9	217.5	-.8981	205.4	198.0	.9768	209.3	-1.024	170.7
Sb2068	.1476	.5296	-1.732	203.1	189.0	-3.329	199.7	-1.932	165.9
Se1960	5.239	4.359	-3.470	197.7	189.7	-4.784	199.8	-1.781	166.4
Tl1908	-.3036	-.4687	-1.001	209.3	198.7	.5694	207.9	-.1366	169.5
V_2924	161.5	233.4	-.2113	216.4	203.6	-.4970	214.1	.1029	180.9
Zn2062	266.9	97.18	-.4338	219.2	206.1	.1960	218.5	14.71	196.1
Mo2020	3.695	6.162	-.3859	204.9	196.3	-.0695	202.9	.1795	171.4
Ti3372	292.7	388.5	-.2729	214.3	202.4	-.0912	212.7	.1584	179.4
B_2089	4.516	5.203	-2.443	195.8	193.1	-2.287	196.7	12.31	179.7
Si2881A	3487.	3476.	-3.545	5415.	5105.	-3.455	5284.	3666.	9011.
Si2881R	3443.	3477.	7.373	5312.	5050.	1.922	5280.	3558.	8843.
Sn1899	4.439	5.271	-.1107	209.4	203.0	-.3904	207.9	-.5508	173.0
Sr3464	49.95	7.490	-.0384	220.8	213.4	-.6342	218.9	135.3	318.4
Y_2243-A	25618.	30580.	24670.	25363.	25621.	24950.	25729.	25173.	24693.
Y_3203-A	46860.	55952.	44085.	44130.	44716.	44607.	44840.	43583.	42664.
Y_3600-R	28167.	33285.	25943.	24984.	26162.	26071.	25914.	26236.	25655.

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	AN03306 SDL	AN03298	AN03299	AN03300	AN03301	AN03302	AN03303	CCV	CCB
	2 Aug 2011 14:58:55	2 Aug 2011 15:03:17	2 Aug 2011 15:07:49	2 Aug 2011 15:12:13	2 Aug 2011 15:16:34	2 Aug 2011 15:20:56	2 Aug 2011 15:25:15	2 Aug 2011 15:29:39	2 Aug 2011 15:33:53
Ag3280	175.1	-.2272	-.2879	-.1666	-.2369	-.4238	-.3378	201.3	-.2276
Al3961A	4799.	-6.558	55.42	69.37	11.55	17.64	-2.725	4954.	-1.047
Al3961R	4854.	-16.32	48.80	71.63	5.977	17.69	-1.022	4935.	4.047
As1890	155.4	.9304	-.1635	.4316	1.807	-2.188	3.431	188.3	-1.701
Ba4554R	269.9	323.7	56.51	67.25	60.65	39.07	78.02	196.7	.5920
Be3131R	170.4	.0750	-.0229	.1182	.0878	.0977	.0998	193.1	-.0038
Ca3179R	24010.	35980.	15660.	27860.	18880.	36450.	17740.	5169.	-1.479
Cd2265	167.3	1.535	-.0830	2.997	.0478	83.47	.0479	196.2	.1179
Co2286	168.1	.0628	.1928	6.781	.7476	5.499	.1112	191.9	-.0853
Cr2677	190.9	14.46	6.625	1682.	145.3	2406.	22.78	215.8	.3567
Cu3247	169.1	13.94	.7671	101.1	3.092	140.0	1.298	203.7	.0217
Fe2599A	4964.	72.41	719.4	1025.	639.7	15.59	30.37	5315.	-2.014
Fe2599R	4761.	71.36	688.7	982.2	608.8	16.04	30.69	5121.	2.282
K_7664R	7343.	4603.	2483.	2566.	2143.	3294.	2767.	5069.	-32.06
Mg2790R	7836.	6973.	2607.	7407.	3292.	8797.	3238.	5256.	-5.217
Mn2576	185.7	984.1	22.79	44.24	6.622	145.1	2.005	217.2	-.0208
Na5895R	61180.	356500.	39330.	82870.	41260.	32110.	42980.	5155.	11.78
Ni2316	173.4	78.17	4.511	1030.	27.51	2384.	2.361	198.0	-.6943
Pb2203	171.6	.8052	.7707	-.9690	1.101	-.9984	-.1157	196.0	-.0574
Sb2068	169.5	-2.721	-2.347	15.33	-2.990	25.53	-7.415	191.7	-2.916
Se1960	145.0	.3848	-4.194	-.4495	.5586	-.1915	-1.014	190.6	-2.601
Tl1908	170.6	-.0019	.0671	-.1370	.0109	-.2838	-.1190	198.4	.8402
V_2924	173.1	-.1827	.0951	1.300	1.892	-.0399	-.1864	203.7	-.2946
Zn2062	194.3	20.59	24.52	78.68	20.63	528.3	22.68	206.6	.0371
Mo2020	167.2	.5957	.4837	.6571	2.337	.4537	-.0605	195.9	-.2731
Ti3372	175.7	.1020	2.774	.5253	.6535	-.2084	-.1226	201.9	-.2517
B_2089	171.0	15.43	9.815	52.25	9.450	318.2	11.74	190.8	-2.431
Si2881A	8927.	2817.	4116.	3614.	3440.	5980.	3874.	5110.	-3.124
Si2881R	8751.	2780.	4005.	3541.	3370.	5903.	3844.	5048.	1.600
Sn1899	164.8	-1.249	-1.554	-.9591	-.4397	-1.407	-1.660	203.0	-1.081
Sr3464	311.2	234.8	101.3	150.7	119.0	153.6	131.6	212.3	.1872
Y_2243-A	24770.	23626.	24755.	24298.	25025.	24380.	24482.	24555.	23568.
Y_3203-A	43499.	41810.	43461.	42347.	43380.	43187.	42389.	42981.	41156.
Y_3600-R	25506.	25714.	26191.	25599.	25387.	25561.	24679.	24772.	24623.

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	AN03304	AN03305	AN03307	AN03308	AN03309	AN03310	AN03311	AN03312	AN03313
	2 Aug 2011 15:38:19	2 Aug 2011 15:42:43	2 Aug 2011 15:47:05	2 Aug 2011 15:51:26	2 Aug 2011 15:55:50	2 Aug 2011 16:00:10	2 Aug 2011 16:04:37	2 Aug 2011 16:08:59	2 Aug 2011 16:13:24
Ag3280	-.3736	.6448	-.1445	-.9380	.0589	-.5170	-.4245	-.0248	-.1491
Al3961A	19.02	1.774	-3.383	19.42	199.5	58.44	2468.	-5.660	38.33
Al3961R	27.38	-7.394	-4.439	20.94	211.4	64.67	2491.	-6.362	43.25
As1890	-2.214	-1.149	2.547	-2.205	.3095	.8544	1.889	.0860	.5119
Ba4554R	7.476	73.38	11.86	7.519	141.2	26.98	136.2	17.80	.9310
Be3131R	.1649	.1549	.2910	.0200	.0941	.0102	.2522	.0796	.0170
Ca3179R	17260.	24970.	25270.	17440.	27270.	14970.	25800.	19480.	54.31
Cd2265	.0562	1.293	.1091	-.0146	-.0276	.0707	.0535	.0145	-.0533
Co2286	.5064	3.274	.3355	.2555	1.952	.2024	2.307	.1276	.0170
Cr2677	14.88	148.3	70.27	14.75	2371.	15.53	28.02	.9727	7.712
Cu3247	9.216	43.47	376.8	9.280	25.48	1.288	4.874	.8959	.9277
Fe2599A	210.4	61.29	18.16	211.8	9462.	322.7	4686.	50.96	53.09
Fe2599R	200.5	58.48	19.46	200.3	9056.	312.7	4520.	50.30	51.82
K_7664R	2039.	2751.	2665.	2080.	2522.	2149.	4337.	2321.	-30.87
Mg2790R	6601.	3870.	8345.	6653.	5090.	3332.	4416.	4984.	-5.186
Mn2576	31.99	12.99	21.45	32.12	29.90	6.468	149.0	.9817	.6815
Na5895R	26650.	68560.	36200.	26860.	96480.	55930.	51560.	21030.	136.4
Ni2316	68.91	147.7	29.98	69.89	51.40	4.648	40.24	1.124	.5222
Pb2203	-.2502	-1.074	.6729	-2.132	.0732	-.3592	3.042	-.4388	-.5178
Sb2068	-2.130	.8719	-1.643	-2.545	22.79	-3.474	.7163	-1.313	-3.275
Se1960	-1.785	-2.871	-2.463	-1.781	2.010	-1.636	-2.245	-.9560	-2.107
Tl1908	-1.710	.1057	-.7047	-.0851	-.4009	-.4273	-.5373	-.6955	-.2927
V_2924	-.0680	-.2420	-.6777	-.2528	15.40	-.0255	4.766	-.1319	.1117
Zn2062	23.39	54.48	112.8	55.36	6.855	2.921	13.26	17.56	6.007
Mo2020	.8413	.6717	.0304	.1753	5.822	.4516	2.721	.0484	.1127
Ti3372	.9634	-.0073	-.2136	1.235	9.537	1.585	142.5	-.2245	.1995
B_2089	10.98	17.81	12.55	10.86	23.83	11.17	19.74	13.13	-2.064
Si2881A	6257.	4319.	6328.	6343.	4820.	3688.	7813.	6458.	12.97
Si2881R	6126.	4217.	6305.	6200.	4726.	3638.	7674.	6249.	16.27
Sn1899	-.3506	-1.403	-.8429	-.8141	-.4145	-.8489	-.1602	-2.066	-1.369
Sr3464	146.5	175.5	269.7	146.9	168.7	113.2	177.2	225.8	.5828
Y_2243-A	24456.	24332.	24709.	24605.	24389.	24771.	24853.	24792.	23873.
Y_3203-A	41818.	42355.	43981.	43035.	42501.	43275.	43451.	43243.	42333.
Y_3600-R	24445.	24997.	24866.	25401.	25340.	25606.	25458.	25432.	25227.

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	AN03435	CCV	CCB	AN03435 MS	AN03435 SDL	CCV	CCB	RL	2RL	IOS
	2 Aug 2011 16:17:50	2 Aug 2011 16:22:16	2 Aug 2011 16:26:30	2 Aug 2011 16:30:56	2 Aug 2011 16:35:13	2 Aug 2011 16:39:35	2 Aug 2011 16:43:49	2 Aug 2011 16:48:15	2 Aug 2011 16:52:40	2 Aug 2011 16:57:04
Ag3280	-.2512	202.6	-.2441	184.5	176.6	201.6	-.2866	5.370	10.54	-.6057
Al3961A	3.337	4982.	-1.478	4933.	4847.	4949.	-.1389	108.8	214.9	259000.
Al3961R	8.891	5012.	-2.776	4892.	4836.	5030.	-7.879	118.0	210.4	299200.
As1890	-5.036	189.7	-1.351	173.1	175.1	191.2	-3.184	8.751	15.48	-1.257
Ba4554R	.3857	200.1	.5874	180.8	182.5	199.7	.2571	102.0	207.0	.2217
Be3131R	.1302	194.4	.0868	178.1	176.6	193.6	-.1267	3.026	6.182	.4672
Ca3179R	56.27	5208.	-2.769	5009.	4919.	5228.	-2.610	508.1	1028.	294200.
Cd2265	.0257	195.4	.0476	175.7	172.7	196.9	.0054	3.026	5.830	-.5959
Co2286	-.3477	191.1	.0695	176.2	172.5	192.1	-.0014	20.21	39.94	-.3759
Cr2677	-.2080	216.9	-.4415	191.3	186.8	217.9	.2219	5.352	11.44	-.9095
Cu3247	.3880	204.2	-.0512	178.1	175.1	203.7	-.3020	11.04	21.53	4.553
Fe2599A	.6735	5300.	-1.582	5025.	4939.	5334.	-1.275	48.87	101.2	^ *****
Fe2599R	1.878	5138.	-1.477	4852.	4731.	5140.	1.643	48.90	94.46	294300.
K_7664R	-19.98	5121.	-83.87	4843.	4365.	5132.	-60.33	489.5	997.0	-18.95
Mg2790R	-4.761	5256.	5.115	5015.	4985.	5315.	-13.77	494.1	1026.	301000.
Mn2576	.0348	218.4	-.0607	193.3	189.8	218.7	-.0254	5.543	11.41	.3083
Na5895R	170.2	5181.	-5.076	5077.	4960.	5164.	-18.21	1011.	2052.	297000.
Ni2316	-.2505	198.5	-.5762	179.1	172.8	198.6	-.6841	19.63	40.12	.8477
Pb2203	-.1052	198.2	-1.554	177.7	177.4	197.6	-.0399	7.665	15.33	.4771
Sb2068	-3.585	192.7	-4.532	171.5	152.2	190.3	-2.597	16.71	34.63	.2135
Se1960	-1.234	189.6	-4.103	170.7	179.6	184.0	-4.500	17.87	38.51	-5.137
Tl1908	-.1114	201.5	-.6343	179.6	182.1	200.1	1.020	20.99	40.45	.6956
V_2924	-.1899	204.1	-.1855	185.1	180.6	204.2	-.2319	20.71	42.72	-.4039
Zn2062	1.653	205.3	.1363	188.3	184.1	208.5	-.0030	22.60	44.80	3.455
Mo2020	-.2107	196.7	-.1991	175.8	172.4	196.2	-.2568	10.11	20.93	-1.903
Ti3372	-.0768	202.6	-.6082	183.8	179.2	202.4	-.2133	10.48	21.35	2.021
B_2089	-2.402	190.9	-2.431	167.7	151.0	190.0	-2.268	8.076	17.15	-2.332
Si2881A	115.4	5112.	-2.757	5602.	5368.	5093.	-1.170	526.8	1068.	5.772
Si2881R	118.9	5079.	-5.433	5529.	5481.	5113.	12.70	515.6	1019.	28.90
Sn1899	-.4851	203.3	-1.083	180.2	171.2	204.0	-1.046	9.355	19.96	1.225
Sr3464	.8010	213.8	-.3460	187.6	185.2	214.6	.3696	11.22	22.95	1.456
Y_2243-A	23552.	23941.	23552.	23990.	23772.	24202.	24251.	24743.	24953.	22527.
Y_3203-A	43091.	41796.	40476.	41824.	41503.	41884.	42616.	44056.	42988.	40481.
Y_3600-R	25826.	24233.	24085.	24209.	23592.	23714.	25598.	26547.	26389.	26763.

Sample Name: Blank Acquired: 8/2/2011 12:19:49 Type: Cal
Method: PT_MET(v95) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**.0071**	**.0013**	**.0001**	**.0050**	**.0006**	**.0053**	**-.0001**	**.0000**	**-.0001**	**.0099**
Stddev	.0006	.0005	.0005	.0000	.0004	.0003	.0000	.0001	.0000	.0000	.0001
%RSD	155.6	7.239	36.72	35.65	8.426	56.72	.8852	97.08	8.164	64.97	.9913
#1	-.0007	.0065	.0007	.0001	.0049	.0004	.0052	-.0002	.0000	-.0001	.0098
#2	.0003	.0073	.0016	.0000	.0046	.0010	.0053	.0000	.0000	.0000	.0100
#3	-.0006	.0075	.0014	.0001	.0054	.0004	.0053	-.0002	.0000	-.0001	.0098

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0027**	**.0004**	**-.0045**	**.0002**	**.0006**	**.0111**	**.0000**	**.0001**	**.0001**	**.0002**	**-.0001**
Stddev	.0003	.0002	.0017	.0000	.0001	.0009	.0001	.0001	.0001	.0001	.0000
%RSD	11.57	42.40	36.77	20.06	17.17	8.379	1325.	63.88	67.53	30.00	42.95
#1	.0023	.0004	-.0026	.0001	.0005	.0110	-.0001	.0001	.0001	.0002	-.0001
#2	.0030	.0002	-.0058	.0001	.0007	.0121	.0000	.0002	.0001	.0002	-.0002
#3	.0026	.0005	-.0052	.0002	.0006	.0102	.0001	.0000	.0002	.0001	-.0001

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0011**	**.0000**	**-.0009**	**.0003**	**.0075**	**.0006**	**-.0007**	**.0001**
Stddev	.0002	.0000	.0000	.0005	.0001	.0002	.0002	.0001	.0000
%RSD	257.0	2.680	294.7	51.80	48.49	2.558	25.39	17.67	20.11
#1	-.0002	.0010	.0000	-.0008	.0003	.0077	.0005	-.0008	.0001
#2	.0002	.0010	.0000	-.0005	.0005	.0074	.0005	-.0008	.0002
#3	.0002	.0011	.0001	-.0014	.0002	.0073	.0008	-.0006	.0002

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23648.**	**44625.**	**27629.**
Stddev	49.	262.	146.
%RSD	.20532	.58624	.52809
#1	23596.	44908.	27797.
#2	23693.	44578.	27561.
#3	23655.	44391.	27530.

Sample Name: MID STD Acquired: 8/2/2011 12:24:13 Type: Cal
Method: PT_MET(v95) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3814**	**2.858**	**.2085**	**.1563**	**10.95**	**7.986**	**.5754**	**6.247**	**2.108**	**1.196**	**4.052**
Stddev	.0006	.007	.0008	.0005	.02	.018	.0030	.041	.007	.001	.012
%RSD	.1490	.2448	.3670	.3405	.1804	.2235	.5190	.6541	.3355	.1072	.3008
#1	.3820	2.865	.2077	.1557	10.95	7.988	.5721	6.200	2.099	1.195	4.065
#2	.3812	2.859	.2092	.1567	10.93	8.003	.5763	6.273	2.111	1.197	4.042
#3	.3809	2.851	.2087	.1564	10.97	7.967	.5779	6.269	2.112	1.195	4.049

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.735**	**.3871**	**.1207**	**.0618**	**16.48**	**.4258**	**1.152**	**.4644**	**.2941**	**.1251**	**.2429**
Stddev	.003	.0013	.0004	.0006	.04	.0009	.002	.0025	.0004	.0012	.0008
%RSD	.1097	.3380	.3194	1.011	.2218	.2117	.1275	.5449	.1440	.9378	.3428
#1	2.731	.3866	.1206	.0614	16.44	.4251	1.151	.4615	.2936	.1238	.2422
#2	2.737	.3886	.1204	.0625	16.51	.4268	1.152	.4663	.2942	.1262	.2426
#3	2.735	.3861	.1211	.0616	16.48	.4255	1.154	.4655	.2944	.1252	.2438

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.537**	**2.483**	**1.516**	**10.07**	**.7267**	**.6662**	**.1009**	**2.700**	**.3876**
Stddev	.006	.011	.003	.06	.0046	.0019	.0010	.005	.0011
%RSD	.1717	.4336	.1796	.6124	.6351	.2810	.9830	.1894	.2868
#1	3.544	2.471	1.515	10.14	.7217	.6683	.0998	2.695	.3873
#2	3.532	2.486	1.514	10.04	.7309	.6656	.1012	2.705	.3867
#3	3.536	2.492	1.519	10.02	.7274	.6648	.1017	2.700	.3888

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23361.**	**44414.**	**27064.**
Stddev	119.	105.	360.
%RSD	.51049	.23685	1.3314
#1	23401.	44494.	27471.
#2	23455.	44455.	26937.
#3	23227.	44295.	26785.

Sample Name: HIGH STD Acquired: 8/2/2011 12:28:37 Type: Cal
Method: PT_MET(v95) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7629**	**5.736**	**.4140**	**.3135**	**21.49**	**15.89**	**1.127**	**12.29**	**4.219**	**2.397**	**8.067**
Stddev	.0011	.024	.0014	.0012	.42	.28	.006	.06	.010	.004	.095
%RSD	.1404	.4224	.3339	.3728	1.946	1.730	.5019	.4602	.2286	.1764	1.176
#1	.7617	5.714	.4154	.3139	21.13	15.88	1.130	12.31	4.225	2.393	8.035
#2	.7633	5.733	.4126	.3145	21.40	15.62	1.121	12.33	4.223	2.397	7.992
#3	.7637	5.762	.4141	.3122	21.95	16.17	1.131	12.23	4.207	2.402	8.174

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.417**	**.7656**	**.2448**	**.1229**	**32.54**	**.8396**	**2.308**	**.9157**	**.5983**	**.2488**	**.4850**
Stddev	.061	.0028	.0008	.0008	.10	.0027	.003	.0031	.0011	.0011	.0011
%RSD	1.132	.3676	.3410	.6245	.2988	.3241	.1243	.3388	.1914	.4402	.2183
#1	5.346	.7674	.2455	.1236	32.44	.8406	2.309	.9165	.5983	.2495	.4849
#2	5.453	.7624	.2439	.1221	32.58	.8365	2.304	.9184	.5971	.2494	.4840
#3	5.452	.7671	.2451	.1230	32.62	.8417	2.309	.9124	.5994	.2475	.4862

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.111**	**4.883**	**3.079**	**20.34**	**1.461**	**1.324**	**.1993**	**5.426**	**.7698**
Stddev	.074	.011	.004	.16	.004	.004	.0015	.010	.0005
%RSD	1.047	.2244	.1143	.7762	.2513	.3309	.7370	.1891	.0626
#1	7.027	4.882	3.081	20.33	1.462	1.320	.2006	5.422	.7704
#2	7.134	4.894	3.075	20.18	1.464	1.324	.1977	5.418	.7694
#3	7.171	4.872	3.082	20.50	1.457	1.329	.1996	5.437	.7697

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22994.**	**43291.**	**27096.**
Stddev	114.	543.	205.
%RSD	.49480	1.2551	.75487
#1	23092.	43803.	27196.
#2	22869.	43349.	27231.
#3	23022.	42721.	26860.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	-0.000363	0.000764	0.000000	1.000000	1.000000	0.004440	0.013320	0.044401
Al 396.152 { 85}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.007075	0.000561	0.000000	1.000000	0.999998	0.273332	0.819997	2.733324
Al 396.152 { 85}2	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.001265	0.000040	0.000000	1.000000	0.999998	0.256648	0.769943	2.566475
As 189.042 {478}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.000080	0.000031	0.000000	1.000000	0.999999	0.203698	0.611093	2.036978
Ba 455.403 { 74}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.005022	0.002162	0.000000	1.000000	0.999961	1.084055	3.252164	10.840548
Be 313.107 {108}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.000602	0.001591	0.000000	1.000000	0.999997	0.285810	0.857429	2.858095
Ca 317.933 {106}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.005276	0.000113	0.000000	1.000000	0.999971	0.940528	2.821584	9.405281
Cd 226.502 {449}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	-0.000077	0.001236	0.000000	1.000000	0.999969	0.957749	2.873248	9.577494
Co 228.616 {447}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.000043	0.000421	0.000000	1.000000	1.000000	0.045283	0.135848	0.452827
Cr 267.716 {126}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	-0.000073	0.000240	0.000000	1.000000	0.999999	0.145074	0.435223	1.450742
Cu 324.754 {104}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.009891	0.000809	0.000000	1.000000	0.999999	0.194944	0.584833	1.949444
Fe 259.940 {130}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.002661	0.000544	0.000000	1.000000	0.999991	0.526270	1.578809	5.262698
Fe 259.940 {130}2	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.000365	0.000077	0.000000	1.000000	0.999987	0.618310	1.854929	6.183096
K 766.490 { 44}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	-0.004534	0.000025	0.000000	1.000000	0.999998	0.259680	0.779039	2.596798
Mg 279.079 {121}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.000163	0.000012	0.000000	1.000000	0.999997	0.297564	0.892692	2.975640
Mn 257.610 {131}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.000684	0.003268	0.000000	1.000000	0.999983	0.715326	2.145979	7.153263
Na 589.592 { 57}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.011109	0.000083	0.000000	1.000000	1.000000	0.066456	0.199368	0.664561
Ni 231.604 {445}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.000006	0.000231	0.000000	1.000000	1.000000	0.069338	0.208014	0.693381
Pb 220.353 {453}	8/2/2011 12:33:32	8/2/2011 12:33:32	Linear	1/Conc	0.000123	0.000092	0.000000	1.000000	0.999978	0.813719	2.441158	8.137193
Sb 206.833 {463}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.000117	0.000060	0.000000	1.000000	0.999967	0.978384	2.935153	9.783842
Se 196.090 {472}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.000171	0.000025	0.000000	1.000000	0.999998	0.268472	0.805417	2.684724
Tl 190.856 {477}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	-0.000113	0.000049	0.000000	1.000000	1.000000	0.097554	0.292662	0.975541
V 292.402 {115}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.000085	0.000711	0.000000	1.000000	0.999997	0.292025	0.876074	2.920245
Zn 206.200 {463}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.001071	0.000491	0.000000	1.000000	0.999969	0.964015	2.892044	9.640147
Mo 202.030 {467}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.000009	0.000306	0.000000	1.000000	0.999973	0.896373	2.689120	8.963734
Ti 337.280 {100}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	-0.000912	0.002028	0.000000	1.000000	0.999989	0.575298	1.725893	5.752975
B 208.959 {461}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.000303	0.000139	0.000000	1.000000	0.999997	0.338140	1.014420	3.381399
Si 288.158 {117}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.007467	0.000131	0.000000	1.000000	1.000000	0.025066	0.075198	0.250658
Si 288.158 {117}2	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.000613	0.000020	0.000000	1.000000	0.999991	0.523922	1.571765	5.239216
Sr 346.446 { 97}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	-0.000746	0.000542	0.000000	1.000000	0.999998	0.268779	0.806336	2.687786
Sn 189.989 {477}	8/2/2011 12:33:33	8/2/2011 12:33:33	Linear	1/Conc	0.000149	0.000077	0.000000	1.000000	0.999995	0.389108	1.167323	3.891076
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/2/2011 12:33:39 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**196.1**	**4848.**	**4882.**	**199.9**	**196.8**	**194.7**	**5107.**	**198.2**	**193.5**	**207.4**	**205.0**
Stddev	1.6	36.	30.	2.4	.8	.0	18.	1.0	.6	1.2	1.4
%RSD	.7905	.7516	.6090	1.201	.3977	.0206	.3465	.5276	.3052	.5616	.6870
#1	195.7	4837.	4850.	200.7	196.0	194.7	5092.	198.8	193.8	206.5	205.5
#2	194.9	4818.	4887.	197.2	197.0	194.7	5102.	198.7	193.9	206.9	203.5
#3	197.9	4889.	4908.	201.8	197.5	194.7	5126.	196.9	192.8	208.7	206.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5185.**	**5153.**	**5072.**	**5114.**	**209.4**	**5044.**	**196.7**	**197.2**	**191.8**	**195.4**	**199.3**
Stddev	14.	5.	76.	16.	2.0	24.	.9	1.6	1.3	2.8	.6
%RSD	.2699	.1016	1.494	.3075	.9335	.4685	.4432	.8221	.6765	1.447	.2819
#1	5169.	5154.	5020.	5116.	207.2	5019.	196.7	198.8	190.5	195.0	199.8
#2	5193.	5147.	5159.	5128.	209.8	5066.	197.6	197.2	191.9	198.4	198.7
#3	5194.	5157.	5037.	5097.	211.1	5049.	195.8	195.6	193.1	192.8	199.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**197.8**	**202.1**	**197.0**	**200.4**	**206.4**	**4998.**	**4988.**	**205.7**	**199.1**
Stddev	.6	.7	.3	.7	1.7	23.	33.	1.6	.9
%RSD	.3025	.3642	.1769	.3541	.8331	.4547	.6689	.7756	.4636
#1	197.7	202.7	197.4	199.9	207.3	4989.	4953.	204.1	198.0
#2	197.3	202.4	196.7	200.0	207.5	4982.	5020.	205.6	199.7
#3	198.4	201.3	196.9	201.2	204.4	5024.	4991.	207.3	199.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24163.**	**44615.**	**27155.**
Stddev	42.	114.	326.
%RSD	.17336	.25539	1.1992
#1	24181.	44740.	27412.
#2	24115.	44588.	27264.
#3	24193.	44517.	26789.

Sample Name: ICB Acquired: 8/2/2011 12:37:58 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3983	-1.416	-5.092	.2690	.4100	.1104	.8322	.3489	.3521	.3187	.0842
Stddev	.2264	.734	12.47	2.899	.2645	.0991	2.634	.1366	.3982	.3635	.0842
%RSD	56.84	51.84	245.0	1078.	64.53	89.76	316.5	39.16	113.1	114.1	100.0
#1	-.3070	-1.966	-6.666	-3.068	.5580	.1324	-1.898	.2194	.0641	.7044	.1747
#2	-.2318	-.5824	8.094	2.164	.5674	.0022	1.038	.3356	.1857	-.0176	.0080
#3	-.6561	-1.701	-16.70	1.711	.1045	.1967	3.357	.4917	.8066	.2691	.0699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.748	.1502	-12.81	-15.27	.1118	-18.56	-.1573	.8842	-2.587	.1425	1.461
Stddev	.091	1.588	21.00	7.49	.0523	4.34	.2414	.8168	2.255	.8640	1.095
%RSD	5.211	1057.	164.0	49.06	46.79	23.35	153.4	92.38	87.17	606.5	74.93
#1	-1.643	1.491	-3.923	-18.25	.1467	-23.21	-.0953	1.348	-.5491	-.7181	2.317
#2	-1.793	.5632	2.291	-6.748	.0517	-17.86	.0470	-.0589	-5.009	.1355	.2276
#3	-1.808	-1.603	-36.79	-20.82	.1371	-14.63	-.4237	1.363	-2.202	1.010	1.838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1733	.2789	.5096	-.0284	4.408	-.6856	16.35	.9335	-.4869
Stddev	.3701	.1125	.4686	.2201	.848	2.046	12.11	.3452	1.042
%RSD	213.5	40.32	91.95	774.9	19.25	298.5	74.07	36.98	213.9
#1	-.0830	.1535	.8015	-.2718	5.003	.7356	17.88	.6610	.7155
#2	.5976	.3708	.7582	.1566	4.786	-3.031	3.545	1.322	-1.061
#3	.0054	.3124	-.0309	.0300	3.437	.2384	27.61	.8177	-1.116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23113.	42821.	26736.
Stddev	110.	72.	158.
%RSD	.47579	.16863	.59222
#1	22994.	42807.	26555.
#2	23211.	42899.	26810.
#3	23135.	42757.	26844.

Sample Name: RL Acquired: 8/2/2011 12:42:25 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.827**	**108.6**	**107.1**	**5.696**	**102.2**	**3.132**	**506.4**	**3.019**	**20.13**	**5.158**	**11.19**
Stddev	.289	1.5	2.9	2.939	.0	.115	.6	.090	.08	.383	.32
%RSD	5.978	1.406	2.718	51.61	.0382	3.680	.1186	2.998	.4055	7.420	2.888
#1	5.155	108.1	105.1	8.561	102.2	3.244	505.7	2.946	20.09	4.910	11.26
#2	4.715	107.4	105.7	5.840	102.3	3.139	506.8	3.120	20.23	5.599	10.84
#3	4.611	110.4	110.4	2.687	102.3	3.013	506.7	2.989	20.08	4.965	11.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47.95**	**47.46**	**502.7**	**499.4**	**5.467**	**1007.**	**19.48**	**6.563**	**17.70**	**20.04**	**21.17**
Stddev	.78	2.08	21.6	17.3	.059	5.	.44	2.307	.46	2.07	.57
%RSD	1.618	4.379	4.294	3.472	1.077	.4860	2.272	35.16	2.572	10.36	2.679
#1	48.00	48.42	480.6	495.7	5.399	1005.	19.80	4.050	17.61	17.92	20.54
#2	47.15	45.08	503.9	518.2	5.506	1004.	19.66	8.587	18.19	20.13	21.64
#3	48.70	48.90	523.7	484.2	5.495	1013.	18.97	7.050	17.30	22.06	21.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.89**	**21.97**	**10.32**	**10.40**	**12.29**	**517.8**	**520.0**	**10.92**	**9.363**
Stddev	.29	.28	.34	.05	.96	2.8	7.8	.67	.801
%RSD	1.441	1.267	3.333	.5282	7.811	.5326	1.491	6.150	8.560
#1	19.58	22.15	9.925	10.38	12.60	514.6	511.1	11.54	8.475
#2	20.14	21.65	10.49	10.46	13.06	519.1	524.0	11.01	10.03
#3	19.95	22.10	10.55	10.36	11.22	519.7	524.9	10.20	9.583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23123.**	**42854.**	**27092.**
Stddev	74.	454.	25.
%RSD	.32107	1.0597	.09154
#1	23057.	43082.	27064.
#2	23108.	43148.	27110.
#3	23203.	42331.	27104.

Sample Name: 2RL Acquired: 8/2/2011 12:46:51 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.06**	**201.7**	**196.5**	**17.22**	**201.1**	**6.045**	**1011.**	**6.165**	**40.31**	**10.44**	**21.68**
Stddev	.17	2.3	3.3	.81	1.5	.249	11.	.127	.16	.45	.46
%RSD	1.643	1.127	1.676	4.716	.7271	4.110	1.099	2.061	.3907	4.317	2.138
#1	10.21	203.9	198.5	16.34	202.8	6.276	1024.	6.228	40.22	10.46	21.65
#2	10.09	201.8	198.3	17.94	200.0	6.076	1005.	6.019	40.49	10.88	21.24
#3	9.880	199.4	192.7	17.37	200.7	5.782	1005.	6.248	40.22	9.978	22.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**98.25**	**96.56**	**986.6**	**1002.**	**10.73**	**1994.**	**39.33**	**16.45**	**37.81**	**36.72**	**41.18**
Stddev	.33	1.99	23.2	27.	.10	10.	.15	1.32	1.03	.08	1.37
%RSD	.3364	2.058	2.348	2.656	.9428	.5067	.3758	8.007	2.716	.2243	3.328
#1	98.47	94.28	1008.	1033.	10.62	1996.	39.25	15.61	36.90	36.64	40.45
#2	97.87	97.87	989.5	986.2	10.76	2003.	39.24	17.97	38.92	36.71	42.76
#3	98.41	97.54	962.2	988.0	10.81	1983.	39.50	15.77	37.59	36.80	40.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39.69**	**43.95**	**20.42**	**20.54**	**21.34**	**1010.**	**1014.**	**20.61**	**20.41**
Stddev	.28	.20	.47	.17	1.01	6.	6.	.80	1.32
%RSD	.7170	.4464	2.322	.8472	4.747	.6084	.5968	3.875	6.448
#1	40.00	44.16	19.92	20.58	21.67	1017.	1014.	20.27	18.92
#2	39.63	43.93	20.49	20.68	22.14	1006.	1008.	21.52	21.42
#3	39.44	43.77	20.86	20.35	20.20	1008.	1021.	20.04	20.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23646.**	**44148.**	**27196.**
Stddev	122.	243.	342.
%RSD	.51424	.54974	1.2565
#1	23527.	44002.	26939.
#2	23770.	44428.	27066.
#3	23641.	44013.	27584.

Sample Name: IOS Acquired: 8/2/2011 12:51:15 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9682**	**255600.**	**297100.**	**-5.223**	**.1299**	**.3960**	**297200.**	**.5424**	**-.8097**	**-.8016**	**4.109**
Stddev	.5151	952.	2305.	3.169	.2842	.1187	6856.	.2600	.2434	.3423	.237
%RSD	53.21	.3723	.7760	60.68	218.9	29.98	2.307	47.92	30.06	42.70	5.778
#1	-.3805	256400.	298700.	-6.118	-.1929	.4776	302100.	.5173	-1.056	-.6761	4.062
#2	-1.342	254500.	294400.	-1.702	.2398	.4507	289400.	.2960	-.8035	-.5398	3.898
#3	-1.182	255800.	298100.	-7.848	.3427	.2598	300200.	.8141	-.5694	-1.189	4.366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**295600.**	**-20.77**	**297200.**	**.3004**	**302200.**	**.4737**	**-1.430**	**.8144**	**-1.120**	**1.044**
Stddev	-----	2442.	30.00	778.	.0510	3155.	.2836	3.895	4.366	5.565	1.764
%RSD	-----	.8260	144.4	.2618	16.98	1.044	59.87	272.5	536.1	497.0	168.9
#1	^ -----	293300.	-55.37	297400.	.3432	305700.	.3861	-5.171	1.134	-7.212	-.7313
#2	^ -----	298100.	-4.892	296400.	.2440	299800.	.7907	-1.722	5.012	.1590	2.796
#3	^ -----	295500.	-2.050	297900.	.3140	301000.	.2442	2.604	-3.703	3.694	1.068
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3983**	**3.617**	**-2.154**	**2.009**	**.8786**	**9.818**	**28.32**	**1.605**	**1.247**
Stddev	.6615	.214	.772	.229	2.266	6.116	12.15	.331	.283
%RSD	166.1	5.921	35.84	11.40	257.9	62.29	42.91	20.63	22.66
#1	.2927	3.720	-1.520	2.167	.9658	10.41	20.01	1.983	.9671
#2	-.4619	3.760	-3.014	1.746	3.100	3.429	22.68	1.367	1.532
#3	-1.026	3.370	-1.929	2.113	-1.430	15.62	42.27	1.465	1.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**20940.**	**40157.**	**27051.**
Stddev	81.	357.	167.
%RSD	.38913	.88917	.61570
#1	20860.	40164.	27026.
#2	20937.	40511.	27229.
#3	21023.	39797.	26899.

Sample Name: CCV Acquired: 8/2/2011 13:43:38 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.7**	**4891.**	**4938.**	**188.6**	**197.5**	**193.3**	**5170.**	**197.5**	**192.3**	**212.2**	**204.3**
Stddev	2.4	67.	24.	1.8	1.2	.7	22.	.3	.5	2.7	2.8
%RSD	1.209	1.377	.4793	.9359	.5832	.3531	.4199	.1305	.2383	1.295	1.349
#1	201.2	4961.	4956.	190.7	198.6	193.4	5194.	197.8	192.7	214.9	207.3
#2	198.5	4887.	4911.	187.8	196.3	192.5	5152.	197.2	191.8	212.2	203.7
#3	196.4	4826.	4947.	187.5	197.5	193.9	5164.	197.5	192.4	209.4	201.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5274.**	**5160.**	**5074.**	**5217.**	**214.0**	**5088.**	**197.2**	**199.1**	**189.2**	**193.2**	**197.8**
Stddev	53.	14.	12.	17.	1.3	20.	.3	.8	3.4	3.9	1.0
%RSD	1.004	.2798	.2397	.3255	.5988	.3990	.1403	.4236	1.796	2.032	.5152
#1	5332.	5162.	5088.	5237.	215.5	5098.	197.5	200.1	192.7	193.8	196.8
#2	5264.	5145.	5067.	5208.	213.6	5064.	197.0	198.7	189.0	196.8	198.8
#3	5228.	5173.	5067.	5206.	213.0	5101.	197.2	198.6	185.9	189.0	197.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.0**	**205.6**	**195.2**	**200.3**	**194.4**	**5073.**	**5062.**	**210.6**	**201.4**
Stddev	2.5	.7	.5	1.1	1.3	82.	14.	1.1	1.5
%RSD	1.242	.3596	.2698	.5559	.6672	1.613	.2764	.5126	.7613
#1	202.4	205.9	195.7	201.5	195.3	5159.	5076.	211.7	202.5
#2	200.2	204.7	194.7	200.1	192.9	5062.	5048.	210.7	199.6
#3	197.4	206.0	195.2	199.3	194.8	4997.	5061.	209.5	202.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24840.**	**44269.**	**25779.**
Stddev	124.	685.	191.
%RSD	.50034	1.5472	.74051
#1	24797.	43664.	25925.
#2	24980.	44130.	25563.
#3	24743.	45012.	25848.

Sample Name: CCB Acquired: 8/2/2011 13:47:52 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0398	-.7970	3.776	-.8717	.2656	-.0230	-2.578	.1613	-.1568	-.4083	.4924
Stddev	.6153	1.104	8.713	2.484	.2176	.1030	1.975	.0628	.0380	.4918	.2484
%RSD	1547.	138.5	230.7	285.0	81.95	448.4	76.61	38.90	24.26	120.4	50.45
#1	.4973	.1444	13.83	-.8742	.0164	-.1416	-4.825	.2016	-.2006	-.6464	.6325
#2	.0945	-.5234	-1.020	-3.355	.3616	.0301	-1.797	.1933	-.1313	-.7358	.6392
#3	-.7112	-2.012	-1.484	1.614	.4186	.0427	-1.113	.0890	-.1387	.1571	.2056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.541	4.369	-35.91	-1.495	.0059	-13.57	-.2467	.8861	-1.768	-1.391	.6458
Stddev	1.385	4.242	8.66	9.490	.0157	11.47	.1277	.6783	3.563	2.118	.5157
%RSD	39.11	97.11	24.12	634.8	266.2	84.55	51.79	76.55	201.5	152.3	79.86
#1	5.042	4.640	-37.28	7.943	-.0027	-2.069	-.2508	.5740	-2.782	-2.471	1.153
#2	3.269	8.469	-26.65	-1.391	-.0036	-13.63	-.1169	.4200	-4.715	-2.751	.6614
#3	2.312	-.0030	-43.81	-11.04	.0241	-25.02	-.3723	1.664	2.192	1.050	.1224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4298	.1170	-.0974	-.0846	-2.083	.6200	9.144	.1411	-.6590
Stddev	.2655	.1635	.1101	.1397	.920	1.668	6.124	.4099	.3666
%RSD	61.77	139.7	113.0	165.3	44.15	269.0	66.98	290.5	55.63
#1	-.1553	.1076	-.2188	-.1979	-2.625	2.538	3.670	.4032	-.2361
#2	-.4487	.2850	-.0039	-.1274	-2.604	-.4868	8.002	.3514	-.8863
#3	-.6853	-.0416	-.0696	.0716	-1.021	-.1912	15.76	-.3313	-.8546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24024.	43620.	26330.
Stddev	58.	262.	395.
%RSD	.24319	.60100	1.5010
#1	24007.	43906.	26772.
#2	24088.	43562.	26209.
#3	23975.	43391.	26009.

Sample Name: PBW-2 B19P02A Acquired: 8/2/2011 14:28:41 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4828	2.066	-.6857	.1215	.2677	.0288	-4.826	.0162	.0332	-.1047	.1507
Stddev	.1213	1.758	21.70	3.758	.2934	.1956	.707	.0403	.1361	.3342	.2900
%RSD	25.12	85.11	3164.	3093.	109.6	679.3	14.66	249.0	409.8	319.4	192.5
#1	-.4861	3.757	-24.59	-2.603	-.0655	-.1336	-4.272	.0620	-.1079	.0866	-.1401
#2	-.6024	2.192	17.75	-1.442	.3812	-.0259	-5.623	-.0136	.1637	.0900	.4399
#3	-.3599	.2477	4.785	4.409	.4874	.2459	-4.584	.0001	.0438	-.4906	.1522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.699	2.098	-47.07	-9.734	-.1017	-39.23	-.3603	-.8981	-1.732	-3.470	-1.001
Stddev	1.482	.831	25.44	17.85	.0459	5.63	.2334	2.185	1.939	1.358	.336
%RSD	87.25	39.63	54.05	183.4	45.18	14.34	64.79	243.3	112.0	39.13	33.52
#1	3.062	1.138	-22.74	1.173	-.0501	-42.08	-.6120	-3.322	-2.975	-2.732	-.6570
#2	1.913	2.563	-73.49	-.0447	-.1381	-32.75	-.1510	.9215	.5026	-5.037	-1.018
#3	.1212	2.592	-44.96	-30.33	-.1169	-42.85	-.3177	-.2937	-2.723	-2.641	-1.327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2113	-.4338	-.3859	-.2729	-2.443	-3.545	7.373	-.0384	-.1107
Stddev	.3406	.1415	.4783	.1457	.814	1.736	9.387	.6250	.6247
%RSD	161.2	32.62	124.0	53.39	33.30	48.97	127.3	1626.	564.3
#1	.0191	-.3413	-.0770	-.4289	-3.074	-1.673	.3035	-.1329	.4110
#2	-.0504	-.5967	-.9368	-.2493	-2.730	-5.103	18.02	-.6108	.0598
#3	-.6025	-.3635	-.1438	-.1404	-1.525	-3.860	3.792	.6284	-.8029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24670.	44085.	25943.
Stddev	116.	378.	409.
%RSD	.47079	.85797	1.5783
#1	24693.	43649.	26402.
#2	24773.	44329.	25615.
#3	24544.	44276.	25811.

Sample Name: LCSW-3 B19P02A Acquired: 8/2/2011 14:33:07 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**215.6**	**4983.**	**4977.**	**202.1**	**210.1**	**206.5**	**5259.**	**204.9**	**205.6**	**224.1**	**205.6**
Stddev	2.4	32.	15.	1.8	1.4	.7	36.	.5	1.0	.4	2.0
%RSD	1.105	.6407	.3092	.8897	.6495	.3184	.6816	.2340	.4864	.1673	.9889
#1	213.1	4948.	4978.	202.4	210.8	207.2	5273.	205.0	205.8	224.3	203.4
#2	215.8	4988.	4962.	203.8	208.5	205.9	5218.	205.4	206.5	224.4	206.0
#3	217.8	5012.	4993.	200.2	211.0	206.5	5285.	204.4	204.5	223.7	207.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5375.**	**5154.**	**5129.**	**5347.**	**227.4**	**5197.**	**210.5**	**205.4**	**203.1**	**197.7**	**209.3**
Stddev	13.	16.	33.	36.	.9	35.	1.6	2.1	2.9	1.8	2.3
%RSD	.2404	.3055	.6417	.6804	.4043	.6736	.7717	1.001	1.435	.9151	1.109
#1	5378.	5157.	5137.	5309.	228.4	5212.	210.9	205.4	201.0	195.8	208.5
#2	5387.	5137.	5093.	5382.	227.3	5157.	211.9	203.4	206.4	199.4	211.9
#3	5361.	5168.	5157.	5349.	226.5	5221.	208.7	207.5	202.0	197.8	207.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**216.4**	**219.2**	**204.9**	**214.3**	**195.8**	**5415.**	**5312.**	**220.8**	**209.4**
Stddev	1.7	1.8	.6	.7	2.4	23.	49.	1.4	1.4
%RSD	.7966	.8075	.3073	.3164	1.202	.4217	.9168	.6120	.6917
#1	214.6	220.4	204.9	213.6	193.3	5392.	5341.	222.0	210.2
#2	217.9	220.1	205.5	214.6	196.2	5417.	5256.	221.0	210.3
#3	216.8	217.2	204.3	214.9	197.9	5437.	5340.	219.3	207.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25363.**	**44130.**	**24984.**
Stddev	247.	53.	431.
%RSD	.97326	.12055	1.7259
#1	25646.	44155.	25310.
#2	25252.	44166.	25146.
#3	25191.	44069.	24495.

Sample Name: CCV Acquired: 8/2/2011 14:37:22 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.4**	**4911.**	**4962.**	**192.7**	**198.8**	**193.1**	**5183.**	**197.3**	**191.8**	**216.2**	**203.8**
Stddev	1.0	33.	9.	.7	.7	1.3	37.	.3	.5	.1	1.3
%RSD	.4796	.6658	.1896	.3435	.3540	.6646	.7156	.1601	.2598	.0673	.6594
#1	202.1	4948.	4954.	193.0	198.7	192.7	5166.	197.4	192.2	216.1	205.2
#2	201.8	4895.	4960.	193.1	198.1	192.0	5158.	197.6	191.2	216.4	202.6
#3	200.3	4889.	4973.	191.9	199.5	194.5	5226.	197.0	192.0	216.2	203.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5317.**	**5158.**	**5118.**	**5235.**	**217.8**	**5102.**	**197.9**	**198.0**	**189.0**	**189.7**	**198.7**
Stddev	15.	42.	39.	64.	1.7	29.	.3	1.5	1.7	4.0	.8
%RSD	.2766	.8215	.7525	1.215	.7826	.5717	.1335	.7689	.9011	2.086	.4242
#1	5314.	5127.	5121.	5162.	215.9	5096.	198.0	199.8	188.2	193.2	198.0
#2	5304.	5142.	5078.	5265.	219.0	5076.	197.6	197.4	190.9	185.4	199.6
#3	5333.	5207.	5155.	5278.	218.7	5134.	198.1	196.9	187.8	190.5	198.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.6**	**206.1**	**196.3**	**202.4**	**193.1**	**5105.**	**5050.**	**213.4**	**203.0**
Stddev	.7	.1	.5	.3	.4	36.	26.	.6	.7
%RSD	.3595	.0465	.2307	.1579	.2085	.7121	.5065	.2985	.3276
#1	204.1	206.0	196.7	202.3	192.7	5145.	5033.	212.7	203.5
#2	202.8	206.2	196.4	202.1	193.5	5074.	5037.	214.0	203.2
#3	203.9	206.2	195.8	202.7	193.1	5097.	5079.	213.4	202.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25621.**	**44716.**	**26162.**
Stddev	33.	420.	308.
%RSD	.12861	.93939	1.1768
#1	25584.	44537.	26517.
#2	25648.	45195.	25981.
#3	25631.	44414.	25986.

Sample Name: CCB Acquired: 8/2/2011 14:41:35 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1727	-2.367	-11.31	-1.713	.4054	.0258	-5.151	-.1070	-.0159	-.0594	.2527
Stddev	.3015	.708	2.61	3.184	.0554	.1368	3.648	.0858	.0842	.5596	.2709
%RSD	174.6	29.89	23.04	185.8	13.67	529.6	70.82	80.23	531.0	942.1	107.2
#1	.1674	-2.470	-9.183	1.011	.3724	-.1252	-8.975	-.2036	-.0585	.3598	.1057
#2	-.2782	-1.613	-10.52	-.9379	.3745	.0613	-1.711	-.0777	-.0702	.1569	.5653
#3	-.4072	-3.017	-14.21	-5.213	.4694	.1414	-4.766	-.0396	.0811	-.6949	.0870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.997	-2.531	-50.99	-9.602	-.0765	-31.37	-.1560	.9768	-3.329	-4.784	.5694
Stddev	.062	1.865	71.23	9.417	.0507	7.52	.1233	1.615	1.421	2.747	.8854
%RSD	3.105	73.69	139.7	98.06	66.25	23.99	79.00	165.3	42.70	57.41	155.5
#1	-2.037	-3.555	-44.88	-20.47	-.1320	-23.52	-.1434	-.2959	-2.571	-2.332	1.349
#2	-2.028	-.3782	16.99	-4.433	-.0646	-38.52	-.0396	.4331	-4.969	-7.752	.7518
#3	-1.925	-3.659	-125.1	-3.903	-.0328	-32.08	-.2851	2.793	-2.448	-4.270	-.3929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4970	.1960	-.0695	-.0912	-2.287	-3.455	1.922	-.6342	-.3904
Stddev	.4107	.1205	.2320	.0651	1.070	1.277	8.176	.1056	.3680
%RSD	82.65	61.51	334.0	71.30	46.80	36.97	425.5	16.66	94.28
#1	-.5641	.2317	-.1459	-.0161	-1.795	-2.290	-7.189	-.5647	-.0646
#2	-.8700	.0616	.1912	-.1277	-1.551	-3.253	8.620	-.5821	-.3170
#3	-.0568	.2946	-.2536	-.1299	-3.514	-4.821	4.334	-.7557	-.7896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24950.	44607.	26071.
Stddev	83.	452.	214.
%RSD	.33248	1.0122	.81904
#1	25037.	44669.	26218.
#2	24942.	45024.	26168.
#3	24872.	44127.	25826.

Sample Name: LCSW-4 B19P02A Acquired: 8/2/2011 14:46:00 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**212.1**	**4867.**	**4953.**	**204.8**	**210.9**	**208.0**	**5247.**	**205.6**	**205.5**	**222.1**	**203.6**
Stddev	.7	44.	69.	1.4	3.5	3.0	95.	1.0	.4	.4	1.3
%RSD	.3481	.8966	1.399	.6777	1.637	1.423	1.816	.4896	.1936	.1739	.6384
#1	211.6	4859.	4901.	203.4	208.2	205.9	5163.	206.7	206.0	221.7	203.2
#2	213.0	4914.	4927.	204.9	209.8	206.6	5226.	204.9	205.2	222.0	205.1
#3	211.8	4828.	5032.	206.1	214.8	211.4	5351.	205.2	205.4	222.5	202.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5293.**	**5171.**	**5111.**	**5297.**	**224.8**	**5153.**	**208.6**	**209.3**	**199.7**	**199.8**	**207.9**
Stddev	14.	74.	34.	99.	.1	79.	.4	3.4	5.4	4.5	.8
%RSD	.2638	1.439	.6724	1.860	.0438	1.541	.1944	1.628	2.698	2.268	.3611
#1	5279.	5119.	5116.	5221.	224.7	5098.	208.9	213.2	193.8	204.9	207.1
#2	5307.	5137.	5074.	5263.	224.8	5116.	208.2	207.4	204.4	196.6	208.6
#3	5293.	5256.	5142.	5409.	224.9	5244.	208.8	207.2	200.8	197.7	207.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**214.1**	**218.5**	**202.9**	**212.7**	**196.7**	**5284.**	**5280.**	**218.9**	**207.9**
Stddev	.7	.8	.4	.8	2.8	39.	87.	1.6	.7
%RSD	.3168	.3746	.2098	.3788	1.437	.7363	1.642	.7150	.3468
#1	213.5	219.4	202.5	212.7	199.9	5262.	5207.	217.6	207.2
#2	214.8	217.9	203.3	213.5	195.0	5329.	5256.	220.6	208.0
#3	214.1	218.0	203.0	211.9	195.1	5262.	5376.	218.4	208.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25729.	44840.	25914.
Stddev	157.	269.	541.
%RSD	.60986	.59890	2.0863
#1	25570.	45097.	26360.
#2	25884.	44561.	26069.
#3	25731.	44862.	25313.

Sample Name: CCV Acquired: 8/2/2011 15:29:39 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.3**	**4954.**	**4935.**	**188.3**	**196.7**	**193.1**	**5169.**	**196.2**	**191.9**	**215.8**	**203.7**
Stddev	2.1	29.	13.	1.9	1.5	1.1	36.	.5	.3	1.4	1.2
%RSD	1.055	.5907	.2615	.9976	.7633	.5564	.7061	.2682	.1413	.6543	.5915
#1	203.7	4980.	4943.	190.5	197.8	194.4	5175.	195.6	191.7	217.2	204.1
#2	200.6	4961.	4942.	187.1	197.3	192.6	5201.	196.3	192.2	215.9	204.7
#3	199.6	4922.	4920.	187.4	195.0	192.4	5129.	196.7	191.8	214.4	202.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5315.**	**5121.**	**5069.**	**5256.**	**217.2**	**5155.**	**198.0**	**196.0**	**191.7**	**190.6**	**198.4**
Stddev	4.	17.	38.	14.	1.7	32.	.4	2.3	.6	1.3	1.5
%RSD	.0692	.3382	.7407	.2633	.7691	.6167	.2222	1.180	.2945	.7002	.7551
#1	5311.	5126.	5102.	5241.	219.1	5176.	198.4	196.2	192.3	189.1	200.0
#2	5317.	5134.	5028.	5269.	216.6	5170.	198.2	193.5	191.3	191.1	197.1
#3	5318.	5101.	5077.	5259.	215.9	5118.	197.5	198.1	191.4	191.6	197.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.7**	**206.6**	**195.9**	**201.9**	**190.8**	**5110.**	**5048.**	**212.3**	**203.0**
Stddev	1.0	.5	.5	.4	.5	23.	39.	1.6	.5
%RSD	.4962	.2549	.2366	.2223	.2541	.4518	.7634	.7383	.2372
#1	204.7	206.3	196.3	202.3	190.3	5134.	5037.	214.0	202.5
#2	203.7	206.3	196.0	202.0	190.7	5107.	5091.	212.0	203.3
#3	202.7	207.2	195.4	201.4	191.3	5088.	5016.	210.9	203.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24555.**	**42981.**	**24772.**
Stddev	73.	267.	130.
%RSD	.29532	.62007	.52614
#1	24560.	42765.	24797.
#2	24624.	42899.	24632.
#3	24480.	43278.	24889.

Sample Name: CCB Acquired: 8/2/2011 15:33:53 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2276	-1.047	4.047	-1.701	.5920	-.0038	-1.479	.1179	-.0853	.3567	.0217
Stddev	.1645	.120	8.457	.474	.2375	.0809	1.724	.0138	.0739	.5356	.6305
%RSD	72.29	11.43	209.0	27.85	40.13	2111.	116.5	11.69	86.68	150.2	2901.
#1	-.1372	-1.165	-5.344	-2.246	.8343	.0744	.5107	.1329	-.1627	-.2610	.5289
#2	-.1281	-1.052	11.06	-1.387	.5819	.0012	-2.454	.1151	-.0775	.6929	-.6842
#3	-.4175	-.9254	6.423	-1.470	.3596	-.0871	-2.495	.1057	-.0155	.6381	.2205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.014	2.282	-32.06	-5.217	-.0208	11.78	-.6943	-.0574	-2.916	-2.601	.8402
Stddev	.540	1.209	20.82	14.46	.0274	9.25	.4145	2.157	4.821	3.292	.9248
%RSD	26.83	52.98	64.94	277.3	131.7	78.48	59.70	3757.	165.3	126.6	110.1
#1	-1.720	2.061	-8.020	-9.407	.0013	18.92	-1.095	-1.868	-1.077	-1.347	.5364
#2	-1.684	1.199	-44.14	-17.12	-.0123	15.10	-.7207	-.6341	.7136	-.1194	.1056
#3	-2.637	3.586	-44.03	10.88	-.0515	1.335	-.2673	2.330	-8.386	-6.336	1.879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2946	.0371	-.2731	-.2517	-2.431	-3.124	1.600	.1872	-1.081
Stddev	.2991	.1361	.1744	.2095	.458	.430	14.61	.5261	.864
%RSD	101.6	366.4	63.86	83.24	18.83	13.76	912.8	281.1	79.90
#1	-.3389	.0739	-.0813	-.0115	-1.909	-2.647	-14.15	.7908	-.9363
#2	.0243	-.1135	-.4222	-.3471	-2.764	-3.245	4.258	-.0554	-.2990
#3	-.5690	.1511	-.3160	-.3965	-2.620	-3.480	14.70	-.1739	-2.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23568.	41156.	24623.
Stddev	156.	212.	266.
%RSD	.66312	.51595	1.0793
#1	23726.	41323.	24478.
#2	23564.	41227.	24930.
#3	23414.	40917.	24461.

Sample Name: AN03435 Acquired: 8/2/2011 16:17:50 Type: Unk
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT W. LEAD (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2512**	**3.337**	**8.891**	**-5.036**	**.3857**	**.1302**	**56.27**	**.0257**	**-.3477**	**-.2080**	**.3880**
Stddev	.0976	.446	9.502	2.716	.1392	.1114	1.25	.0935	.2255	.4758	.3511
%RSD	38.85	13.36	106.9	53.93	36.10	85.53	2.218	364.3	64.86	228.8	90.49
#1	-.3564	3.810	9.568	-7.127	.5407	.0755	56.08	-.0566	-.6001	-.4795	.4889
#2	-.1636	2.924	18.04	-6.015	.2713	.0568	57.60	.0062	-.2765	-.4859	.6775
#3	-.2336	3.277	-.9316	-1.967	.3451	.2584	55.12	.1274	-.1663	.3414	-.0025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6735**	**1.878**	**-19.98**	**-4.761**	**.0348**	**170.2**	**-.2505**	**-.1052**	**-3.585**	**-1.234**	**-.1114**
Stddev	.1312	1.123	47.89	4.823	.0293	10.1	.4910	1.846	1.334	3.167	.6898
%RSD	19.48	59.82	239.8	101.3	84.14	5.951	196.0	1754.	37.20	256.6	619.3
#1	.6526	1.930	29.57	-6.216	.0062	181.7	.0190	-1.943	-5.063	1.547	.5519
#2	.5539	2.974	-23.46	-8.689	.0335	166.4	-.8173	-.1227	-2.470	-4.681	-.8249
#3	.8139	.7289	-66.03	.6213	.0647	162.5	.0466	1.750	-3.224	-.5682	-.0612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1899**	**1.653**	**-.2107**	**-.0768**	**-2.402**	**115.4**	**118.9**	**.8010**	**-.4851**
Stddev	.0781	.234	.2205	.0790	.510	2.0	9.0	.1471	.3033
%RSD	41.14	14.13	104.7	102.8	21.22	1.712	7.541	18.37	62.52
#1	-.2011	1.835	-.0329	-.0578	-2.808	116.4	121.4	.9566	-.7968
#2	-.2618	1.735	-.4574	-.0091	-1.830	116.7	126.3	.6642	-.4677
#3	-.1068	1.390	-.1416	-.1636	-2.568	113.1	108.9	.7823	-.1909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23552.	43091.	25826.
Stddev	71.	325.	158.
%RSD	.30145	.75522	.61345
#1	23513.	43327.	25774.
#2	23634.	43227.	25701.
#3	23510.	42720.	26004.

Sample Name: CCV Acquired: 8/2/2011 16:22:16 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**202.6**	**4982.**	**5012.**	**189.7**	**200.1**	**194.4**	**5208.**	**195.4**	**191.1**	**216.9**	**204.2**
Stddev	1.3	26.	44.	3.2	.8	.4	19.	1.2	.2	1.3	1.1
%RSD	.6359	.5236	.8690	1.686	.4085	.2264	.3661	.6065	.1147	.5988	.5211
#1	202.3	5003.	5014.	190.4	200.7	194.7	5225.	196.0	191.2	216.8	205.0
#2	204.0	4989.	5055.	192.4	200.5	194.7	5211.	196.1	191.3	218.2	204.6
#3	201.5	4953.	4968.	186.2	199.2	193.9	5187.	194.0	190.9	215.6	203.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5300.**	**5138.**	**5121.**	**5256.**	**218.4**	**5181.**	**198.5**	**198.2**	**192.7**	**189.6**	**201.5**
Stddev	21.	27.	23.	17.	.8	16.	.7	1.6	2.0	2.4	1.4
%RSD	.4031	.5160	.4479	.3139	.3616	.3145	.3527	.7893	1.015	1.242	.6915
#1	5310.	5164.	5127.	5259.	218.2	5163.	197.8	197.3	194.6	189.5	203.1
#2	5315.	5140.	5140.	5238.	219.2	5189.	198.6	200.0	190.7	192.0	200.7
#3	5276.	5111.	5095.	5270.	217.7	5192.	199.2	197.2	192.6	187.3	200.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**204.1**	**205.3**	**196.7**	**202.6**	**190.9**	**5112.**	**5079.**	**213.8**	**203.3**
Stddev	.3	.0	.7	.9	.9	28.	33.	.6	1.0
%RSD	.1445	.0208	.3719	.4673	.4597	.5398	.6474	.2802	.4942
#1	204.3	205.3	197.4	202.6	191.6	5142.	5093.	214.3	204.3
#2	204.3	205.2	196.0	203.5	191.2	5105.	5104.	214.0	203.2
#3	203.8	205.3	196.6	201.6	189.9	5089.	5042.	213.1	202.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23941.**	**41796.**	**24233.**
Stddev	197.	191.	76.
%RSD	.82215	.45596	.31233
#1	23819.	41991.	24319.
#2	23837.	41611.	24203.
#3	24168.	41785.	24176.

Sample Name: CCB Acquired: 8/2/2011 16:26:30 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2441	-1.478	-2.776	-1.351	.5874	.0868	-2.769	.0476	.0695	-.4415	-.0512
Stddev	.3124	.695	11.81	3.225	.4221	.1361	.857	.0637	.2411	.1792	.4552
%RSD	128.0	47.00	425.6	238.7	71.85	156.8	30.94	133.9	346.8	40.59	888.9
#1	.0356	-2.013	-.2817	2.328	.6872	.2238	-2.464	.1075	-.1542	-.3515	-.3410
#2	-.5812	-.6930	-15.64	-2.695	.1244	.0850	-3.737	-.0194	.0379	-.6478	.4735
#3	-.1866	-1.727	7.591	-3.687	.9507	-.0484	-2.108	.0547	.3249	-.3251	-.2861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.582	-1.477	-83.87	5.115	-.0607	-5.076	-.5762	-1.554	-4.532	-4.103	-.6343
Stddev	.192	1.485	30.92	25.06	.0481	11.88	.2199	1.698	4.419	1.129	.8753
%RSD	12.15	100.6	36.87	489.9	79.19	234.0	38.16	109.2	97.49	27.52	138.0
#1	-1.804	-2.861	-106.5	30.36	-.0251	-5.545	-.3239	-3.135	-7.364	-3.983	.3762
#2	-1.460	-1.661	-48.63	4.734	-.1154	-16.71	-.6779	.2402	.5589	-5.288	-1.127
#3	-1.484	.0925	-96.47	-19.75	-.0417	7.028	-.7269	-1.767	-6.792	-3.039	-1.152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1855	.1363	-.1991	-.6082	-2.431	-2.757	-5.433	-.3460	-1.083
Stddev	.0603	.0689	.2796	.0974	1.113	.864	3.374	.5703	.539
%RSD	32.52	50.53	140.5	16.01	45.77	31.35	62.11	164.8	49.75
#1	-.1909	.1710	-.0240	-.6208	-1.174	-1.776	-9.191	.2051	-.5679
#2	-.1226	.0570	-.0516	-.6987	-3.289	-3.408	-4.446	-.9337	-1.643
#3	-.2429	.1808	-.5216	-.5052	-2.831	-3.085	-2.662	-.3094	-1.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23552.	40476.	24085.
Stddev	70.	1057.	23.
%RSD	.29900	2.6104	.09667
#1	23471.	41206.	24084.
#2	23595.	40958.	24109.
#3	23590.	39264.	24063.

Sample Name: AN03435 MS Acquired: 8/2/2011 16:30:56 Type: Unk
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT W. LEAD (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**184.5**	**4933.**	**4892.**	**173.1**	**180.8**	**178.1**	**5009.**	**175.7**	**176.2**	**191.3**	**178.1**
Stddev	.4	10.	47.	3.3	1.0	.2	45.	.3	.6	.4	.5
%RSD	.2375	.2006	.9520	1.897	.5618	.1385	.8918	.1582	.3413	.1975	.2749
#1	184.3	4938.	4859.	171.5	180.5	177.8	4979.	175.6	175.6	191.4	177.9
#2	184.2	4921.	4946.	176.9	181.9	178.1	5061.	175.4	176.2	191.5	177.9
#3	185.0	4939.	4872.	171.0	179.9	178.3	4989.	176.0	176.8	190.8	178.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5025.**	**4852.**	**4843.**	**5015.**	**193.3**	**5077.**	**179.1**	**177.7**	**171.5**	**170.7**	**179.6**
Stddev	15.	19.	33.	23.	.7	13.	.9	1.4	4.2	.8	.8
%RSD	.2930	.3987	.6760	.4624	.3797	.2508	.4963	.8128	2.428	.4772	.4204
#1	5011.	4834.	4829.	5018.	194.0	5067.	178.1	178.3	172.0	171.0	179.5
#2	5024.	4873.	4880.	5037.	192.5	5092.	179.4	178.7	175.3	169.7	180.5
#3	5040.	4849.	4820.	4991.	193.3	5073.	179.8	176.0	167.0	171.2	179.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**185.1**	**188.3**	**175.8**	**183.8**	**167.7**	**5602.**	**5529.**	**187.6**	**180.2**
Stddev	.7	.3	.4	.5	1.3	42.	79.	.4	.9
%RSD	.3960	.1608	.2383	.2763	.7731	.7509	1.433	.2025	.5021
#1	184.3	188.3	176.1	183.5	166.4	5554.	5476.	187.4	179.3
#2	185.4	188.6	175.3	183.4	167.7	5618.	5620.	188.1	181.1
#3	185.7	188.0	175.9	184.3	169.0	5634.	5491.	187.4	180.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23990.**	**41824.**	**24209.**
Stddev	179.	192.	298.
%RSD	.74803	.45804	1.2323
#1	23798.	41664.	24153.
#2	24153.	42037.	23943.
#3	24019.	41772.	24532.

Sample Name: AN03435 SDL Acquired: 8/2/2011 16:35:13 Type: Unk
Method: PT_MET(v95) Mode: CONC Corr. Factor: 5.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT W. LEAD (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**176.6**	**4847.**	**4836.**	**175.1**	**182.5**	**176.6**	**4919.**	**172.7**	**172.5**	**186.8**	**175.1**
Stddev	1.4	17.	60.	15.6	.6	.7	60.	.6	1.3	.3	1.5
%RSD	.7972	.3596	1.242	8.893	.3401	.4120	1.227	.3448	.7751	.1843	.8607
#1	177.7	4828.	4813.	189.5	181.8	177.4	4850.	172.6	171.0	186.6	173.3
#2	177.1	4849.	4905.	177.1	183.0	176.0	4948.	173.3	172.8	186.6	176.1
#3	175.0	4863.	4792.	158.6	182.7	176.2	4959.	172.1	173.7	187.2	175.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4939.**	**4731.**	**4365.**	**4985.**	**189.8**	**4960.**	**172.8**	**177.4**	**152.2**	**179.6**	**182.1**
Stddev	16.	47.	193.	125.	.2	33.	4.0	7.1	15.5	10.1	8.1
%RSD	.3268	1.003	4.411	2.511	.1147	.6641	2.310	4.013	10.16	5.646	4.459
#1	4929.	4686.	4506.	4848.	190.0	4963.	176.6	177.8	135.6	175.1	191.4
#2	4958.	4725.	4444.	5012.	189.9	4991.	173.1	184.3	154.6	191.2	176.6
#3	4931.	4781.	4146.	5094.	189.6	4925.	168.6	170.0	166.2	172.5	178.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**180.6**	**184.1**	**172.4**	**179.2**	**151.0**	**5368.**	**5481.**	**185.2**	**171.2**
Stddev	1.8	1.3	.4	1.1	2.9	48.	30.	2.2	2.3
%RSD	1.021	.7047	.2383	.5962	1.906	.8979	.5425	1.181	1.348
#1	178.8	185.1	172.2	178.2	150.6	5325.	5510.	182.8	169.2
#2	180.6	184.6	172.2	179.2	154.0	5359.	5451.	187.1	173.7
#3	182.5	182.6	172.9	180.3	148.3	5420.	5483.	185.6	170.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23772.	41503.	23592.
Stddev	241.	201.	318.
%RSD	1.0120	.48415	1.3459
#1	23800.	41275.	23805.
#2	23519.	41651.	23228.
#3	23998.	41585.	23745.

Sample Name: CCV Acquired: 8/2/2011 16:39:35 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.6**	**4949.**	**5030.**	**191.2**	**199.7**	**193.6**	**5228.**	**196.9**	**192.1**	**217.9**	**203.7**
Stddev	1.3	39.	11.	4.5	.5	.8	23.	.1	.6	.2	1.0
%RSD	.6209	.7883	.2201	2.331	.2589	.3883	.4412	.0617	.3140	.0717	.5136
#1	203.0	4991.	5019.	196.3	200.2	194.5	5206.	196.8	192.7	217.7	204.9
#2	200.9	4915.	5029.	189.4	199.7	193.3	5225.	196.8	192.3	217.9	203.1
#3	200.8	4940.	5041.	187.9	199.2	193.1	5252.	197.0	191.5	218.0	203.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5334.**	**5140.**	**5132.**	**5315.**	**218.7**	**5164.**	**198.6**	**197.6**	**190.3**	**184.0**	**200.1**
Stddev	3.	21.	22.	12.	.9	16.	1.1	1.3	5.2	1.8	1.0
%RSD	.0654	.4072	.4232	.2165	.4033	.3170	.5315	.6548	2.712	.9546	.5033
#1	5337.	5128.	5116.	5302.	217.8	5163.	199.4	198.9	191.7	185.9	201.3
#2	5331.	5127.	5123.	5318.	219.5	5148.	198.8	196.4	194.7	183.7	199.9
#3	5335.	5164.	5157.	5325.	218.8	5181.	197.4	197.4	184.6	182.5	199.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**204.2**	**208.5**	**196.2**	**202.4**	**190.0**	**5093.**	**5113.**	**214.6**	**204.0**
Stddev	.9	.3	.6	.4	1.7	26.	34.	.5	.5
%RSD	.4395	.1537	.2896	.2025	.8896	.5068	.6594	.2148	.2570
#1	205.2	208.1	196.6	202.9	191.4	5122.	5086.	214.1	203.5
#2	203.5	208.7	196.3	202.2	188.2	5084.	5103.	214.8	204.5
#3	203.9	208.7	195.5	202.1	190.5	5073.	5151.	214.9	204.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24202.**	**41884.**	**23714.**
Stddev	123.	88.	176.
%RSD	.51003	.20916	.74270
#1	24164.	41904.	23905.
#2	24102.	41960.	23680.
#3	24340.	41788.	23558.

Sample Name: CCB Acquired: 8/2/2011 16:43:49 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2866**	**-.1389**	**-7.879**	**-3.184**	**.2571**	**-.1267**	**-2.610**	**.0054**	**-.0014**	**.2219**	**-.3020**
Stddev	.6240	.8964	26.51	3.065	.3370	.1172	1.850	.1071	.1641	.3310	.2870
%RSD	217.7	645.5	336.4	96.26	131.1	92.54	70.89	1984.	11910.	149.1	95.02
#1	-.9414	-.6803	22.62	-1.240	.6257	-.2300	-1.539	.0955	-.0525	.2844	-.3887
#2	.3010	.8958	-20.93	-6.717	-.0352	-.1508	-4.746	-.1131	-.1339	-.1358	-.5357
#3	-.2193	-.6321	-25.33	-1.595	.1808	.0007	-1.544	.0338	.1822	.5173	.0183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.275**	**1.643**	**-60.33**	**-13.77**	**-.0254**	**-18.21**	**-.6841**	**-.0399**	**-2.597**	**-4.500**	**1.020**
Stddev	.304	.380	25.56	1.97	.0103	3.84	.4482	.4169	2.390	1.414	.737
%RSD	23.82	23.12	42.36	14.29	40.59	21.08	65.52	1045.	92.03	31.41	72.26
#1	-.9551	1.391	-83.17	-14.82	-.0373	-19.61	-.1866	.0796	.1386	-2.871	1.400
#2	-1.310	2.080	-32.73	-11.50	-.0206	-13.87	-1.057	-.5035	-4.280	-5.398	.1704
#3	-1.559	1.458	-65.10	-14.98	-.0184	-21.15	-.8089	.3042	-3.650	-5.231	1.489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2319**	**-.0030**	**-.2568**	**-.2133**	**-2.268**	**-1.170**	**12.70**	**.3696**	**-1.046**
Stddev	.2860	.0427	.4369	.3217	.824	1.868	3.60	.1778	.246
%RSD	123.3	1423.	170.2	150.8	36.35	159.6	28.35	48.11	23.53
#1	-.5368	.0412	-.2062	-.3488	-1.580	-1.140	16.38	.3202	-1.114
#2	-.1890	-.0439	-.7168	-.4450	-2.041	.6820	12.55	.2217	-.7727
#3	.0303	-.0063	.1526	.1540	-3.182	-3.053	9.182	.5669	-1.250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24251.**	**42616.**	**25598.**
Stddev	45.	1482.	2034.
%RSD	.18628	3.4768	7.9456
#1	24199.	40920.	23267.
#2	24273.	43267.	27015.
#3	24281.	43661.	26511.

Sample Name: RL Acquired: 8/2/2011 16:48:15 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.370**	**108.8**	**118.0**	**8.751**	**102.0**	**3.026**	**508.1**	**3.026**	**20.21**	**5.352**	**11.04**
Stddev	.533	1.0	5.2	3.888	.2	.086	2.5	.028	.12	.222	.34
%RSD	9.921	.8909	4.407	44.43	.1991	2.837	.4960	.9272	.6142	4.142	3.123
#1	4.827	108.1	119.8	13.23	102.2	3.090	509.3	3.032	20.20	5.571	10.90
#2	5.392	108.4	122.0	6.230	102.1	3.059	509.7	2.995	20.34	5.128	11.43
#3	5.891	109.9	112.1	6.795	101.8	2.928	505.2	3.050	20.09	5.356	10.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.87**	**48.90**	**489.5**	**494.1**	**5.543**	**1011.**	**19.63**	**7.665**	**16.71**	**17.87**	**20.99**
Stddev	.97	.49	18.0	4.6	.032	17.	.26	1.670	3.85	.66	.84
%RSD	1.982	.9979	3.668	.9298	.5695	1.664	1.319	21.78	23.06	3.705	4.006
#1	48.70	49.33	508.8	499.1	5.579	1007.	19.67	7.651	12.31	17.95	21.17
#2	47.99	49.00	486.6	490.1	5.524	1030.	19.87	9.341	18.33	17.17	20.08
#3	49.91	48.37	473.2	493.0	5.525	997.0	19.35	6.002	19.48	18.49	21.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.71**	**22.60**	**10.11**	**10.48**	**8.076**	**526.8**	**515.6**	**11.22**	**9.355**
Stddev	.06	.16	.17	.13	1.534	1.4	7.9	.57	.196
%RSD	.2940	.7288	1.678	1.244	19.00	.2738	1.535	5.104	2.098
#1	20.72	22.73	10.04	10.53	9.212	525.2	521.2	11.23	9.335
#2	20.65	22.41	9.984	10.59	6.330	528.1	506.6	10.64	9.560
#3	20.77	22.64	10.30	10.34	8.685	527.2	519.0	11.78	9.169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24743.**	**44056.**	**26547.**
Stddev	267.	238.	195.
%RSD	1.0798	.54029	.73463
#1	24499.	44321.	26654.
#2	24702.	43985.	26665.
#3	25029.	43861.	26322.

Sample Name: 2RL Acquired: 8/2/2011 16:52:40 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.54**	**214.9**	**210.4**	**15.48**	**207.0**	**6.182**	**1028.**	**5.830**	**39.94**	**11.44**	**21.53**
Stddev	.29	2.1	7.3	.62	.5	.113	4.	.139	.14	.33	.92
%RSD	2.786	.9792	3.467	4.034	.2584	1.824	.3899	2.388	.3523	2.844	4.270
#1	10.83	215.5	208.3	14.85	206.4	6.296	1025.	5.707	39.96	11.73	22.47
#2	10.25	216.7	218.6	16.10	207.5	6.071	1032.	5.981	40.07	11.09	21.47
#3	10.54	212.6	204.4	15.51	207.2	6.179	1025.	5.802	39.79	11.51	20.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**101.2**	**94.46**	**997.0**	**1026.**	**11.41**	**2052.**	**40.12**	**15.33**	**34.63**	**38.51**	**40.45**
Stddev	.6	.16	27.1	4.	.13	13.	.27	.60	1.28	1.35	1.20
%RSD	.6248	.1669	2.718	.4148	1.113	.6565	.6845	3.929	3.709	3.507	2.974
#1	101.5	94.29	982.3	1021.	11.33	2050.	39.85	15.98	34.47	39.76	39.47
#2	101.6	94.51	1028.	1029.	11.56	2041.	40.40	14.79	33.43	38.70	40.10
#3	100.5	94.60	980.4	1027.	11.35	2067.	40.12	15.22	35.98	37.08	41.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42.72**	**44.80**	**20.93**	**21.35**	**17.15**	**1068.**	**1019.**	**22.95**	**19.96**
Stddev	.36	.37	.34	.17	1.00	5.	14.	.68	.42
%RSD	.8351	.8345	1.635	.7733	5.853	.4951	1.389	2.958	2.091
#1	42.32	44.70	21.32	21.18	17.46	1065.	1025.	22.18	19.57
#2	43.02	45.22	20.68	21.35	17.97	1074.	1029.	23.46	20.40
#3	42.80	44.49	20.79	21.51	16.03	1065.	1002.	23.21	19.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24953.**	**42988.**	**26389.**
Stddev	339.	343.	138.
%RSD	1.3583	.79756	.52207
#1	24568.	42791.	26356.
#2	25208.	42789.	26270.
#3	25081.	43384.	26540.

Sample Name: IOS Acquired: 8/2/2011 16:57:04 Type: QC
Method: PT_MET(v95) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6057	259000.	299200.	-1.257	.2217	.4672	294200.	-.5959	-.3759	-.9095	4.553
Stddev	.2887	4142.	1367.	1.964	.1067	.1631	3232.	.3597	.1037	.5284	.283
%RSD	47.66	1.599	.4569	156.2	48.13	34.90	1.098	60.36	27.58	58.11	6.216
#1	-.5392	254300.	298600.	-3.520	.0995	.6384	297400.	-.1807	-.4557	-.5437	4.247
#2	-.9218	262000.	298200.	-.2635	.2966	.3138	291000.	-.8117	-.4133	-.6693	4.606
#3	-.3560	260800.	300800.	.0108	.2689	.4493	294400.	-.7954	-.2587	-1.515	4.806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	294300.	-18.95	301000.	.3083	297000.	.8477	.4771	.2135	-5.137	.6956
Stddev	-----	2585.	15.69	57.	.0302	6352.	.1247	1.910	4.426	3.319	1.451
%RSD	-----	.8786	82.83	.0189	9.787	2.139	14.71	400.4	2074.	64.61	208.6
#1	^ -----	291400.	-36.49	301000.	.2755	304100.	.8150	.2891	4.855	-4.756	-.4450
#2	^ -----	295100.	-14.11	301000.	.3348	295400.	.9854	-1.332	-.2530	-2.024	.2030
#3	^ -----	296300.	-6.243	301100.	.3145	291700.	.7425	2.474	-3.961	-8.629	2.329
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4039	3.455	-1.903	2.021	-2.332	5.772	28.90	1.456	1.225
Stddev	.1654	.153	.547	.187	.750	3.860	1.59	.559	.857
%RSD	40.96	4.419	28.74	9.274	32.18	66.88	5.496	38.41	69.96
#1	-.3509	3.566	-1.425	2.060	-3.188	10.17	27.27	.9265	1.016
#2	-.5894	3.520	-1.786	1.817	-1.788	4.171	30.44	2.041	2.167
#3	-.2715	3.281	-2.500	2.185	-2.020	2.969	28.98	1.401	.4915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	22527.	40481.	26763.
Stddev	50.	248.	223.
%RSD	.22226	.61254	.83423
#1	22558.	40758.	26768.
#2	22470.	40403.	26983.
#3	22555.	40281.	26537.

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Lead Project No.: 11070033

Date(s) of Sample Analysis: 8/16/11 Date(s) of Sample Prep.: 8/12/11

Preparer(s): R. Recto Analyst(s): R. Recto

(Circle) Matrix: (Aqueous) Solid Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: Na and K)	YES	NO	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?	✓		
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		
II. DIGESTION BATCH QC: (for the elements of interest stated above)			
A. Prep Blank < Reporting Limit for all elements of interest?	✓		
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)	✓		
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?	✓		
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?			✓
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?			✓
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project			✓
G. For samples with results > Reporting Limit, was the % RSD < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)		✓	
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: R. Recto Date: 8/23/11

Peer Review: Donna Christine Miller Date: 10/10/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: JEWETT WHITE LEAD

Project # 11070033

Twenty nine (29) aqueous samples (AN03594 – 3622) were re-analyzed for Na and K metals by ICP-AES on 08/16/11.

Reported results:

20X dilution → Na, K → AN03594 to AN03619

1X → Na, K → AN03620, AN03621, AN03622

ICAP 6300 QC ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	16 Aug 2011			ug/L	16 Aug 2011	
		13:59:39				14:04:27	
Ag3280	200	192.5	96.3	PASS	5	-0.3892	PASS
Al3082A	5000	4721	94.4	PASS	100	-5.224	PASS
Al3082R	5000	4842	96.8	PASS	100	17.47	PASS
As1890	200	197.3	98.7	PASS	8	2.717	PASS
Ba4554R	200	198.8	99.4	PASS	100	0.5568	PASS
Be3131R	200	194	97.0	PASS	3	0.879	PASS
Ca3179R	5000	5050	101.0	PASS	500	-3.78	PASS
Cd2265	200	202.8	101.4	PASS	3	0.2742	PASS
Co2286	200	194.7	97.4	PASS	20	0.2863	PASS
Cr2677	200	202.8	101.4	PASS	5	0.2434	PASS
Cu3247	200	214.3	107.2	PASS	10	1.174	PASS
Fe2599A	5000	4915	98.3	PASS	50	-6.187	PASS
Fe2599R	5000	4986	99.7	PASS	50	-3.06	PASS
K_7664R	5000	5079	101.6	PASS	500	-54.29	PASS
Mg2790R	5000	5012	100.2	PASS	500	-8.199	PASS
Mn2576	200	203.5	101.8	PASS	5	0.4302	PASS
Na5895R	5000	4969	99.4	PASS	1000	-34.6	PASS
Ni2316	200	196.2	98.1	PASS	20	0.2457	PASS
Pb2203	200	195.9	98.0	PASS	8	0.7466	PASS
Sb2068	200	194	97.0	PASS	20	-0.5703	PASS
Se1960	200	196.8	98.4	PASS	20	0.7712	PASS
Tl1908	200	198.3	99.2	PASS	20	1.155	PASS
V_2924	200	195.5	97.8	PASS	20	-0.0808	PASS
Zn2062	200	196.4	98.2	PASS	20	0.1534	PASS
Mo2020	200	198.7	99.4	PASS	10	1.066	PASS
Ti3372	200	199	99.5	PASS	10	0.0418	PASS
B_2089	200	211.2	105.6	PASS	10	2.467	PASS
Si2881A	5000	4957	99.1	PASS	500	0.893	PASS
Si2881R	5000	5001	100.0	PASS	500	5.189	PASS
Sr3464	200	199.5	99.8	PASS	10	-0.1637	PASS
Sn1899	200	198.5	99.3	PASS	10	0.9818	PASS

ICAP 6300 QC RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG
	ug/L	ug/L	ug/L	16 Aug 2011			16 Aug 2011		
				14:09:22			18:17:20		
Ag3280	5	3.5	6.5	4.812	96.2	PASS	5.055	101.1	PASS
Al3082A	100	70.0	130	102.4	102.4	PASS	102	102.0	PASS
Al3082R	100	70.0	130	126	126.0	PASS	85.3	85.3	PASS
As1890	8	5.6	10.4	6.281	78.5	PASS	9.805	122.6	PASS
Ba4554R	100	70.0	130	100.7	100.7	PASS	100.5	100.5	PASS
Be3131R	3	2.1	3.9	3.351	111.7	PASS	3.275	109.2	PASS
Ca3179R	500	350	650	510.4	102.1	PASS	526.4	105.3	PASS
Cd2265	3	2.1	3.9	3.106	103.5	PASS	3.285	109.5	PASS
Co2286	20	14.0	26.0	19.84	99.2	PASS	20.12	100.6	PASS
Cr2677	5	3.5	6.5	5.131	102.6	PASS	5	100.0	PASS
Cu3247	10	7.0	13.0	11.43	114.3	PASS	11.94	119.4	PASS
Fe2599A	50	35.0	65.0	45.56	91.1	PASS	42.22	84.4	PASS
Fe2599R	50	35.0	65.0	45.88	91.8	PASS	47.04	94.1	PASS
K_7664R	500	350	650	438.3	87.7	PASS	367.4	73.5	PASS
Mg2790R	500	350	650	505.8	101.2	PASS	532.5	106.5	PASS
Mn2576	5	3.5	6.5	5.398	108.0	PASS	5.052	101.0	PASS
Na5895R	1000	700	1300	947.4	94.7	PASS	1174	117.4	PASS
Ni2316	20	14.0	26.0	19.85	99.3	PASS	19.67	98.4	PASS
Pb2203	8	5.6	10.4	8.522	106.5	PASS	8.333	104.2	PASS
Sb2068	20	14.0	26.0	20.63	103.2	PASS	19.38	96.9	PASS
Se1960	20	14.0	26.0	20.8	104.0	PASS	21.25	106.3	PASS
Tl1908	20	14.0	26.0	20.22	101.1	PASS	18.3	91.5	PASS
V_2924	20	14.0	26.0	19.47	97.4	PASS	19.69	98.5	PASS
Zn2062	20	14.0	26.0	22.66	113.3	PASS	23.96	119.8	PASS
Mo2020	10	7.0	13.0	10.63	106.3	PASS	9.872	98.7	PASS
Ti3372	10	7.0	13.0	9.99	99.9	PASS	9.796	98.0	PASS
B_2089	10	7.0	13.0	10.09	100.9	PASS	8.19	81.9	PASS
Si2881A	500	350	650	509.8	102.0	PASS	502.7	100.5	PASS
Si2881R	500	350	650	527.9	105.6	PASS	518.9	103.8	PASS
Sr3464	10	7.0	13.0	11.1	111.0	PASS	10.66	106.6	PASS
Sn1899	10	7.0	13.0	10.8	108.0	PASS	10.63	106.3	PASS

ICAP 6300 QC 2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	16 Aug 2011			16 Aug 2011		
				14:14:16			18:22:14		
Ag3280	10	7.0	13.0	10.33	103.3	PASS	9.798	98.0	PASS
Al3082A	200	140	260	205.5	102.8	PASS	194.7	97.4	PASS
Al3082R	200	140	260	209.1	104.6	PASS	230	115.0	PASS
As1890	16	11.2	20.8	18.65	116.6	PASS	16.72	104.5	PASS
Ba4554R	200	140	260	204.1	102.1	PASS	200.2	100.1	PASS
Be3131R	6	4.2	7.8	6.359	106.0	PASS	5.779	96.3	PASS
Ca3179R	1000	700	1300	1042	104.2	PASS	1050	105.0	PASS
Cd2265	6	4.2	7.8	6.317	105.3	PASS	6.6	110.0	PASS
Co2286	40	28.0	52.0	40.39	101.0	PASS	40.12	100.3	PASS
Cr2677	10	7.0	13.0	10.78	107.8	PASS	10.97	109.7	PASS
Cu3247	20	16.0	24	22.92	114.6	PASS	22.53	112.7	PASS
Fe2599A	100	70.0	130	99.45	99.5	PASS	92.81	92.8	PASS
Fe2599R	100	70.0	130	100	100.0	PASS	92.47	92.5	PASS
K_7664R	1000	700	1300	932.9	93.3	PASS	866.9	86.7	PASS
Mg2790R	1000	700	1300	1025	102.5	PASS	1054	105.4	PASS
Mn2576	10	7.0	13.0	10.68	106.8	PASS	10.27	102.7	PASS
Na5895R	2000	1400	2600	1988	99.4	PASS	2110	105.5	PASS
Ni2316	40	28.0	52.0	39.65	99.1	PASS	38.8	97.0	PASS
Pb2203	16	11.2	20.8	16.1	100.6	PASS	20.46	127.9	PASS
Sb2068	40	28.0	52.0	38.7	96.8	PASS	37.35	93.4	PASS
Se1960	40	28.0	52.0	40.18	100.5	PASS	40.69	101.7	PASS
Tl1908	40	28.0	52.0	40.25	100.6	PASS	36.92	92.3	PASS
V_2924	40	28.0	52.0	40.2	100.5	PASS	38.81	97.0	PASS
Zn2062	40	28.0	52.0	45.49	113.7	PASS	47.8	119.5	PASS
Mo2020	20	14.0	26.0	20.29	101.5	PASS	19.18	95.9	PASS
Ti3372	20	14.0	26.0	20.64	103.2	PASS	19.57	97.9	PASS
B_2089	20	14.0	26.0	20.71	103.6	PASS	16.84	84.2	PASS
Si2881A	1000	700	1300	1029	102.9	PASS	988.4	98.8	PASS
Si2881R	1000	700	1300	1036	103.6	PASS	1050	105.0	PASS
Sr3464	20	14.0	26.0	20.86	104.3	PASS	20.86	104.3	PASS
Sn1899	20	14.0	26.0	22.42	112.1	PASS	22.64	113.2	PASS

ICAP 6300 QC IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	16 Aug 2011			16 Aug 2011			
				14:19:10			18:27:07			
Ag3280	0	-5.0	5.0	-1.083		PASS	-0.8032		PASS	
Al3082A	300000	200000	300000	^F *****	*N/A	*N/A	^F *****	*N/A	*N/A	switch to radial
Al3082R	300000	200000	300000	307600	102.5	PASS	304900	101.6	PASS	
As1890	0	-8.0	8.0	-7.641		PASS	-5.419		PASS	
Ba4554R	0	-100	100	0.3384		PASS	0.8407		PASS	
Be3131R	0	-3.0	3.0	0.1138		PASS	0.0321		PASS	
Ca3179R	300000	200000	300000	293500	97.8	PASS	301500	100.5	PASS	
Cd2265	0	-3.0	3.0	1.678		PASS	2.058		PASS	
Co2286	0	-20.0	20.0	-1.131		PASS	-1.303		PASS	
Cr2677	0	-5.0	5.0	1.296		PASS	1.261		PASS	
Cu3247	0	-10.0	10.0	4.518		PASS	5.77		PASS	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	#VALUE!	*N/A	switch to radial
Fe2599R	300000	200000	300000	289300	96.4	PASS	284800	94.9	PASS	
K_7664R	0	-500	500	-61.74		PASS	2.675		PASS	
Mg2790R	300000	200000	300000	292600	97.5	PASS	300700	100.2	PASS	
Mn2576	0	-5.0	5.0	0.0646		PASS	-0.1288		PASS	
Na5895R	300000	200000	300000	295400	98.5	PASS	290600	96.9	PASS	
Ni2316	0	-20.0	20.0	-1.726		PASS	-2.945		PASS	
Pb2203	0	-8.0	8.0	-5.898		PASS	6.857		PASS	
Sb2068	0	-20.0	20.0	-19.45		PASS	-13.55		PASS	
Se1960	0	-20.0	20.0	12.41		PASS	10.35		PASS	
Tl1908	0	-20.0	20.0	1.6		PASS	0.5993		PASS	
V_2924	0	-20.0	20.0	-1.445		PASS	-2.069		PASS	
Zn2062	0	-20.0	20.0	2.197		PASS	2.407		PASS	
Mo2020	0	-10.0	10.0	-1.818		PASS	-1.964		PASS	
Ti3372	0	-10.0	10.0	1.817		PASS	1.456		PASS	
B_2089	0	-10.0	10.0	-1.138		PASS	-2.528		PASS	
Si2881A	0	-500	500	-7.011		PASS	-9.564		PASS	
Si2881R	0	-500	500	20.69		PASS	6.142		PASS	
Sr3464	0	-10.0	10.0	2.087		PASS	1.868		PASS	
Sn1899	0	-10.0	10.0	1.549		PASS	2.394		PASS	

*N/A = Not Applicable since the axial mode is above the LDR and/or saturated detector

ICAP 6300 QC CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	16 Aug 2011			ug/L	16 Aug 2011	
		15:13:55				15:18:38	
Ag3280	200	193.4	96.7	PASS	5	0.0886	PASS
Al3082A	5000	4837	96.7	PASS	100	-6.335	PASS
Al3082R	5000	4888	97.8	PASS	100	16.59	PASS
As1890	200	201.4	100.7	PASS	8	1.836	PASS
Ba4554R	200	199.2	99.6	PASS	100	0.627	PASS
Be3131R	200	183.2	91.6	PASS	3	0.4796	PASS
Ca3179R	5000	5158	103.2	PASS	500	-6.617	PASS
Cd2265	200	205.8	102.9	PASS	3	-0.058	PASS
Co2286	200	193.4	96.7	PASS	20	0.1251	PASS
Cr2677	200	210.3	105.2	PASS	5	-0.0709	PASS
Cu3247	200	208.1	104.1	PASS	10	0.6026	PASS
Fe2599A	5000	5044	100.9	PASS	50	-7.656	PASS
Fe2599R	5000	4960	99.2	PASS	50	-6.191	PASS
K_7664R	5000	5047	100.9	PASS	500	-32.72	PASS
Mg2790R	5000	5108	102.2	PASS	500	-18.43	PASS
Mn2576	200	207.8	103.9	PASS	5	-0.1167	PASS
Na5895R	5000	5272	105.4	PASS	1000	167.1	PASS
Ni2316	200	197	98.5	PASS	20	0.2515	PASS
Pb2203	200	201.5	100.8	PASS	8	0.4998	PASS
Sb2068	200	191.1	95.6	PASS	20	-3.151	PASS
Se1960	200	195.8	97.9	PASS	20	0.3011	PASS
Tl1908	200	197.4	98.7	PASS	20	-0.1154	PASS
V_2924	200	199.3	99.7	PASS	20	-0.2417	PASS
Zn2062	200	206	103.0	PASS	20	-0.2477	PASS
Mo2020	200	193.2	96.6	PASS	10	0.1391	PASS
Ti3372	200	197.6	98.8	PASS	10	-0.1747	PASS
B_2089	200	194	97.0	PASS	10	-1.296	PASS
Si2881A	5000	5003	100.1	PASS	500	-4.059	PASS
Si2881R	5000	5105	102.1	PASS	500	-4.841	PASS
Sr3464	200	206.9	103.5	PASS	10	-0.1025	PASS
Sn1899	200	204	102.0	PASS	10	-0.081	PASS

ICAP 6300 QC CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	16 Aug 2011			ug/L	16 Aug 2011	
		16:14:03				16:18:48	
Ag3280	200	195	97.5	PASS	5	0.1737	PASS
Al3082A	5000	4867	97.3	PASS	100	-6.178	PASS
Al3082R	5000	4890	97.8	PASS	100	-8.088	PASS
As1890	200	202.8	101.4	PASS	8	1.311	PASS
Ba4554R	200	199.7	99.9	PASS	100	0.8004	PASS
Be3131R	200	184	92.0	PASS	3	0.6296	PASS
Ca3179R	5000	5135	102.7	PASS	500	-6.758	PASS
Cd2265	200	204.3	102.2	PASS	3	-0.0365	PASS
Co2286	200	192.5	96.3	PASS	20	0.1888	PASS
Cr2677	200	210.4	105.2	PASS	5	-0.0717	PASS
Cu3247	200	208.4	104.2	PASS	10	0.4924	PASS
Fe2599A	5000	5059	101.2	PASS	50	-8.042	PASS
Fe2599R	5000	4969	99.4	PASS	50	-5.048	PASS
K_7664R	5000	4970	99.4	PASS	500	-117.9	PASS
Mg2790R	5000	5083	101.7	PASS	500	-11.21	PASS
Mn2576	200	207.8	103.9	PASS	5	-0.1377	PASS
Na5895R	5000	5437	108.7	PASS	1000	296.5	PASS
Ni2316	200	196.2	98.1	PASS	20	0.1165	PASS
Pb2203	200	202	101.0	PASS	8	1.259	PASS
Sb2068	200	187.9	94.0	PASS	20	-2.025	PASS
Se1960	200	197.1	98.6	PASS	20	3.041	PASS
Tl1908	200	196.9	98.5	PASS	20	-1.029	PASS
V_2924	200	200.1	100.1	PASS	20	-0.1776	PASS
Zn2062	200	204.7	102.4	PASS	20	-0.3271	PASS
Mo2020	200	192.8	96.4	PASS	10	0.1269	PASS
Ti3372	200	197.7	98.9	PASS	10	-0.1738	PASS
B_2089	200	192.4	96.2	PASS	10	-1.894	PASS
Si2881A	5000	5013	100.3	PASS	500	-4.365	PASS
Si2881R	5000	5063	101.3	PASS	500	8.196	PASS
Sr3464	200	205.8	102.9	PASS	10	0.0517	PASS
Sn1899	200	201.7	100.9	PASS	10	0.9223	PASS

ICAP 6300 QC CCV-3 / CCB-3 (ug/L)

ELEMENT	TRUE VALUE	CCV-3	%REC	FLAG	REP. LIMIT	CCB-3	FLAG
	ug/L	16 Aug 2011			ug/L	16 Aug 2011	
		17:13:08				17:17:51	
Ag3280	200	193.2	96.6	PASS	5	-0.0758	PASS
Al3082A	5000	4916	98.3	PASS	100	-5.487	PASS
Al3082R	5000	4879	97.6	PASS	100	10.67	PASS
As1890	200	197.3	98.7	PASS	8	1.537	PASS
Ba4554R	200	198.5	99.3	PASS	100	0.8536	PASS
Be3131R	200	177.9	89.0	PASS	3	0.5068	PASS
Ca3179R	5000	5155	103.1	PASS	500	-6.122	PASS
Cd2265	200	208.1	104.1	PASS	3	-0.0661	PASS
Co2286	200	193.1	96.6	PASS	20	-0.0287	PASS
Cr2677	200	211.6	105.8	PASS	5	-0.275	PASS
Cu3247	200	208.2	104.1	PASS	10	0.6587	PASS
Fe2599A	5000	5002	100.0	PASS	50	-8.32	PASS
Fe2599R	5000	4926	98.5	PASS	50	-6.711	PASS
K_7664R	5000	4960	99.2	PASS	500	-142.5	PASS
Mg2790R	5000	5151	103.0	PASS	500	0.9304	PASS
Mn2576	200	206.5	103.3	PASS	5	-0.1072	PASS
Na5895R	5000	5449	109.0	PASS	1000	294	PASS
Ni2316	200	196.5	98.3	PASS	20	-0.0237	PASS
Pb2203	200	205.5	102.8	PASS	8	1.314	PASS
Sb2068	200	189.7	94.9	PASS	20	-2.156	PASS
Se1960	200	203	101.5	PASS	20	6.243	PASS
Tl1908	200	195.2	97.6	PASS	20	0.1024	PASS
V_2924	200	199.2	99.6	PASS	20	-0.4364	PASS
Zn2062	200	209.5	104.8	PASS	20	-0.5015	PASS
Mo2020	200	191.5	95.8	PASS	10	0.1098	PASS
Ti3372	200	195.9	98.0	PASS	10	-0.2645	PASS
B_2089	200	191.8	95.9	PASS	10	-3.03	PASS
Si2881A	5000	5018	100.4	PASS	500	-5.791	PASS
Si2881R	5000	5090	101.8	PASS	500	4.41	PASS
Sr3464	200	207.5	103.8	PASS	10	0.0832	PASS
Sn1899	200	205.2	102.6	PASS	10	0.8022	PASS

ICAP 6300 QC CCV-4 / CCB-4 (ug/L)

ELEMENT	TRUE VALUE	CCV-4	%REC	FLAG	REP. LIMIT	CCB-4	FLAG
	ug/L	16 Aug 2011			ug/L	16 Aug 2011	
		18:07:43				18:12:26	
Ag3280	200	184.9	92.5	PASS	5	0.193	PASS
Al3082A	5000	4642	92.8	PASS	100	-6.502	PASS
Al3082R	5000	4857	97.1	PASS	100	16.77	PASS
As1890	200	204.1	102.1	PASS	8	3.186	PASS
Ba4554R	200	197.9	99.0	PASS	100	0.3041	PASS
Be3131R	200	175.7	87.9	PASS	3	0.5773	PASS
Ca3179R	5000	5200	104.0	PASS	500	-1.934	PASS
Cd2265	200	210.8	105.4	PASS	3	0.0004	PASS
Co2286	200	193.6	96.8	PASS	20	-0.1335	PASS
Cr2677	200	203.4	101.7	PASS	5	-0.5748	PASS
Cu3247	200	204.9	102.5	PASS	10	0.2971	PASS
Fe2599A	5000	4775	95.5	PASS	50	-8.116	PASS
Fe2599R	5000	4811	96.2	PASS	50	-3.178	PASS
K_7664R	5000	4930	98.6	PASS	500	-152.2	PASS
Mg2790R	5000	5172	103.4	PASS	500	-11.58	PASS
Mn2576	200	199.1	99.6	PASS	5	-0.1534	PASS
Na5895R	5000	5158	103.2	PASS	1000	205.3	PASS
Ni2316	200	195.3	97.7	PASS	20	-0.0497	PASS
Pb2203	200	201.8	100.9	PASS	8	0.3162	PASS
Sb2068	200	187.4	93.7	PASS	20	1.433	PASS
Se1960	200	201	100.5	PASS	20	-0.4531	PASS
Tl1908	200	193.6	96.8	PASS	20	-0.0723	PASS
V_2924	200	192.2	96.1	PASS	20	-0.4099	PASS
Zn2062	200	210	105.0	PASS	20	-0.4845	PASS
Mo2020	200	189.2	94.6	PASS	10	-0.2352	PASS
Ti3372	200	193	96.5	PASS	10	-0.245	PASS
B_2089	200	194.1	97.1	PASS	10	-1.996	PASS
Si2881A	5000	4877	97.5	PASS	500	-5.972	PASS
Si2881R	5000	5109	102.2	PASS	500	-9.612	PASS
Sr3464	200	201.3	100.7	PASS	10	0.4544	PASS
Sn1899	200	203.8	101.9	PASS	10	-0.11	PASS

ICAP 6300 QC

Aqueous Prep. Blank (PBW) - ug/L

ELEMENT	PBW B16P72	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	16 Aug 2011	ug/L	ug/L	ug/L	
	14:24:36				
Ag3280	0.0444	5	5	-5	PASS
Al3082A	4.664	100	100	-100	PASS
Al3082R	10.14	100	100	-100	PASS
As1890	0.6519	8	8	-8	PASS
Ba4554R	-0.0409	100	100	-100	PASS
Be3131R	0.7999	3	3	-3	PASS
Ca3179R	8.985	500	500	-500	PASS
Cd2265	-0.0551	3	3	-3	PASS
Co2286	-0.1772	20	20	-20	PASS
Cr2677	0.0398	5	5	-5	PASS
Cu3247	0.8798	10	10	-10	PASS
Fe2599A	7.551	50	50	-50	PASS
Fe2599R	9.423	50	50	-50	PASS
K_7664R	-135	500	500	-500	PASS
Mg2790R	-7.185	500	500	-500	PASS
Mn2576	-0.1819	5	5	-5	PASS
Na5895R	149.2	1000	1000	-1000	PASS
Ni2316	-0.0322	20	20	-20	PASS
Pb2203	0.0978	8	8	-8	PASS
Sb2068	0.1712	20	20	-20	PASS
Se1960	3.926	20	20	-20	PASS
Tl1908	-1.513	20	20	-20	PASS
V_2924	-0.3993	20	20	-20	PASS
Zn2062	-0.1685	20	20	-20	PASS
Mo2020	0.2943	10	10	-10	PASS
Ti3372	-0.1703	10	10	-10	PASS
B_2089	-1.801	10	10	-10	PASS
Si2881A	-2.024	500	500	-500	PASS
Si2881R	1.342	500	500	-500	PASS
Sr3464	0.7421	10	10	-10	PASS
Sn1899	0.5752	10	10	-10	PASS

ICAP 6300 QC

Aqueous LCS (LCSW) - ug/L

ELEMENT	LCSW-1 B19P12	LCSW-2 B19P12	MEAN	SPIKE LEVEL	RPD	% REC	FLAG
	16 Aug 2011	16 Aug 2011	ug/L	ug/L			
	14:29:30	14:34:13					
Ag3280	205.4	205.5	205.5	200	1.00	94	PASS
Al3082A	4987	4952	4970	5000	0.70	99	PASS
Al3082R	5105	4982	5043.5	5000	2.44	101	PASS
As1890	215.5	215	215.3	200	0.23	108	PASS
Ba4554R	214	211.9	213.0	200	0.99	106	PASS
Be3131R	198.9	198.8	199	200	0.05	99	PASS
Ca3179R	5436	5356	5396.0	5000	1.48	108	PASS
Cd2265	218.5	219.9	219.2	200	0.64	110	PASS
Co2286	209.6	209.5	209.6	200	0.05	105	PASS
Cr2677	214.3	215.2	214.8	200	0.42	107	PASS
Cu3247	212.2	212.6	212	200	0.19	106	PASS
Fe2599A	5150	5090	5120	5000	1.17	102	PASS
Fe2599R	5141	5084	5113	5000	1.11	102	PASS
K_7664R	4825	4732	4778.5	5000	1.95	96	PASS
Mg2790R	5357	5300	5329	5000	1.07	107	PASS
Mn2576	212.2	212.8	212.5	200	0.28	106	PASS
Na5895R	5267	5182	5224.5	5000	1.63	104	PASS
Ni2316	207.8	208.4	208.1	200	0.29	104	PASS
Pb2203	214.2	213.9	214.1	200	0.14	107	PASS
Sb2068	200.6	199.5	200.1	200	0.55	100	PASS
Se1960	207.1	210.7	208.9	200	1.72	104	PASS
Tl1908	206.7	206.7	206.7	200	0.00	103	PASS
V_2924	210.1	211.1	210.6	200	0.47	105	PASS
Zn2062	222.1	224.2	223.2	200	0.94	112	PASS
Mo2020	202.9	202.8	202.9	200	0.05	101	PASS
Ti3372	210.2	210.3	210.3	200	0.05	105	PASS
B_2089	203.2	201.3	202.3	200	0.94	101	PASS
Si2881A	4347	4149	4248.0	5000	4.66	85	PASS
Si2881R	4354	4235	4294.5	5000	2.77	86	PASS
Sr3464	212.9	214.6	213.8	200	0.80	107	PASS
Sn1899	210.5	211.7	211.1	200	0.57	106	PASS

ICAP 6300 QC

Aqueous Prep. Blank (PBW) - ug/L

ELEMENT	PBW-2 B19P12	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	16 Aug 2011	ug/L	ug/L	ug/L	
	16:23:43				
Ag3280	0.2591	5	5	-5	PASS
Al3082A	-5.112	100	100	-100	PASS
Al3082R	1.147	100	100	-100	PASS
As1890	0.6422	8	8	-8	PASS
Ba4554R	1.004	100	100	-100	PASS
Be3131R	0.3882	3	3	-3	PASS
Ca3179R	0.33	500	500	-500	PASS
Cd2265	-0.019	3	3	-3	PASS
Co2286	-0.1489	20	20	-20	PASS
Cr2677	-0.2907	5	5	-5	PASS
Cu3247	0.8213	10	10	-10	PASS
Fe2599A	-6.55	50	50	-50	PASS
Fe2599R	-2.912	50	50	-50	PASS
K_7664R	-127.3	500	500	-500	PASS
Mg2790R	-3.045	500	500	-500	PASS
Mn2576	-0.1316	5	5	-5	PASS
Na5895R	196.1	1000	1000	-1000	PASS
Ni2316	0.2249	20	20	-20	PASS
Pb2203	-0.0578	8	8	-8	PASS
Sb2068	-0.7371	20	20	-20	PASS
Se1960	1.064	20	20	-20	PASS
Tl1908	-0.2544	20	20	-20	PASS
V_2924	-0.3868	20	20	-20	PASS
Zn2062	-0.2138	20	20	-20	PASS
Mo2020	0.0663	10	10	-10	PASS
Ti3372	-0.5335	10	10	-10	PASS
B_2089	-0.8931	10	10	-10	PASS
Si2881A	-0.7736	500	500	-500	PASS
Si2881R	-9.785	500	500	-500	PASS
Sr3464	0.7826	10	10	-10	PASS
Sn1899	0.8086	10	10	-10	PASS

ICAP 6300 QC

Aqueous LCS (LCSW) - ug/L

ELEMENT	LCSW-3 B19P12	LCSW-4 B19P12	MEAN	SPIKE LEVEL	RPD	% REC	FLAG
	16 Aug 2011	16 Aug 2011	ug/L	ug/L			
	16:28:37	16:33:21					
Ag3280	207	215.5	211.3	200	1.00	94	PASS
Al3082A	5040	5171	5106	5000	2.57	102	PASS
Al3082R	5084	5081	5082.5	5000	0.06	102	PASS
As1890	215.3	213.2	214.3	200	0.98	107	PASS
Ba4554R	214.3	217	215.7	200	1.25	108	PASS
Be3131R	197.8	199.5	199	200	0.86	99	PASS
Ca3179R	5430	5427	5428.5	5000	0.06	109	PASS
Cd2265	218.8	217.6	218.2	200	0.55	109	PASS
Co2286	209.7	209.7	209.7	200	0.00	105	PASS
Cr2677	217.6	224.1	220.9	200	2.94	110	PASS
Cu3247	210.9	216.1	214	200	2.44	107	PASS
Fe2599A	5244	5329	5287	5000	1.61	106	PASS
Fe2599R	5181	5156	5169	5000	0.48	103	PASS
K_7664R	4867	4791	4829.0	5000	1.57	97	PASS
Mg2790R	5358	5295	5327	5000	1.18	107	PASS
Mn2576	216.3	221.1	218.7	200	2.19	109	PASS
Na5895R	5411	5372	5391.5	5000	0.72	108	PASS
Ni2316	209.2	210.5	209.9	200	0.62	105	PASS
Pb2203	217.1	219.8	218.5	200	1.24	109	PASS
Sb2068	199.8	203.6	201.7	200	1.88	101	PASS
Se1960	216.2	213.6	214.9	200	1.21	107	PASS
Tl1908	206.7	207.5	207.1	200	0.39	104	PASS
V_2924	211.7	218.5	215.1	200	3.16	108	PASS
Zn2062	226.1	225.4	225.8	200	0.31	113	PASS
Mo2020	201.7	204.3	203.0	200	1.28	102	PASS
Ti3372	210	213.9	212.0	200	1.84	106	PASS
B_2089	199.9	197.6	198.8	200	1.16	99	PASS
Si2881A	4132	4215	4173.5	5000	1.99	83	PASS
Si2881R	4219	4237	4228.0	5000	0.43	85	PASS
Sr3464	216.3	220.2	218.3	200	1.79	109	PASS
Sn1899	214	216.2	215.1	200	1.02	108	PASS

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 29 ATs (RE-ANALYSIS)

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: R. RECTO

SAMPLE PREPARATION DATE(S): 08/12/11

ANALYSIS DATE: 08/16/11

DATA FILE: ESAT081611

ELEMENT(S) OF INTEREST: Na & K

COVER PAGE

	Pos ID	Type	Samplename	Comment	Instrument	Method	CorrFact	Check	Check Table	Fail Action
1	1	QC	PBW-1 B19 P12		ICAP6300	SOP-C-109	1	☒	PBW	None
2	2	QC	LCSW-1 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
3	3	QC	LCSW-2 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
4	4	Unk	AN03594 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	AN03595 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	AN03596 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
7	7	Unk	AN03597 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	AN03598 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	Unk	AN03599 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
10	10	Unk	AN03599 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
11	11	Unk	AN03600 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
12	12	Unk	AN03601 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
13	13	Unk	AN03602 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
14	14	Unk	AN03603 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
15	15	Unk	AN03604 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
16	16	Unk	AN03605 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
17	17	Unk	AN03606 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
18	18	Unk	AN03607 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
19	19	Unk	AN03608 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
20	20	Unk	AN03608 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
21	21	QC	PBW-2 B19P12		ICAP6300	SOP-C-109	1	☒	PBW	None
22	22	QC	LCSW-3 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
23	23	QC	LCSW-4 B19P12		ICAP6300	SOP-C-109	1	☒	LCSW	None
24	24	Unk	AN03609 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
25	25	Unk	AN03610 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
26	26	Unk	AN03611 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
27	27	Unk	AN03612 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
28	28	Unk	AN03613 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
29	29	Unk	AN03614 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
30	30	Unk	AN03614 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
31	31	Unk	AN03615 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
32	32	Unk	AN03616 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
33	33	Unk	AN03617 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
34	34	Unk	AN03618 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
35	35	Unk	AN03619 X20	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
36	36	Unk	AN03619 X100	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
37	37	Unk	AN03620	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
38	38	Unk	AN03621	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
39	39	Unk	AN03622	JEWETT WHITE (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---

SUMMARY - VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	16 Aug 2011 13:44:03	16 Aug 2011 13:48:57	16 Aug 2011 13:53:52	16 Aug 2011 13:59:39	16 Aug 2011 14:04:27	16 Aug 2011 14:09:22	16 Aug 2011 14:14:16	16 Aug 2011 14:19:10
Ag3280	-.0005	.3882	.7835	192.5	-.3892	4.812	10.33	-1.083
Al3961A	.0124	3.478	6.983	4721.	-5.224	102.4	205.5	^F *****
Al3961R	.0016	.2197	.4376	4842.	17.47	126.0	209.1	307600.
As1890	.0001	.1660	.3362	197.3	2.717	6.281	18.65	-7.641
Ba4554R	.0079	10.94	21.61	198.8	.5568	100.7	204.1	.3384
Be3131R	.0001	6.039	12.23	194.0	.8790	3.351	6.359	.1138
Ca3179R	.0067	.6337	1.249	5050.	-3.780	510.4	1042.	293500.
Cd2265	.0000	6.872	13.27	202.8	.2742	3.106	6.317	1.678
Co2286	.0001	2.195	4.400	194.7	.2863	19.84	40.39	-1.131
Cr2677	-.0002	1.288	2.563	202.8	.2434	5.131	10.78	1.296
Cu3247	.0106	4.188	8.129	214.3	1.174	11.43	22.92	4.518
Fe2599A	.0057	2.782	5.507	4915.	-6.187	45.56	99.45	^ *****
Fe2599R	.0007	.4119	.8232	4986.	-3.060	45.88	100.0	289300.
K_7664R	.0114	.1171	.2454	5079.	-54.29	438.3	932.9	-61.74
Mg2790R	.0004	.0729	.1434	5012.	-8.199	505.8	1025.	292600.
Mn2576	.0008	17.05	33.62	203.5	.4302	5.398	10.68	.0646
Na5895R	.0182	.4430	.8645	4969.	-34.60	947.4	1988.	295400.
Ni2316	.0000	1.193	2.380	196.2	.2457	19.85	39.65	-1.726
Pb2203	.0002	.5166	1.026	195.9	.7466	8.522	16.10	-5.898
Sb2068	.0000	.2901	.5888	194.0	-.5703	20.63	38.70	-19.45
Se1960	.0002	.1363	.2733	196.8	.7712	20.80	40.18	12.41
Tl1908	-.0001	.2541	.5073	198.3	1.155	20.22	40.25	1.600
V_2924	-.0001	3.681	7.340	195.5	-.0808	19.47	40.20	-1.445
Zn2062	.0011	2.884	5.697	196.4	.1534	22.66	45.49	2.197
Mo2020	.0000	1.514	3.072	198.7	1.066	10.63	20.29	-1.818
Ti3372	-.0009	10.22	20.54	199.0	.0418	9.990	20.64	1.817
B_2089	.0000	.7241	1.472	211.2	2.467	10.09	20.71	-1.138
Si2881A	.0069	.7349	1.465	4957.	.8930	509.8	1029.	-7.011
Si2881R	.0006	.1120	.2215	5001.	5.189	527.9	1036.	20.69
Sn1899	.0001	.4208	.8288	198.5	.9818	10.80	22.42	1.549
Sr3464	-.0008	2.915	5.821	199.5	-.1637	11.10	20.86	2.087
Y_2243-A	24059.	24490.	23931.	24540.	24797.	24873.	24672.	22864.
Y_3203-A	44056.	43954.	43694.	44871.	44951.	44486.	43367.	41320.
Y_3600-R	22446.	21271.	21631.	22066.	21360.	20662.	19965.	20745.

SUMMARY - VERTICAL REPORT

	PBW-1 B19 P12	LCSW-1 B19P12	LCSW-2 B19P12	AN03594 X20	AN03595 X20	AN03596 X20	AN03597 X20	AN03598 X20
	16 Aug 2011 14:24:36	16 Aug 2011 14:29:30	16 Aug 2011 14:34:13	16 Aug 2011 14:38:57	16 Aug 2011 14:43:58	16 Aug 2011 14:48:59	16 Aug 2011 14:54:00	16 Aug 2011 14:59:01
Ag3280	.0444	205.4	205.5	-.5628	-.4499	-.6804	-.8659	-.6820
Al3961A	4.664	4987.	4952.	-6.544	-11.41	-9.824	-12.33	-7.774
Al3961R	10.14	5105.	4982.	1.017	4.236	1.035	-8.863	-5.520
As1890	.6519	215.5	215.0	.6146	3.166	2.907	2.369	3.393
Ba4554R	-.0409	214.0	211.9	2.074	1.688	2.022	2.489	2.839
Be3131R	.7999	198.9	198.8	.3921	.4458	.5275	.6540	.7855
Ca3179R	8.985	5436.	5356.	13600.	13210.	13470.	13120.	13320.
Cd2265	-.0551	218.5	219.9	.0546	.1128	-.0518	-.0011	.1112
Co2286	-.1772	209.6	209.5	-.3238	.0154	-.2455	-.4191	-.5537
Cr2677	.0398	214.3	215.2	-.2859	-.2645	-.4729	.1716	.0774
Cu3247	.8798	212.2	212.6	1.459	1.193	.9987	.5882	1.273
Fe2599A	7.551	5150.	5090.	6.280	-5.564	3.912	-6.065	5.070
Fe2599R	9.423	5141.	5084.	13.11	-2.635	4.967	-4.335	7.943
K_7664R	-135.0	4825.	4732.	12700.	12320.	12570.	12240.	12360.
Mg2790R	-7.185	5357.	5300.	41980.	40780.	41330.	40450.	40870.
Mn2576	-.1819	212.2	212.8	3.754	2.962	3.813	3.256	3.980
Na5895R	149.2	5267.	5182.	328400.	318100.	328800.	321200.	323000.
Ni2316	-.0322	207.8	208.4	.3907	.4990	.5930	-.1423	.7130
Pb2203	.0978	214.2	213.9	-.2919	1.819	1.283	1.319	-.2756
Sb2068	.1712	200.6	199.5	-1.564	2.642	5.149	4.242	1.086
Se1960	3.926	207.1	210.7	3.850	7.263	3.325	4.330	4.641
Tl1908	-1.513	206.7	206.7	-2.940	-2.674	-2.121	-1.052	-.6015
V_2924	-.3993	210.1	211.1	-1.032	-.9555	-.7392	-.9469	-1.568
Zn2062	-.1685	222.1	224.2	1.439	1.362	1.372	3.260	.6904
Mo2020	.2943	202.9	202.8	.6805	.1809	.4136	.3462	.3846
Ti3372	-.1703	210.2	210.3	-.4413	-.5094	-.6449	-.7904	-.2458
B_2089	-1.801	203.2	201.3	134.7	126.8	132.2	127.3	124.7
Si2881A	-2.024	4347.	4149.	53.51	43.61	53.79	44.21	56.98
Si2881R	1.342	4354.	4235.	57.84	45.51	75.58	42.45	77.23
Sn1899	.5752	210.5	211.7	-.0080	.3020	1739.	2.687	1.397
Sr3464	.7421	212.9	214.6	247.5	242.4	243.4	241.1	243.6
Y_2243-A	25237.	25547.	25313.	24275.	23857.	23954.	24486.	24201.
Y_3203-A	45738.	45278.	44608.	42432.	40597.	42027.	41606.	40815.
Y_3600-R	20708.	19574.	19173.	18247.	16825.	17729.	16962.	16087.

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	AN03599 X20	AN03599 X100	CCV	CCB	AN03600 X20	AN03601 X20	AN03602 X20	AN03603 X20
	16 Aug 2011 15:04:02	16 Aug 2011 15:09:03	16 Aug 2011 15:13:55	16 Aug 2011 15:18:38	16 Aug 2011 15:23:31	16 Aug 2011 15:28:33	16 Aug 2011 15:33:33	16 Aug 2011 15:38:35
Ag3280	.1862	.1382	193.4	.0886	.1415	-.3924	.3064	-.5149
Al3961A	-10.94	-7.185	4837.	-6.335	-5.962	-10.94	-5.823	-9.981
Al3961R	-3.979	10.43	4888.	16.59	16.53	-16.36	2.247	-21.36
As1890	1.829	-.0905	201.4	1.836	5.803	4.382	4.705	2.524
Ba4554R	2.299	1.514	199.2	.6270	2.050	2.661	2.865	2.352
Be3131R	.4912	.5000	183.2	.4796	.2273	.2525	.5258	.4290
Ca3179R	13240.	2621.	5158.	-6.617	12980.	13110.	13200.	13160.
Cd2265	.0033	-.1324	205.8	-.0580	-.1087	-.0434	.0119	-.0784
Co2286	.0099	-.0592	193.4	.1251	-.1752	-.3574	-.4202	-.0971
Cr2677	.4394	-.3734	210.3	-.0709	-.1117	-.5010	-.1379	.1188
Cu3247	2.255	.9707	208.1	.6026	1.237	1.863	.4872	1.662
Fe2599A	-4.671	-7.417	5044.	-7.656	3.658	-7.673	3.092	-7.691
Fe2599R	-1.082	-9.946	4960.	-6.191	6.199	-4.413	4.416	-3.157
K_7664R	12450.	2326.	5047.	-32.72	12140.	12230.	12360.	12330.
Mg2790R	40930.	8073.	5108.	-18.43	39660.	40270.	40460.	40400.
Mn2576	3.509	.5403	207.8	-.1167	3.817	3.150	3.941	3.321
Na5895R	320900.	65510.	5272.	167.1	316500.	319500.	321000.	327100.
Ni2316	1.308	.2769	197.0	.2515	.7548	.2751	.9119	.0577
Pb2203	1.396	.8099	201.5	.4998	.2431	2.221	.4760	1.009
Sb2068	-2.230	1.055	191.1	-3.151	.8197	1.912	-.7483	1.862
Se1960	3.491	2.246	195.8	.3011	1.408	3.706	1.112	3.487
Tl1908	-2.256	-1.340	197.4	-.1154	-1.484	-2.789	.4212	-2.998
V_2924	-.9633	-.7563	199.3	-.2417	-.6306	-.8454	-.4463	-.6577
Zn2062	.9206	.1438	206.0	-.2477	.9057	.7494	1.317	.6650
Mo2020	.0867	.0526	193.2	.1391	.5312	.2266	.3775	.1987
Ti3372	-.5284	-.2215	197.6	-.1747	-.1761	-.6165	-.3312	-.4986
B_2089	127.3	24.85	194.0	-1.296	127.5	126.7	125.4	127.7
Si2881A	46.19	11.45	5003.	-4.059	55.66	46.24	55.60	46.93
Si2881R	58.42	20.41	5105.	-4.841	60.05	40.50	48.99	57.57
Sn1899	.8185	1.059	204.0	-.0810	.9376	.5768	.9275	.2573
Sr3464	243.3	48.85	206.9	-.1025	240.2	244.1	246.5	246.4
Y_2243-A	24768.	25294.	25668.	25313.	24738.	24152.	24555.	24429.
Y_3203-A	42040.	43292.	43983.	44466.	41566.	40425.	40526.	40843.
Y_3600-R	17152.	18315.	18882.	20072.	18953.	16983.	17358.	17665.

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	AN03604 X20	AN03605 X20	AN03606 X20	AN03607 X20	AN03608 X20	AN03608 X100	CCV	CCB
	16 Aug 2011 15:43:36	16 Aug 2011 15:48:37	16 Aug 2011 15:53:38	16 Aug 2011 15:58:38	16 Aug 2011 16:04:08	16 Aug 2011 16:09:09	16 Aug 2011 16:14:03	16 Aug 2011 16:18:48
Ag3280	.2755	-.4774	-.0663	.2884	-.3938	.1060	195.0	.1737
Al3961A	-2.440	-11.94	.9871	-10.28	-7.200	-6.714	4867.	-6.178
Al3961R	5.912	-5.848	29.18	-16.05	7.520	15.30	4890.	-8.088
As1890	6.002	-.2008	4.318	3.060	3.642	5.193	202.8	1.311
Ba4554R	2.825	2.694	3.154	3.144	3.049	1.834	199.7	.8004
Be3131R	.4638	.2948	.4089	.8900	.3263	.0249	184.0	.6296
Ca3179R	13080.	13090.	12840.	12940.	12900.	2646.	5135.	-6.758
Cd2265	-.1285	.0143	.1256	.0634	.0255	-.0499	204.3	-.0365
Co2286	-.3314	-.0443	-.3855	-.1503	-.1220	-.1436	192.5	.1888
Cr2677	-.0468	.4173	-.4296	-.6232	-.2576	.0010	210.4	-.0717
Cu3247	.9424	.6116	1.893	2.452	1.033	.9013	208.4	.4924
Fe2599A	12.11	-7.656	19.41	-7.678	.6082	-5.317	5059.	-8.042
Fe2599R	12.85	-6.942	19.05	-4.957	3.361	-1.789	4969.	-5.048
K_7664R	12310.	12230.	12010.	12260.	12110.	2286.	4970.	-117.9
Mg2790R	40210.	40030.	39350.	40140.	39770.	8130.	5083.	-11.21
Mn2576	4.155	3.169	4.518	2.972	3.450	.5528	207.8	-.1377
Na5895R	314400.	314100.	313500.	319800.	309500.	65800.	5437.	296.5
Ni2316	1.004	.1431	1.036	.2413	.4173	.1791	196.2	.1165
Pb2203	-.1812	.4013	2.733	.7273	.1820	1.199	202.0	1.259
Sb2068	2.569	.1022	1.289	2.277	2.613	1.600	187.9	-2.025
Se1960	2.827	4.401	4.116	4.041	2.203	4.763	197.1	3.041
Tl1908	-1.131	-.3684	-.6876	-1.551	-2.700	-2.569	196.9	-1.029
V_2924	-.7721	-.2919	-1.093	-.8754	-.6284	-.3138	200.1	-.1776
Zn2062	.9207	.9306	.7042	.5067	.8612	1.720	204.7	-.3271
Mo2020	.2834	.3448	.3846	.3475	.3630	-.1145	192.8	.1269
Ti3372	-.2545	-.3925	-.2465	-.9317	-.3061	-.2123	197.7	-.1738
B_2089	126.6	126.1	123.1	122.4	122.7	23.05	192.4	-1.894
Si2881A	63.72	46.34	70.72	43.44	52.40	13.26	5013.	-4.365
Si2881R	69.97	39.99	69.24	60.18	51.47	9.255	5063.	8.196
Sn1899	1.372	.0826	.0233	.6658	.8452	1.130	201.7	.9223
Sr3464	245.0	243.4	239.8	242.0	241.9	50.03	205.8	.0517
Y_2243-A	24765.	24744.	24616.	23968.	24114.	25309.	25192.	25118.
Y_3203-A	41394.	40751.	40638.	40193.	40443.	42927.	43034.	44059.
Y_3600-R	17557.	17461.	17336.	15518.	16851.	17965.	19130.	19368.

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	PBW-2 B19P12	LCSW-3 B19P12	LCSW-4 B19P12	AN03609 X20	AN03610 X20	AN03611 X20	AN03612 X20	AN03613 X20
	16 Aug 2011 16:23:43	16 Aug 2011 16:28:37	16 Aug 2011 16:33:21	16 Aug 2011 16:38:04	16 Aug 2011 16:43:06	16 Aug 2011 16:48:08	16 Aug 2011 16:53:09	16 Aug 2011 16:58:11
Ag3280	.2591	207.0	215.5	.4236	-.1879	-.1397	-.1831	-.7658
Al3961A	-5.112	5040.	5171.	-10.53	-7.487	-10.58	5.800	-10.54
Al3961R	1.147	5084.	5081.	-3.617	-11.06	7.876	8.593	-6.739
As1890	.6422	215.3	213.2	-1.668	1.331	-.0061	2.847	1.125
Ba4554R	1.004	214.3	217.0	2.295	2.722	2.976	2.915	2.682
Be3131R	.3882	197.8	199.5	.5560	.6938	.8060	.3251	.4714
Ca3179R	.3300	5430.	5427.	12930.	12740.	13050.	12800.	13020.
Cd2265	-.0190	218.8	217.6	.0407	.0801	-.0283	-.1709	-.0420
Co2286	-.1489	209.7	209.7	-.0550	-.2599	-.0387	-.3647	.1652
Cr2677	-.2907	217.6	224.1	-.2518	-.2552	-.8129	.0627	-.4563
Cu3247	.8213	210.9	216.1	1.241	1.820	1.611	1.505	2.037
Fe2599A	-6.550	5244.	5329.	-7.177	-3.219	-8.164	30.68	-8.013
Fe2599R	-2.912	5181.	5156.	-3.805	-2.712	-6.551	29.53	-4.285
K_7664R	-127.3	4867.	4791.	12080.	11870.	12250.	11930.	12120.
Mg2790R	-3.045	5358.	5295.	39830.	39400.	40580.	39170.	39840.
Mn2576	-.1316	216.3	221.1	3.169	3.189	3.078	4.721	3.399
Na5895R	196.1	5411.	5372.	312400.	308000.	316500.	310200.	310000.
Ni2316	.2249	209.2	210.5	1.027	-.0588	.5874	1.025	.2892
Pb2203	-.0578	217.1	219.8	.7739	.5831	1.169	2.745	.9457
Sb2068	-.7371	199.8	203.6	.6052	-.0789	-.3475	2.046	-1.251
Se1960	1.064	216.2	213.6	2.869	.7218	4.872	4.623	6.222
Tl1908	-.2544	206.7	207.5	-.3444	-2.277	-1.893	-2.280	-2.401
V_2924	-.3868	211.7	218.5	-.6203	-.6974	-.5946	-.7578	-.2061
Zn2062	-.2138	226.1	225.4	.8723	.6119	.6222	1.526	.3955
Mo2020	.0663	201.7	204.3	.7501	.1455	.5676	.0246	.5138
Ti3372	-.5335	210.0	213.9	-.6512	-.3697	-.8071	-.1260	-.3560
B_2089	-.8931	199.9	197.6	123.4	122.4	123.7	122.7	123.0
Si2881A	-.7736	4132.	4215.	43.36	50.93	41.28	83.18	41.10
Si2881R	-9.785	4219.	4237.	35.13	58.56	35.30	93.24	35.73
Sn1899	.8086	214.0	216.2	.3148	.5899	-.5511	1.337	.2872
Sr3464	.7826	216.3	220.2	240.2	235.9	241.6	239.6	240.0
Y_2243-A	25795.	25938.	25881.	24922.	24661.	24272.	24630.	24966.
Y_3203-A	44837.	45373.	43457.	41711.	41671.	40812.	40707.	41510.
Y_3600-R	18923.	19209.	18741.	17508.	16967.	15996.	16742.	16916.

SUMMARY - VERTICAL REPORT

	AN03614 X20	AN03614 X100	CCV	CCB	AN03615 X20	AN03616 X20	AN03617 X20	AN03618 X20
	16 Aug 2011 17:03:13	16 Aug 2011 17:08:15	16 Aug 2011 17:13:08	16 Aug 2011 17:17:51	16 Aug 2011 17:22:46	16 Aug 2011 17:27:48	16 Aug 2011 17:32:50	16 Aug 2011 17:37:54
Ag3280	.3655	.1945	193.2	-.0758	.0743	-.1665	-.2202	-.1613
Al3961A	-3.786	-3.999	4916.	-5.487	-10.73	-2.265	-11.43	-3.703
Al3961R	10.09	7.762	4879.	10.67	-7.632	5.137	-11.01	-4.379
As1890	4.526	.4147	197.3	1.537	-2.040	.9890	1.801	2.127
Ba4554R	3.013	1.898	198.5	.8536	2.333	2.690	2.287	2.418
Be3131R	.1713	.1561	177.9	.5068	.2500	.4513	.7647	.1756
Ca3179R	12760.	2647.	5155.	-6.122	12980.	13020.	12770.	13560.
Cd2265	.0824	-.0644	208.1	-.0661	-.0236	.0908	-.1139	.0067
Co2286	-.0912	-.1394	193.1	-.0287	-.3668	-.4205	-.1725	-.4053
Cr2677	-.3004	-1.441	211.6	-.2750	.2683	.6260	.0137	-.4928
Cu3247	2.289	1.256	208.2	.6587	1.259	1.168	1.022	.8095
Fe2599A	7.493	-5.280	5002.	-8.320	-8.080	10.43	-7.470	12.79
Fe2599R	11.10	-2.504	4926.	-6.711	-5.004	13.83	-3.937	10.39
K_7664R	11900.	2256.	4960.	-142.5	12180.	12150.	11960.	12720.
Mg2790R	39050.	8074.	5151.	.9304	39780.	40040.	39390.	41520.
Mn2576	3.899	.5935	206.5	-.1072	3.318	3.920	3.121	3.959
Na5895R	315200.	65690.	5449.	294.0	314300.	316700.	304300.	327700.
Ni2316	.0600	.4543	196.5	-.0237	.7229	.4050	.2109	.7369
Pb2203	.9745	-.3188	205.5	1.314	.0430	.6496	1.020	-.3639
Sb2068	2.174	.9400	189.7	-2.156	3.477	2.427	-2.509	-.4560
Se1960	3.594	.5868	203.0	6.243	4.221	4.002	2.739	2.979
Tl1908	-2.219	-1.418	195.2	.1024	-.9674	-1.699	-2.245	-1.770
V_2924	-.8681	-.9590	199.2	-.4364	-.4545	-.6678	-.3697	-.4385
Zn2062	1.034	-.0597	209.5	-.5015	.6011	1.192	.4967	.7747
Mo2020	.4507	-.0398	191.5	.1098	.2760	.1562	.3082	.7363
Ti3372	-.2334	-.2648	195.9	-.2645	-.5607	-.3519	-.9317	-.3468
B_2089	121.4	24.35	191.8	-3.030	126.6	126.6	126.2	129.5
Si2881A	56.90	16.73	5018.	-5.791	42.19	57.58	40.01	60.50
Si2881R	69.86	34.36	5090.	4.410	58.04	62.89	36.27	71.58
Sn1899	1.572	.1122	205.2	.8022	.4287	.7476	.6427	1.595
Sr3464	237.0	48.82	207.5	.0832	238.6	240.8	242.5	249.4
Y_2243-A	24395.	24820.	25489.	25042.	24691.	24485.	24578.	24432.
Y_3203-A	40613.	41654.	42901.	44096.	42093.	41198.	41775.	41565.
Y_3600-R	16354.	16493.	17787.	19361.	18234.	16985.	17519.	17090.

SUMMARY - VERTICAL REPORT

	AN03619 X20	AN03619 X50	AN03620	AN03621	AN03622	CCV	CCB
	16 Aug 2011 17:42:56	16 Aug 2011 17:47:58	16 Aug 2011 17:52:52	16 Aug 2011 17:57:52	16 Aug 2011 18:02:48	16 Aug 2011 18:07:43	16 Aug 2011 18:12:26
Ag3280	.2808	.4427	.0032	-.1046	.2149	184.9	.1930
Al3961A	-10.56	-8.799	623.3	8.347	-5.948	4642.	-6.502
Al3961R	-20.26	5.338	616.0	6.846	1.722	4857.	16.77
As1890	6.538	1.653	5.323	1.522	-.9692	204.1	3.186
Ba4554R	2.825	1.767	32.40	1.115	.5798	197.9	.3041
Be3131R	.4163	.3178	.5919	.2762	.4422	175.7	.5773
Ca3179R	13040.	5488.	6827.	48.95	2.843	5200.	-1.934
Cd2265	.0091	-.0424	.3107	.0263	-.1270	210.8	.0004
Co2286	-.2627	-.4022	2.466	-.3386	-.3728	193.6	-.1335
Cr2677	-.1839	-.5182	19.22	.0596	-.1370	203.4	-.5748
Cu3247	.6674	1.237	23.05	7.517	.3998	204.9	.2971
Fe2599A	-7.738	-8.422	17400.	10.42	-8.410	4775.	-8.116
Fe2599R	-6.348	-5.220	17150.	12.54	-4.570	4811.	-3.178
K_7664R	12220.	4960.	332.3	-114.6	-63.63	4930.	-152.2
Mg2790R	40100.	16850.	1500.	-.2312	-27.66	5172.	-11.58
Mn2576	2.952	1.196	373.4	.1803	-.0968	199.1	-.1534
Na5895R	323000.	134700.	1183.	367.4	292.4	5158.	205.3
Ni2316	.2694	.6778	21.85	1.589	.0717	195.3	-.0497
Pb2203	-.8531	.9633	1836.	-.1084	1.362	201.8	.3162
Sb2068	-1.157	2.228	-4.022	1.498	-.1507	187.4	1.433
Se1960	-1.491	-.5662	6.540	4.198	-.5913	201.0	-.4531
Tl1908	-2.008	-1.217	-3.524	-1.401	.8086	193.6	-.0723
V_2924	-.9264	-.5758	2.145	-.2167	-.4784	192.2	-.4099
Zn2062	.5966	.0752	53.51	10.94	.0623	210.0	-.4845
Mo2020	.2174	-.0160	4.060	.0339	-.1436	189.2	-.2352
Ti3372	-.6056	-.4920	20.84	.0724	-.3532	193.0	-.2450
B_2089	124.2	52.89	.2173	-1.397	-1.463	194.1	-1.996
Si2881A	37.63	14.21	1056.	11.33	1.264	4877.	-5.972
Si2881R	44.70	44.90	1055.	6.934	4.400	5109.	-9.612
Sn1899	1.811	.4197	1.633	8.309	.4815	203.8	-.1100
Sr3464	240.3	101.3	37.40	.3720	-.1938	201.3	.4544
Y_2243-A	24534.	25426.	25367.	25331.	25761.	25854.	25879.
Y_3203-A	41479.	43286.	43056.	44624.	44701.	46558.	46224.
Y_3600-R	16882.	17964.	17048.	19101.	20025.	18706.	19108.

SUMMARY - VERTICAL REPORT

	RL	2RL	IOS
	16 Aug 2011 18:17:20	16 Aug 2011 18:22:14	16 Aug 2011 18:27:07
Ag3280	5.055	9.798	-.8032
Al3961A	102.0	194.7	^F *****
Al3961R	85.30	230.0	304900.
As1890	9.805	16.72	-5.419
Ba4554R	100.5	200.2	.8407
Be3131R	3.275	5.779	.0321
Ca3179R	526.4	1050.	301500.
Cd2265	3.285	6.600	2.058
Co2286	20.12	40.12	-1.303
Cr2677	5.000	10.97	1.261
Cu3247	11.94	22.53	5.770
Fe2599A	42.22	92.81	^ *****
Fe2599R	47.04	92.47	284800.
K_7664R	367.4	866.9	2.675
Mg2790R	532.5	1054.	300700.
Mn2576	5.052	10.27	-.1288
Na5895R	1174.	2110.	290600.
Ni2316	19.67	38.80	-2.945
Pb2203	8.333	20.46	6.857
Sb2068	19.38	37.35	-13.55
Se1960	21.25	40.69	10.35
Tl1908	18.30	36.92	.5993
V_2924	19.69	38.81	-2.069
Zn2062	23.96	47.80	2.407
Mo2020	9.872	19.18	-1.964
Ti3372	9.796	19.57	1.456
B_2089	8.190	16.84	-2.528
Si2881A	502.7	988.4	-9.564
Si2881R	518.9	1050.	6.142
Sn1899	10.63	22.64	2.394
Sr3464	10.66	20.86	1.868
Y_2243-A	25422.	25155.	23459.
Y_3203-A	45737.	46068.	43510.
Y_3600-R	19323.	18589.	18514.

Sample Name: Blank Acquired: 8/16/2011 13:44:03 Type: Cal
Method: PROMIUM(v17) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0005**	**.0124**	**.0016**	**.0001**	**.0079**	**.0001**	**.0067**	**.0000**	**.0001**	**-.0002**	**.0106**
Stddev	.0003	.0005	.0003	.0001	.0008	.0002	.0005	.0003	.0001	.0000	.0003
%RSD	58.30	3.680	21.15	190.1	10.64	148.3	6.843	927.1	72.43	18.43	2.941
#1	-.0008	.0120	.0013	-.0001	.0078	.0003	.0062	-.0001	.0001	-.0002	.0102
#2	-.0006	.0124	.0017	.0002	.0071	.0002	.0068	.0003	.0002	-.0001	.0108
#3	-.0002	.0129	.0020	.0001	.0088	-.0001	.0071	-.0001	.0001	-.0002	.0107

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0057**	**.0007**	**-.0114**	**.0004**	**.0008**	**.0182**	**.0000**	**.0002**	**.0000**	**.0002**	**-.0001**
Stddev	.0002	.0001	.0010	.0000	.0001	.0012	.000	.0001	.000	.0000	.0000
%RSD	3.227	13.59	8.863	13.50	12.24	6.504	399.9	57.67	556.3	7.928	22.59
#1	.0057	.0008	-.0124	.0003	.0009	.0173	.0000	.0002	-.0002	.0002	-.0001
#2	.0055	.0006	-.0114	.0004	.0007	.0196	.0000	.0001	-.0001	.0002	-.0002
#3	.0059	.0008	-.0104	.0003	.0007	.0178	-.0001	.0004	.0002	.0002	-.0001

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0001**	**.0011**	**.0000**	**-.0009**	**.0000**	**.0069**	**.0006**	**-.0008**	**.0001**
Stddev	.0005	.0001	.000	.0006	.0000	.0001	.0004	.0002	.0000
%RSD	378.2	4.796	534.2	58.99	160.8	1.598	61.60	22.79	74.04
#1	-.0002	.0010	.0001	-.0014	.0000	.0070	.0002	-.0008	.0001
#2	-.0006	.0011	-.0003	-.0003	.0000	.0068	.0007	-.0006	.0001
#3	.0004	.0010	.0000	-.0011	.0000	.0068	.0010	-.0010	.0000

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24059.**	**44056.**	**22446.**
Stddev	197.	217.	202.
%RSD	.81991	.49315	.89933
#1	23841.	44226.	22305.
#2	24112.	43811.	22355.
#3	24225.	44130.	22677.

Sample Name: MID STD Acquired: 8/16/2011 13:48:57 Type: Cal
Method: PROMIUM(v17) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3882**	**3.478**	**.2197**	**.1660**	**10.94**	**6.039**	**.6337**	**6.872**	**2.195**	**1.288**	**4.188**
Stddev	.0020	.013	.0006	.0005	.02	.024	.0012	.010	.001	.009	.010
%RSD	.5072	.3809	.2708	.3153	.2143	.3899	.1963	.1519	.0611	.6761	.2446
#1	.3863	3.463	.2193	.1654	10.93	6.040	.6340	6.870	2.196	1.278	4.200
#2	.3882	3.488	.2204	.1664	10.92	6.016	.6324	6.883	2.195	1.292	4.181
#3	.3903	3.484	.2196	.1662	10.97	6.063	.6348	6.863	2.193	1.294	4.183

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.782**	**.4119**	**.1171**	**.0729**	**17.05**	**.4430**	**1.193**	**.5166**	**.2901**	**.1363**	**.2541**
Stddev	.020	.0015	.0006	.0003	.28	.0033	.001	.0016	.0005	.0000	.0004
%RSD	.7158	.3669	.4707	.4218	1.622	.7438	.1089	.3037	.1686	.0316	.1423
#1	2.761	.4104	.1173	.0727	17.00	.4397	1.194	.5168	.2899	.1363	.2537
#2	2.783	.4119	.1175	.0727	17.35	.4430	1.193	.5180	.2897	.1364	.2542
#3	2.801	.4134	.1164	.0732	16.81	.4463	1.191	.5149	.2907	.1363	.2544

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.681**	**2.884**	**1.514**	**10.22**	**.7241**	**.7349**	**.1120**	**2.915**	**.4208**
Stddev	.018	.011	.001	.15	.0029	.0016	.0004	.015	.0008
%RSD	.5013	.3663	.0453	1.484	.4062	.2200	.3869	.5219	.1906
#1	3.661	2.883	1.514	10.39	.7234	.7331	.1123	2.898	.4209
#2	3.683	2.895	1.514	10.09	.7216	.7360	.1115	2.924	.4216
#3	3.697	2.874	1.515	10.18	.7273	.7358	.1121	2.925	.4200

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24490.**	**43954.**	**21271.**
Stddev	33.	41.	180.
%RSD	.13447	.09407	.84756
#1	24463.	43958.	21348.
#2	24480.	43993.	21401.
#3	24527.	43910.	21065.

Sample Name: HIGH STD Acquired: 8/16/2011 13:53:52 Type: Cal
Method: PROMIUM(v17) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7835**	**6.983**	**.4376**	**.3362**	**21.61**	**12.23**	**1.249**	**13.27**	**4.400**	**2.563**	**8.129**
Stddev	.0044	.047	.0015	.0009	.33	.29	.000	.14	.009	.008	.150
%RSD	.5666	.6672	.3375	.2553	1.506	2.385	.0160	1.039	.2041	.3250	1.845
#1	.7867	7.015	.4388	.3364	21.43	11.91	1.249	13.43	4.410	2.570	8.178
#2	.7853	7.004	.4381	.3353	21.41	12.29	1.248	13.23	4.393	2.566	8.249
#3	.7784	6.929	.4360	.3369	21.98	12.48	1.248	13.16	4.398	2.554	7.961

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.507**	**.8232**	**.2454**	**.1434**	**33.62**	**.8645**	**2.380**	**1.026**	**.5888**	**.2733**	**.5073**
Stddev	.018	.0078	.0012	.0009	.57	.0045	.007	.003	.0023	.0008	.0018
%RSD	.3192	.9490	.4811	.6217	1.690	.5176	.2824	.2930	.3876	.2944	.3456
#1	5.517	.8305	.2467	.1442	34.01	.8691	2.388	1.029	.5913	.2741	.5092
#2	5.516	.8239	.2449	.1435	33.89	.8644	2.376	1.025	.5869	.2725	.5057
#3	5.487	.8150	.2445	.1424	32.97	.8602	2.377	1.023	.5881	.2733	.5072

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.340**	**5.697**	**3.072**	**20.54**	**1.472**	**1.465**	**.2215**	**5.821**	**.8288**
Stddev	.135	.010	.009	.23	.004	.008	.0006	.013	.0012
%RSD	1.839	.1738	.2919	1.104	.2869	.5673	.2804	.2244	.1391
#1	7.339	5.697	3.082	20.77	1.475	1.471	.2222	5.834	.8300
#2	7.475	5.687	3.065	20.52	1.467	1.468	.2215	5.821	.8277
#3	7.205	5.706	3.070	20.32	1.473	1.455	.2210	5.808	.8286

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23931.**	**43694.**	**21631.**
Stddev	207.	410.	196.
%RSD	.86297	.93790	.90669
#1	23693.	43509.	21613.
#2	24043.	43408.	21444.
#3	24058.	44163.	21835.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000529	0.000783	0.000000	1.000000	0.999992	0.150270	0.450810	1.502701
Al 396.152 { 85}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.012431	0.000682	0.000000	1.000000	0.999997	0.328686	0.986058	3.286859
Al 396.152 { 85}2	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.001650	0.000042	0.000000	1.000000	1.000000	0.032311	0.096932	0.323106
As 189.042 {478}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000062	0.000033	0.000000	1.000000	0.999982	0.741465	2.224396	7.414653
Ba 455.403 { 74}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.007944	0.002169	0.000000	1.000000	0.999984	0.693135	2.079405	6.931351
Be 313.107 {108}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000098	0.001217	0.000000	1.000000	0.999984	0.703338	2.110014	7.033381
Ca 317.933 {106}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.006737	0.000124	0.000000	1.000000	0.999989	0.567690	1.703071	5.676902
Cd 226.502 {449}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000106	0.001343	0.000000	1.000000	0.999862	2.031335	6.094005	20.313349
Co 228.616 {447}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000123	0.000439	0.000000	1.000000	0.999999	0.142330	0.426990	1.423299
Cr 267.716 {126}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000165	0.000257	0.000000	1.000000	0.999997	0.299068	0.897204	2.990679
Cu 324.754 {104}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.010603	0.000822	0.000000	1.000000	0.999908	1.655960	4.967881	16.559604
Fe 259.940 {130}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.005702	0.000552	0.000000	1.000000	0.999991	0.529375	1.588126	5.293753
Fe 259.940 {130}2	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000749	0.000082	0.000000	1.000000	1.000000	0.008097	0.024291	0.080971
K 766.490 { 44}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.011366	0.000026	0.000000	1.000000	1.000000	0.027209	0.081628	0.272093
Mg 279.079 {121}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000362	0.000015	0.000000	1.000000	0.999977	0.812205	2.436614	8.122045
Mn 257.610 {131}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000831	0.003378	0.000000	1.000000	0.999977	0.823265	2.469796	8.232652
Na 589.592 { 57}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.018229	0.000085	0.000000	1.000000	0.999998	0.218409	0.655227	2.184091
Ni 231.604 {445}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000015	0.000238	0.000000	1.000000	1.000000	0.115367	0.346101	1.153669
Pb 220.353 {453}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000229	0.000103	0.000000	1.000000	0.999994	0.411313	1.233938	4.113128
Sb 206.833 {463}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000035	0.000059	0.000000	1.000000	0.999977	0.827564	2.482693	8.275644
Se 196.090 {472}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000167	0.000027	0.000000	1.000000	0.999999	0.174596	0.523789	1.745964
Tl 190.856 {477}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000137	0.000051	0.000000	1.000000	1.000000	0.112126	0.336377	1.121256
V 292.402 {115}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000129	0.000735	0.000000	1.000000	0.999999	0.167624	0.502871	1.676235
Zn 206.200 {463}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.001080	0.000572	0.000000	1.000000	0.999983	0.706286	2.118859	7.062862
Mo 202.030 {467}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000044	0.000306	0.000000	1.000000	0.999977	0.828915	2.486745	8.289151
Ti 337.280 {100}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000958	0.002051	0.000000	1.000000	0.999997	0.273848	0.821543	2.738477
B 208.959 {461}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000013	0.000139	0.000000	1.000000	0.999972	0.969642	2.908926	9.696421
Si 288.158 {117}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.006887	0.000145	0.000000	1.000000	1.000000	0.076044	0.228133	0.760443
Si 288.158 {117}2	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000613	0.000022	0.000000	1.000000	0.999993	0.466351	1.399052	4.663508
Sr 346.446 { 97}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	-0.000827	0.000583	0.000000	1.000000	1.000000	0.107915	0.323745	1.079151
Sn 189.989 {477}	8/16/2011 13:59:32	8/16/2011 13:59:32	Linear	1/Conc	0.000053	0.000083	0.000000	1.000000	0.999974	0.886229	2.658688	8.862293
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/16/2011 13:59:39 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**192.5**	**4721.**	**4842.**	**197.3**	**198.8**	**194.0**	**5050.**	**202.8**	**194.7**	**202.8**	**214.3**
Stddev	2.2	43.	53.	3.7	1.5	.3	50.	1.0	.5	.5	3.6
%RSD	1.122	.9057	1.105	1.891	.7727	.1705	.9884	.4841	.2522	.2232	1.689
#1	194.9	4766.	4881.	197.2	200.4	193.6	5094.	202.7	195.1	203.2	218.2
#2	192.2	4714.	4864.	201.1	198.8	194.3	5060.	203.8	194.8	202.8	213.8
#3	190.6	4681.	4781.	193.7	197.3	194.1	4995.	201.9	194.1	202.3	211.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4915.**	**4986.**	**5079.**	**5012.**	**203.5**	**4969.**	**196.2**	**195.9**	**194.0**	**196.8**	**198.3**
Stddev	14.	24.	26.	35.	.4	11.	.1	1.9	3.2	4.1	1.1
%RSD	.2898	.4739	.5192	.6894	.2140	.2271	.0514	.9849	1.641	2.097	.5371
#1	4929.	4959.	5074.	5003.	204.0	4978.	196.3	196.0	196.3	197.3	197.3
#2	4901.	4997.	5055.	5050.	203.1	4972.	196.1	197.8	195.3	192.4	198.1
#3	4914.	5003.	5107.	4983.	203.5	4956.	196.2	193.9	190.3	200.7	199.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**195.5**	**196.4**	**198.7**	**199.0**	**211.2**	**4957.**	**5001.**	**199.5**	**198.5**
Stddev	2.0	.6	.7	1.6	1.2	55.	31.	.9	.8
%RSD	1.016	.3150	.3376	.8159	.5907	1.105	.6272	.4620	.4004
#1	197.2	196.2	199.1	200.7	212.6	5010.	5037.	200.2	198.7
#2	195.9	197.1	199.0	199.0	210.1	4960.	4983.	199.9	199.1
#3	193.3	196.0	197.9	197.4	211.0	4901.	4983.	198.4	197.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24540.**	**44871.**	**22066.**
Stddev	29.	416.	132.
%RSD	.11701	.92713	.60034
#1	24507.	44963.	21915.
#2	24559.	44417.	22163.
#3	24554.	45233.	22120.

Sample Name: ICB Acquired: 8/16/2011 14:04:27 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3892	-5.224	17.47	2.717	.5568	.8790	-3.780	.2742	.2863	.2434	1.174
Stddev	.3671	.144	36.09	1.972	.2708	.0647	4.521	.0491	.1302	.5282	.220
%RSD	94.31	2.762	206.6	72.60	48.63	7.356	119.6	17.91	45.49	217.0	18.73
#1	-.7430	-5.126	-.9119	2.056	.7777	.9444	-5.814	.3298	.2989	.3103	1.159
#2	-.4145	-5.156	59.05	1.160	.2547	.8152	-6.927	.2366	.4098	.7349	1.402
#3	-.0102	-5.390	-5.736	4.935	.6380	.8773	1.401	.2562	.1502	-.3150	.9625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.187	-3.060	-54.29	-8.199	.4302	-34.60	.2457	.7466	-.5703	.7712	1.155
Stddev	.132	3.897	43.61	21.26	.0680	6.31	.0879	.7968	5.119	2.709	1.617
%RSD	2.140	127.4	80.33	259.3	15.82	18.23	35.78	106.7	897.6	351.3	140.0
#1	-6.035	-3.725	-103.0	-11.92	.3559	-36.92	.1789	-.1184	-3.900	-2.318	-.6900
#2	-6.273	-6.582	-18.76	14.68	.4453	-39.42	.2129	1.451	5.324	2.742	2.328
#3	-6.253	1.127	-41.15	-27.35	.4895	-27.46	.3453	.9074	-3.135	1.890	1.827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0808	.1534	1.066	.0418	2.467	.8930	5.189	-.1637	.9818
Stddev	.2348	.1014	.132	.2477	.256	.7140	15.09	.1404	1.156
%RSD	290.4	66.12	12.43	592.0	10.38	79.96	290.8	85.76	117.7
#1	.1043	.1107	1.116	.3278	2.327	.2886	-11.48	-.0830	-.2690
#2	-.3449	.2693	1.166	-.0940	2.762	1.681	17.92	-.3258	1.205
#3	-.0020	.0803	.9155	-.1082	2.311	.7096	9.127	-.0823	2.010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24797.	44951.	21360.
Stddev	337.	202.	380.
%RSD	1.3604	.44909	1.7813
#1	25161.	45138.	21788.
#2	24735.	44737.	21228.
#3	24495.	44978.	21062.

Sample Name: RL Acquired: 8/16/2011 14:09:22 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.812**	**102.4**	**126.0**	**6.281**	**100.7**	**3.351**	**510.4**	**3.106**	**19.84**	**5.131**	**11.43**
Stddev	.366	.5	16.5	4.830	.2	.331	3.2	.099	.50	.239	.80
%RSD	7.610	.4448	13.06	76.89	.1951	9.883	.6333	3.170	2.544	4.655	7.020
#1	4.735	102.7	134.2	11.28	100.8	3.693	506.7	3.214	19.76	5.277	11.66
#2	5.210	102.7	136.6	1.647	100.5	3.327	512.9	3.021	19.38	5.260	12.10
#3	4.490	101.9	107.0	5.912	100.8	3.032	511.5	3.082	20.38	4.855	10.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**45.56**	**45.88**	**438.3**	**505.8**	**5.398**	**947.4**	**19.85**	**8.522**	**20.63**	**20.80**	**20.22**
Stddev	.92	1.28	62.8	12.6	.036	4.7	.34	2.581	2.12	2.48	1.73
%RSD	2.019	2.792	14.32	2.498	.6720	.4936	1.735	30.29	10.26	11.94	8.543
#1	44.52	47.17	504.8	500.2	5.377	942.7	19.87	5.706	22.15	23.19	21.19
#2	46.24	45.88	380.1	520.3	5.378	947.3	20.19	10.78	18.22	18.23	18.23
#3	45.93	44.61	430.0	497.0	5.440	952.1	19.50	9.085	21.53	20.97	21.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.47**	**22.66**	**10.63**	**9.990**	**10.09**	**509.8**	**527.9**	**11.10**	**10.80**
Stddev	.30	.04	.42	.043	.49	7.1	14.4	.79	.67
%RSD	1.539	.1716	3.978	.4359	4.823	1.395	2.718	7.097	6.184
#1	19.81	22.69	10.49	10.02	10.24	516.1	541.8	11.98	10.20
#2	19.38	22.68	10.29	9.940	9.541	511.1	528.9	10.45	11.52
#3	19.23	22.62	11.10	10.01	10.48	502.1	513.1	10.87	10.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24873.**	**44486.**	**20662.**
Stddev	184.	400.	459.
%RSD	.73859	.89884	2.2223
#1	24689.	44901.	20963.
#2	24872.	44454.	20890.
#3	25057.	44103.	20134.

Sample Name: 2RL Acquired: 8/16/2011 14:14:16 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.33**	**205.5**	**209.1**	**18.65**	**204.1**	**6.359**	**1042.**	**6.317**	**40.39**	**10.78**	**22.92**
Stddev	.67	1.2	7.6	2.63	.6	.270	5.	.065	.27	.43	.16
%RSD	6.442	.6066	3.644	14.11	.2828	4.252	.4431	1.021	.6652	3.960	.6935
#1	11.07	206.1	200.9	19.87	204.7	6.047	1042.	6.360	40.41	11.24	23.09
#2	10.11	204.1	210.7	15.63	203.5	6.498	1038.	6.348	40.64	10.69	22.77
#3	9.800	206.3	215.9	20.45	204.1	6.531	1047.	6.242	40.11	10.40	22.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**99.45**	**100.0**	**932.9**	**1025.**	**10.68**	**1988.**	**39.65**	**16.10**	**38.70**	**40.18**	**40.25**
Stddev	.80	2.0	100.4	10.	.06	9.	.21	2.09	3.92	3.13	.10
%RSD	.8004	1.988	10.76	.9988	.5697	.4613	.5402	12.98	10.14	7.785	.2595
#1	99.74	98.23	957.3	1033.	10.72	1978.	39.84	13.95	37.94	40.35	40.13
#2	100.1	102.2	1019.	1013.	10.70	1991.	39.42	16.21	42.95	43.21	40.34
#3	98.55	99.71	822.5	1029.	10.61	1996.	39.68	18.13	35.21	36.97	40.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.20**	**45.49**	**20.29**	**20.64**	**20.71**	**1029.**	**1036.**	**20.86**	**22.42**
Stddev	.34	.32	.37	.25	1.35	5.	19.	.76	.48
%RSD	.8412	.7000	1.821	1.196	6.510	.4448	1.807	3.642	2.127
#1	40.53	45.51	19.86	20.65	21.18	1028.	1021.	21.02	22.48
#2	39.86	45.79	20.48	20.89	21.76	1025.	1029.	21.52	22.87
#3	40.22	45.16	20.53	20.40	19.19	1034.	1057.	20.03	21.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24672.**	**43367.**	**19965.**
Stddev	338.	1004.	294.
%RSD	1.3702	2.3157	1.4743
#1	24284.	42350.	20013.
#2	24830.	44358.	20232.
#3	24902.	43393.	19649.

Sample Name: IOS Acquired: 8/16/2011 14:19:10 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.083	^F *****	307600.	-7.641	.3384	.1138	293500.	1.678	-1.131	1.296	4.518
Stddev	.114	-----	831.	7.250	.2022	.2705	6405.	.202	.211	.205	.526
%RSD	10.50	-----	.2700	94.89	59.75	237.7	2.182	12.04	18.64	15.83	11.64
#1	-.9857	^ -----	308200.	-16.00	.4711	.3577	300600.	1.445	-1.258	1.165	3.933
#2	-1.208	^ -----	306700.	-3.792	.4383	.1610	291600.	1.801	-.8874	1.533	4.667
#3	-1.055	^ -----	308100.	-3.126	.1057	-.1772	288200.	1.788	-1.247	1.191	4.953
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	289300.	-61.74	292600.	.0646	295400.	-1.726	-5.898	-19.45	12.41	1.600
Stddev	-----	7021.	30.47	964.	.0610	7477.	.322	.579	1.03	4.48	2.118
%RSD	-----	2.427	49.35	.3293	94.44	2.531	18.68	9.816	5.286	36.12	132.4
#1	^ -----	297300.	-91.80	293300.	.1243	301100.	-1.356	-5.251	-19.88	16.58	4.000
#2	^ -----	284300.	-62.53	291500.	.0024	298200.	-1.947	-6.074	-18.27	7.667	-.0070
#3	^ -----	286200.	-30.88	293100.	.0669	287000.	-1.875	-6.369	-20.19	12.99	.8076
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.445	2.197	-1.818	1.817	-1.138	-7.011	20.69	2.087	1.549
Stddev	.236	.128	.878	.078	.431	2.983	1.54	.307	1.307
%RSD	16.37	5.837	48.28	4.277	37.89	42.54	7.456	14.71	84.39
#1	-1.172	2.055	-2.473	1.728	-1.636	-6.350	19.57	1.887	1.391
#2	-1.591	2.305	-.8207	1.856	-.9062	-4.414	22.45	1.934	2.928
#3	-1.572	2.231	-2.161	1.868	-.8725	-10.27	20.05	2.441	.3278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	22864.	41320.	20745.
Stddev	100.	177.	492.
%RSD	.43943	.42759	2.3697
#1	22751.	41180.	20178.
#2	22941.	41519.	21054.
#3	22902.	41262.	21003.

Sample Name: PBW-1 B19 P12 Acquired: 8/16/2011 14:24:36 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0444	4.664	10.14	.6519	-.0409	.7999	8.985	-.0551	-.1772	.0398	.8798
Stddev	.4172	2.910	30.89	2.906	.3819	.0485	2.955	.0626	.3526	.4168	.3140
%RSD	940.2	62.39	304.6	445.8	934.2	6.060	32.89	113.7	199.0	1047.	35.69
#1	.1822	8.022	44.07	.5510	-.4808	.7442	11.95	-.0561	.1433	.4768	1.234
#2	-.4243	3.079	2.703	3.607	.2050	.8323	8.962	.0081	-.1200	-.3533	.6372
#3	.3752	2.891	-16.35	-2.202	.1532	.8232	6.042	-.1172	-.5548	-.0041	.7677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.551	9.423	-135.0	-7.185	-.1819	149.2	-.0322	.0978	.1712	3.926	-1.513
Stddev	2.175	1.922	57.1	7.400	.0219	38.8	.1844	2.763	1.498	4.184	.359
%RSD	28.80	20.40	42.26	103.0	12.01	25.97	573.3	2826.	875.1	106.6	23.72
#1	10.04	10.61	-163.2	.7961	-.1993	193.9	.1232	.7010	-.1901	-.2680	-1.757
#2	6.599	7.205	-69.36	-8.533	-.1891	129.9	-.2359	2.509	-1.113	3.946	-1.682
#3	6.015	10.46	-172.5	-13.82	-.1574	124.0	.0162	-2.917	1.817	8.101	-1.101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3993	-.1685	.2943	-.1703	-1.801	-2.024	1.342	.7421	.5752
Stddev	.6550	.0584	.1258	.1277	1.143	1.019	10.86	.4573	.7771
%RSD	164.0	34.65	42.76	75.00	63.46	50.35	809.3	61.63	135.1
#1	.2106	-.1480	.4396	-.2948	-.7765	-2.638	5.754	.6397	1.209
#2	-1.092	-.1231	.2186	-.0395	-3.033	-2.586	9.298	.3447	.8085
#3	-.3169	-.2344	.2247	-.1766	-1.592	-.8476	-11.03	1.242	-.2918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25237.	45738.	20708.
Stddev	446.	426.	272.
%RSD	1.7664	.93049	1.3150
#1	25214.	45248.	20393.
#2	24803.	45957.	20866.
#3	25693.	46010.	20864.

Sample Name: LCSW-1 B19P12 Acquired: 8/16/2011 14:29:30 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**205.4**	**4987.**	**5105.**	**215.5**	**214.0**	**198.9**	**5436.**	**218.5**	**209.6**	**214.3**	**212.2**
Stddev	1.9	56.	34.	.8	1.9	.8	47.	.4	.2	.2	1.9
%RSD	.9066	1.115	.6713	.3824	.8736	.3861	.8641	.2040	.0786	.1040	.8781
#1	205.9	5000.	5116.	215.4	214.8	198.3	5451.	218.0	209.7	214.3	212.1
#2	203.3	4927.	5131.	214.7	215.3	199.8	5473.	218.5	209.4	214.1	210.4
#3	207.0	5036.	5066.	216.3	211.8	198.7	5383.	218.9	209.6	214.5	214.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5150.**	**5141.**	**4825.**	**5357.**	**212.2**	**5267.**	**207.8**	**214.2**	**200.6**	**207.1**	**206.7**
Stddev	24.	20.	74.	28.	.6	19.	1.3	1.8	3.7	2.6	1.6
%RSD	.4604	.3871	1.534	.5215	.2714	.3609	.6143	.8299	1.866	1.254	.7641
#1	5141.	5135.	4740.	5325.	211.9	5263.	208.7	212.5	203.2	208.7	205.0
#2	5177.	5163.	4867.	5378.	212.8	5288.	206.3	216.0	202.3	208.5	208.0
#3	5132.	5125.	4869.	5366.	211.8	5250.	208.2	214.3	196.3	204.1	207.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**210.1**	**222.1**	**202.9**	**210.2**	**203.2**	**4347.**	**4354.**	**212.9**	**210.5**
Stddev	1.5	.8	.5	.6	1.5	104.	138.	.3	.1
%RSD	.7268	.3595	.2535	.2856	.7228	2.384	3.162	.1625	.0643
#1	210.2	221.2	202.3	210.8	204.4	4302.	4329.	212.7	210.5
#2	208.5	222.3	202.9	209.6	201.6	4274.	4503.	212.8	210.4
#3	211.5	222.8	203.3	210.3	203.6	4466.	4231.	213.3	210.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25547.**	**45278.**	**19574.**
Stddev	123.	410.	342.
%RSD	.48218	.90659	1.7466
#1	25553.	45057.	19759.
#2	25421.	45751.	19179.
#3	25667.	45025.	19783.

Sample Name: LCSW-2 B19P12 Acquired: 8/16/2011 14:34:13 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**205.5**	**4952.**	**4982.**	**215.0**	**211.9**	**198.8**	**5356.**	**219.9**	**209.5**	**215.2**	**212.6**
Stddev	2.1	47.	50.	3.1	2.3	1.1	68.	1.2	.4	1.7	.6
%RSD	1.045	.9422	.9970	1.461	1.094	.5375	1.276	.5600	.2048	.8044	.2647
#1	206.3	4959.	4929.	213.6	209.5	197.7	5291.	220.7	209.8	214.8	212.2
#2	203.1	4902.	4991.	218.6	212.1	199.0	5349.	220.5	209.5	213.7	212.3
#3	207.1	4995.	5027.	212.8	214.1	199.8	5427.	218.5	209.0	217.1	213.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5090.**	**5084.**	**4732.**	**5300.**	**212.8**	**5182.**	**208.4**	**213.9**	**199.5**	**210.7**	**206.7**
Stddev	26.	21.	84.	38.	1.0	13.	.6	1.0	3.6	5.9	2.3
%RSD	.5142	.4051	1.777	.7082	.4472	.2525	.3088	.4443	1.808	2.817	1.126
#1	5110.	5073.	4768.	5261.	213.6	5170.	209.0	214.6	203.6	215.5	205.2
#2	5060.	5107.	4636.	5301.	211.8	5182.	207.8	212.8	197.2	212.6	205.4
#3	5099.	5071.	4793.	5337.	213.1	5196.	208.4	214.2	197.5	204.1	209.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**211.1**	**224.2**	**202.8**	**210.3**	**201.3**	**4149.**	**4235.**	**214.6**	**211.7**
Stddev	.1	1.0	1.0	.5	1.8	53.	8.	1.2	1.0
%RSD	.0506	.4272	.5129	.2604	.9171	1.271	.1792	.5719	.4890
#1	211.2	224.8	203.2	210.4	199.8	4115.	4243.	215.8	212.8
#2	211.0	224.7	201.7	209.7	200.9	4123.	4227.	213.4	210.8
#3	211.1	223.1	203.7	210.8	203.4	4210.	4235.	214.5	211.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25313.**	**44608.**	**19173.**
Stddev	146.	362.	344.
%RSD	.57753	.81190	1.7931
#1	25144.	44378.	19103.
#2	25396.	45026.	18869.
#3	25399.	44421.	19546.

Sample Name: AN03594 X20 Acquired: 8/16/2011 14:38:57 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5628	-6.544	1.017	.6146	2.074	.3921	13600.	.0546	-.3238	-.2859	1.459
Stddev	.6718	1.056	12.44	1.987	.343	.2697	79.	.2029	.1188	.1411	.377
%RSD	119.4	16.14	1224.	323.3	16.54	68.78	.5795	371.7	36.68	49.35	25.87
#1	-.1818	-7.092	-6.010	2.522	2.118	.4768	13510.	.0075	-.4415	-.4052	1.850
#2	-.1682	-5.327	15.38	.7648	1.711	.6094	13670.	-.1206	-.3259	-.1302	1.430
#3	-1.338	-7.213	-6.320	-1.443	2.393	.0903	13620.	.2769	-.2040	-.3221	1.097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.280	13.11	12700.	41980.	3.754	328400.	.3907	-.2919	-1.564	3.850	-2.940
Stddev	.711	6.76	22.	172.	.101	6916.	.3596	3.245	5.783	2.002	.544
%RSD	11.32	51.61	.1744	.4103	2.701	2.106	92.05	1112.	369.8	51.99	18.49
#1	5.462	5.797	12670.	41790.	3.861	320500.	.1291	-.4561	-8.144	5.104	-3.073
#2	6.746	19.15	12700.	42020.	3.742	333500.	.8008	-3.452	.7409	1.542	-2.342
#3	6.633	14.38	12720.	42130.	3.659	331100.	.2421	3.032	2.711	4.904	-3.404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.032	1.439	.6805	-.4413	134.7	53.51	57.84	247.5	-.0080
Stddev	.275	.149	.4160	.1977	1.3	3.03	17.22	.8	.6077
%RSD	26.60	10.37	61.14	44.79	.9646	5.663	29.77	.3034	7612.
#1	-.9979	1.267	.8615	-.3451	136.1	52.35	74.35	247.0	.1116
#2	-1.322	1.527	.2046	-.3103	134.7	56.95	59.19	247.2	.5310
#3	-.7760	1.524	.9752	-.6687	133.5	51.23	39.99	248.3	-.6666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24275.	42432.	18247.
Stddev	122.	917.	695.
%RSD	.50415	2.1618	3.8088
#1	24136.	43423.	19019.
#2	24364.	41613.	17671.
#3	24326.	42258.	18052.

Sample Name: AN03595 X20 Acquired: 8/16/2011 14:43:58 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4499	-11.41	4.236	3.166	1.688	.4458	13210.	.1128	.0154	-.2645	1.193
Stddev	.8792	1.82	12.53	5.063	.559	.4864	138.	.2180	.4671	.2313	.727
%RSD	195.4	15.92	295.7	159.9	33.12	109.1	1.044	193.4	3035.	87.46	60.93
#1	-1.203	-13.51	-4.929	-1.893	1.060	-.0495	13340.	-.1057	.2970	-.0025	2.024
#2	-.6631	-10.37	-.8721	8.233	1.871	.4641	13240.	.3303	.2730	-.4407	.8757
#3	.5163	-10.35	18.51	3.157	2.132	.9228	13070.	.1137	-.5238	-.3502	.6782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.564	-2.635	12320.	40780.	2.962	318100.	.4990	1.819	2.642	7.263	-2.674
Stddev	.163	2.653	48.	211.	.091	6855.	.3699	2.065	3.744	1.913	2.010
%RSD	2.932	100.7	.3932	.5161	3.062	2.155	74.13	113.6	141.7	26.34	75.16
#1	-5.696	-5.602	12380.	40770.	2.980	313100.	.8519	-.4368	4.126	9.276	-1.375
#2	-5.382	-1.812	12300.	40990.	3.042	326000.	.1141	3.618	5.416	5.467	-4.989
#3	-5.613	-.4918	12290.	40570.	2.864	315400.	.5310	2.275	-1.617	7.048	-1.658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9555	1.362	.1809	-.5094	126.8	43.61	45.51	242.4	.3020
Stddev	.5678	.169	.3602	.1604	2.4	4.73	31.84	1.4	2.002
%RSD	59.43	12.42	199.2	31.49	1.889	10.84	69.98	.5678	662.8
#1	-.3069	1.504	.5856	-.3965	128.5	42.32	50.07	241.2	2.522
#2	-1.197	1.407	.0616	-.4388	127.8	39.65	74.83	242.1	-1.367
#3	-1.363	1.175	-.1046	-.6930	124.0	48.84	11.63	243.9	-.2483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23857.	40597.	16825.
Stddev	190.	626.	703.
%RSD	.79595	1.5430	4.1790
#1	24067.	41215.	17630.
#2	23696.	40615.	16514.
#3	23808.	39962.	16331.

Sample Name: AN03596 X20 Acquired: 8/16/2011 14:48:59 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6804	-9.824	1.035	2.907	2.022	.5275	13470.	-.0518	-.2455	-.4729	.9987
Stddev	1.022	.662	24.22	4.472	.380	.2866	103.	.0534	.1017	.3925	.6167
%RSD	150.2	6.739	2339.	153.9	18.77	54.34	.7656	103.1	41.42	83.01	61.75
#1	.3924	-9.442	28.99	-1.054	1.691	.8164	13420.	-.0290	-.2159	-.1165	1.698
#2	-1.643	-9.441	-12.47	7.757	2.436	.2431	13400.	-.1128	-.3588	-.4086	.5347
#3	-.7904	-10.59	-13.41	2.016	1.939	.5230	13590.	-.0136	-.1619	-.8936	.7630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.912	4.967	12570.	41330.	3.813	328800.	.5930	1.283	5.149	3.325	-2.121
Stddev	.526	2.308	104.	44.	.046	1778.	.6732	.332	3.232	1.212	2.219
%RSD	13.44	46.47	.8265	.1072	1.210	.5408	113.5	25.87	62.78	36.47	104.6
#1	4.242	5.336	12510.	41370.	3.764	326900.	.3746	1.259	7.424	2.424	-2.642
#2	4.188	2.496	12510.	41290.	3.818	329100.	1.348	.9635	6.573	2.846	-4.035
#3	3.305	7.067	12690.	41330.	3.856	330400.	.0561	1.626	1.449	4.703	.3116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7392	1.372	.4136	-.6449	132.2	53.79	75.58	243.4	1739.
Stddev	.3128	.251	.3008	.3401	.7	1.42	17.33	.9	896.
%RSD	42.32	18.27	72.74	52.74	.5553	2.632	22.92	.3888	51.50
#1	-.9362	1.627	.0664	-.8987	133.1	54.58	57.80	244.4	2762.
#2	-.3785	1.361	.5777	-.2585	131.9	54.64	76.55	242.5	1360.
#3	-.9031	1.126	.5967	-.7774	131.8	52.16	92.41	243.2	1096.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23954.	42027.	17729.
Stddev	273.	815.	288.
%RSD	1.1386	1.9380	1.6271
#1	23725.	42046.	17878.
#2	24255.	42832.	17911.
#3	23880.	41204.	17396.

Sample Name: AN03597 X20 Acquired: 8/16/2011 14:54:00 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8659**	**-12.33**	**-8.863**	**2.369**	**2.489**	**.6540**	**13120.**	**-.0011**	**-.4191**	**.1716**	**.5882**
Stddev	.6406	.47	15.00	2.506	.741	.4442	126.	.0280	.3963	.2341	.7404
%RSD	73.99	3.778	169.2	105.8	29.77	67.92	.9567	2646.	94.55	136.4	125.9
#1	-.6712	-11.89	-19.58	4.049	2.611	.8668	13220.	-.0188	-.6356	.4406	1.361
#2	-.3451	-12.28	8.279	-.5118	3.162	.1434	13160.	-.0156	-.6600	.0597	.5182
#3	-1.581	-12.82	-15.29	3.569	1.695	.9517	12980.	.0312	.0382	.0144	-.1148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.065**	**-4.335**	**12240.**	**40450.**	**3.256**	**321200.**	**-.1423**	**1.319**	**4.242**	**4.330**	**-1.052**
Stddev	.495	.634	86.	192.	.154	13060.	.5595	1.865	5.154	5.069	2.416
%RSD	8.158	14.63	.7018	.4742	4.733	4.066	393.2	141.5	121.5	117.1	229.5
#1	-5.505	-5.051	12330.	40560.	3.176	334400.	-.3950	2.539	7.539	3.727	.8280
#2	-6.245	-4.111	12200.	40570.	3.433	321000.	-.5309	-.8287	-1.697	9.674	-.2085
#3	-6.444	-3.844	12170.	40230.	3.157	308300.	.4990	2.246	6.885	-.4108	-3.777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9469**	**3.260**	**.3462**	**-.7904**	**127.3**	**44.21**	**42.45**	**241.1**	**2.687**
Stddev	.4389	.151	.2181	.1590	.6	3.65	21.88	1.2	1.374
%RSD	46.35	4.642	63.00	20.12	.4454	8.262	51.54	.4964	51.14
#1	-1.250	3.277	.2225	-.6214	127.5	45.67	18.00	240.1	1.106
#2	-.4435	3.101	.2181	-.9370	127.8	40.05	49.19	242.5	3.594
#3	-1.148	3.402	.5980	-.8127	126.7	46.90	60.16	240.8	3.360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24486.**	**41606.**	**16962.**
Stddev	76.	165.	54.
%RSD	.31105	.39729	.31812
#1	24414.	41788.	16927.
#2	24478.	41465.	17024.
#3	24566.	41565.	16934.

Sample Name: AN03598 X20 Acquired: 8/16/2011 14:59:01 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6820**	**-7.774**	**-5.520**	**3.393**	**2.839**	**.7855**	**13320.**	**.1112**	**-.5537**	**.0774**	**1.273**
Stddev	.9878	.730	16.43	2.976	.059	.2178	51.	.1786	.2713	.7077	.509
%RSD	144.8	9.389	297.6	87.71	2.070	27.73	.3865	160.7	49.00	914.7	40.03
#1	-1.589	-7.431	-23.94	4.046	2.891	.7577	13360.	-.0325	-.2457	.4285	1.018
#2	.3707	-8.613	-.2225	.1446	2.852	1.016	13350.	.0548	-.7573	.5408	1.860
#3	-.8282	-7.280	7.606	5.987	2.775	.5829	13260.	.3112	-.6583	-.7372	.9412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.070**	**7.943**	**12360.**	**40870.**	**3.980**	**323000.**	**.7130**	**-.2756**	**1.086**	**4.641**	**-.6015**
Stddev	.637	3.354	13.	99.	.021	6627.	.6093	.4621	3.534	1.251	1.326
%RSD	12.57	42.23	.1091	.2413	.5187	2.052	85.45	167.7	325.6	26.95	220.5
#1	5.341	4.563	12350.	40980.	3.999	327300.	.3740	-.8012	1.250	4.028	-.1537
#2	4.342	11.27	12360.	40790.	3.985	315300.	1.416	-.0929	-2.528	6.080	.4431
#3	5.528	7.997	12380.	40840.	3.958	326200.	.3487	.0672	4.534	3.815	-2.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.568**	**.6904**	**.3846**	**-.2458**	**124.7**	**56.98**	**77.23**	**243.6**	**1.397**
Stddev	.207	.0234	.5429	.1195	1.4	3.88	30.37	.6	.674
%RSD	13.20	3.390	141.2	48.62	1.112	6.810	39.33	.2446	48.27
#1	-1.669	.7053	.2313	-.1815	125.3	60.88	85.90	244.3	.6321
#2	-1.706	.6634	-.0652	-.3837	125.7	53.12	43.47	243.3	1.653
#3	-1.330	.7025	.9877	-.1722	123.1	56.94	102.3	243.3	1.906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24201.**	**40815.**	**16087.**
Stddev	230.	320.	256.
%RSD	.94903	.78371	1.5930
#1	24266.	40856.	16364.
#2	23946.	40476.	16038.
#3	24392.	41112.	15858.

Sample Name: AN03599 X20 Acquired: 8/16/2011 15:04:02 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1862**	**-10.94**	**-3.979**	**1.829**	**2.299**	**.4912**	**13240.**	**.0033**	**.0099**	**.4394**	**2.255**
Stddev	.5228	1.06	19.55	2.685	.572	.5079	114.	.1728	.1157	.6083	.308
%RSD	280.8	9.683	491.4	146.8	24.89	103.4	.8598	5159.	1164.	138.4	13.66
#1	-.2752	-11.62	-24.75	4.915	1.801	.1492	13310.	-.0116	-.0589	.7623	2.435
#2	.0797	-11.48	14.08	.0200	2.171	1.075	13110.	-.1615	.1436	-.2622	1.899
#3	.7540	-9.722	-1.266	.5531	2.924	.2497	13310.	.1831	-.0549	.8182	2.432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.671**	**-1.082**	**12450.**	**40930.**	**3.509**	**320900.**	**1.308**	**1.396**	**-2.230**	**3.491**	**-2.256**
Stddev	.691	1.340	119.	36.	.113	4317.	.416	2.374	1.713	2.332	1.066
%RSD	14.80	123.9	.9542	.0878	3.230	1.345	31.84	170.0	76.83	66.80	47.24
#1	-5.064	-.3100	12380.	40900.	3.617	325000.	1.328	2.844	-1.429	5.014	-1.478
#2	-3.873	-2.629	12390.	40920.	3.517	316400.	1.714	2.688	-1.064	4.653	-1.820
#3	-5.075	-.3056	12590.	40970.	3.391	321400.	.8816	-1.344	-4.197	.8063	-3.471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9633**	**.9206**	**.0867**	**-.5284**	**127.3**	**46.19**	**58.42**	**243.3**	**.8185**
Stddev	1.007	.2796	.2948	.0945	2.5	3.84	11.14	3.2	1.004
%RSD	104.5	30.37	340.0	17.88	1.938	8.304	19.07	1.296	122.6
#1	-.2718	1.233	.4242	-.6007	130.0	50.41	71.04	240.7	1.875
#2	-2.119	.8365	-.0433	-.4215	126.9	45.24	49.94	242.3	-.1225
#3	-.4997	.6927	-.1208	-.5630	125.1	42.92	54.30	246.8	.7029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24768.**	**42040.**	**17152.**
Stddev	563.	218.	316.
%RSD	2.2721	.51939	1.8413
#1	24134.	41939.	17378.
#2	24960.	42290.	17288.
#3	25209.	41890.	16791.

Sample Name: AN03599 X100 Acquired: 8/16/2011 15:09:03 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1382	-7.185	10.43	-.0905	1.514	.5000	2621.	-.1324	-.0592	-.3734	.9707
Stddev	.7603	1.051	6.18	4.572	.431	.3433	23.	.0789	.3030	.1892	.3321
%RSD	550.0	14.62	59.29	5054.	28.46	68.66	.8715	59.58	511.9	50.67	34.21
#1	-.7395	-6.824	7.180	-1.295	1.788	.7772	2635.	-.2095	-.4026	-.1760	.6314
#2	.5957	-6.362	17.55	4.963	1.017	.6068	2634.	-.0519	.1705	-.5532	.9856
#3	.5585	-8.369	6.543	-3.939	1.737	.1160	2595.	-.1357	.0545	-.3911	1.295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.417	-9.946	2326.	8073.	.5403	65510.	.2769	.8099	1.055	2.246	-1.340
Stddev	.493	5.110	71.	81.	.0457	177.	.5392	.4957	1.552	4.667	1.376
%RSD	6.651	51.38	3.038	1.007	8.462	.2703	194.7	61.21	147.1	207.8	102.7
#1	-6.875	-15.22	2294.	8106.	.4983	65460.	.6165	.9970	2.589	6.506	-2.906
#2	-7.841	-9.599	2276.	7980.	.5890	65710.	-.3449	1.185	1.091	-2.742	-.3267
#3	-7.533	-5.018	2407.	8132.	.5336	65370.	.5591	.2479	-.5140	2.975	-.7869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7563	.1438	.0526	-.2215	24.85	11.45	20.41	48.85	1.059
Stddev	.4208	.1382	.1110	.0600	.58	.85	30.07	.85	.917
%RSD	55.64	96.09	211.2	27.10	2.350	7.442	147.3	1.732	86.65
#1	-1.241	.0657	-.0215	-.1567	24.18	11.85	-11.55	49.82	1.309
#2	-.5402	.0623	-.0010	-.2327	25.16	12.02	24.64	48.29	.0422
#3	-.4874	.3034	.1802	-.2751	25.23	10.47	48.13	48.44	1.825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25294.	43292.	18315.
Stddev	408.	587.	200.
%RSD	1.6115	1.3549	1.0938
#1	24996.	42635.	18112.
#2	25127.	43763.	18319.
#3	25758.	43479.	18513.

Sample Name: CCV Acquired: 8/16/2011 15:13:55 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**193.4**	**4837.**	**4888.**	**201.4**	**199.2**	**183.2**	**5158.**	**205.8**	**193.4**	**210.3**	**208.1**
Stddev	1.2	49.	14.	3.8	1.2	1.1	32.	.8	.3	.8	1.0
%RSD	.6095	1.006	.2783	1.874	.5980	.5882	.6275	.3688	.1724	.3932	.4628
#1	192.8	4889.	4904.	197.4	199.9	182.6	5192.	205.2	193.7	211.2	209.0
#2	194.8	4828.	4883.	202.1	199.9	182.5	5155.	205.4	193.3	209.7	208.3
#3	192.7	4793.	4878.	204.8	197.8	184.4	5127.	206.6	193.0	210.0	207.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5044.**	**4960.**	**5047.**	**5108.**	**207.8**	**5272.**	**197.0**	**201.5**	**191.1**	**195.8**	**197.4**
Stddev	20.	23.	28.	54.	.7	52.	.4	2.7	2.2	6.8	1.7
%RSD	.3887	.4547	.5460	1.050	.3479	.9900	.2076	1.319	1.159	3.457	.8643
#1	5042.	4963.	5016.	5169.	208.0	5324.	197.3	201.5	193.1	203.1	198.8
#2	5025.	4937.	5056.	5069.	207.0	5272.	197.1	198.9	188.7	194.6	195.5
#3	5064.	4982.	5069.	5087.	208.4	5220.	196.5	204.2	191.5	189.7	198.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.3**	**206.0**	**193.2**	**197.6**	**194.0**	**5003.**	**5105.**	**206.9**	**204.0**
Stddev	1.6	1.5	.6	.6	1.5	28.	59.	.9	1.8
%RSD	.7894	.7508	.3238	.3085	.7750	.5588	1.153	.4193	.8999
#1	200.5	204.6	192.9	198.3	195.6	5022.	5142.	207.7	202.7
#2	199.8	205.7	194.0	197.3	192.6	5016.	5136.	206.8	203.1
#3	197.5	207.6	192.9	197.2	193.8	4971.	5037.	206.0	206.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25668.**	**43983.**	**18882.**
Stddev	180.	1130.	394.
%RSD	.70306	2.5694	2.0871
#1	25502.	42710.	18506.
#2	25642.	44368.	18849.
#3	25860.	44870.	19292.

Sample Name: CCB Acquired: 8/16/2011 15:18:38 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0886	-6.335	16.59	1.836	.6270	.4796	-6.617	-.0580	.1251	-.0709	.6026
Stddev	.3415	.671	13.79	2.996	.4824	.1693	2.067	.1053	.2498	.2970	.4578
%RSD	385.5	10.59	83.09	163.2	76.94	35.30	31.23	181.7	199.6	418.6	75.98
#1	-.0150	-5.562	3.389	1.889	1.144	.5467	-7.639	-.1195	.3903	.2672	.9067
#2	.4699	-6.768	30.90	4.806	.5491	.6050	-7.972	.0637	-.1057	-.1909	.0760
#3	-.1891	-6.676	15.49	-1.186	.1882	.2870	-4.238	-.1181	.0907	-.2892	.8250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.656	-6.191	-32.72	-18.43	-.1167	167.1	.2515	.4998	-3.151	.3011	-.1154
Stddev	.522	1.868	66.22	9.42	.0466	19.5	.3541	.5041	2.273	.4382	1.527
%RSD	6.813	30.17	202.4	51.12	39.96	11.65	140.8	100.9	72.13	145.5	1323.
#1	-7.262	-8.173	-104.1	-26.24	-.1658	188.1	.5920	-.0497	-.9719	.1930	-1.632
#2	-7.459	-4.464	-20.74	-21.07	-.1116	163.6	.2772	.9407	-2.974	-.0730	-.1363
#3	-8.248	-5.938	26.70	-7.967	-.0729	149.6	-.1148	.6084	-5.507	.7832	1.422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2417	-.2477	.1391	-.1747	-1.296	-4.059	-4.841	-.1025	-.0810
Stddev	.5432	.1098	.2648	.2846	1.459	2.659	8.629	.1683	1.075
%RSD	224.8	44.32	190.4	162.9	112.5	65.50	178.2	164.2	1327.
#1	-.7711	-.1781	-.0713	-.4402	-2.793	-5.013	-8.832	.0697	-1.322
#2	-.2683	-.1907	.0521	.1258	.1213	-1.055	5.060	-.1106	.4983
#3	.3144	-.3742	.4365	-.2097	-1.218	-6.110	-10.75	-.2665	.5804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25313.	44466.	20072.
Stddev	49.	1121.	551.
%RSD	.19411	2.5207	2.7439
#1	25277.	43216.	19585.
#2	25369.	45383.	19960.
#3	25293.	44798.	20670.

Sample Name: AN03600 X20 Acquired: 8/16/2011 15:23:31 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1415**	**-5.962**	**16.53**	**5.803**	**2.050**	**.2273**	**12980.**	**-.1087**	**-.1752**	**-.1117**	**1.237**
Stddev	.1773	.308	27.51	1.856	.580	.4274	21.	.0019	.2762	.3355	.749
%RSD	125.3	5.170	166.4	31.99	28.31	188.0	.1600	1.751	157.7	300.5	60.56
#1	.2843	-6.119	-9.483	4.683	1.388	-.2502	12950.	-.1109	.1220	-.4344	1.020
#2	.1972	-6.159	13.75	4.780	2.470	.5739	12980.	-.1074	-.4241	-.1359	2.071
#3	-.0569	-5.606	45.33	7.946	2.292	.3583	12990.	-.1080	-.2235	.2353	.6201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.658**	**6.199**	**12140.**	**39660.**	**3.817**	**316500.**	**.7548**	**.2431**	**.8197**	**1.408**	**-1.484**
Stddev	.424	5.086	22.	30.	.109	13170.	.5456	1.549	4.045	2.101	.764
%RSD	11.60	82.05	.1778	.0764	2.857	4.161	72.29	637.3	493.5	149.2	51.51
#1	4.105	7.861	12130.	39630.	3.943	330500.	1.227	-1.099	2.327	3.726	-2.180
#2	3.608	10.25	12120.	39690.	3.762	314700.	.1574	1.939	-3.763	.8693	-.6662
#3	3.260	.4896	12160.	39670.	3.746	304400.	.8800	-.1107	3.895	-.3708	-1.604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6306**	**.9057**	**.5312**	**-.1761**	**127.5**	**55.66**	**60.05**	**240.2**	**.9376**
Stddev	.5066	.1119	.2182	.1819	1.1	2.38	10.19	.5	1.148
%RSD	80.34	12.35	41.08	103.3	.8811	4.273	16.96	.2040	122.5
#1	-.0458	.9671	.5128	-.3768	127.2	58.40	48.29	240.4	-.0105
#2	-.9095	.9735	.7579	-.1293	128.7	54.16	66.03	240.5	.6089
#3	-.9366	.7766	.3227	-.0223	126.5	54.42	65.82	239.6	2.214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24738.**	**41566.**	**18953.**
Stddev	122.	540.	424.
%RSD	.49415	1.2990	2.2386
#1	24687.	41613.	19439.
#2	24877.	42081.	18758.
#3	24649.	41004.	18661.

Sample Name: AN03601 X20 Acquired: 8/16/2011 15:28:33 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3924**	**-10.94**	**-16.36**	**4.382**	**2.661**	**.2525**	**13110.**	**-.0434**	**-.3574**	**-.5010**	**1.863**
Stddev	.3309	1.28	29.42	3.611	.107	.4445	35.	.1420	.4200	.1696	.206
%RSD	84.32	11.72	179.8	82.41	4.037	176.0	.2657	327.4	117.5	33.85	11.06
#1	-.6708	-9.665	-46.13	7.760	2.756	-.0574	13110.	-.2070	-.5578	-.3063	1.832
#2	-.4798	-12.23	12.69	4.809	2.544	.0531	13140.	.0290	-.6396	-.6166	2.082
#3	-.0266	-10.92	-15.63	.5761	2.682	.7618	13070.	.0478	.1253	-.5802	1.674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.673**	**-4.413**	**12230.**	**40270.**	**3.150**	**319500.**	**.2751**	**2.221**	**1.912**	**3.706**	**-2.789**
Stddev	.335	3.587	62.	114.	.083	6585.	.4426	4.169	2.380	1.884	2.048
%RSD	4.368	81.27	.5073	.2828	2.629	2.061	160.9	187.7	124.5	50.84	73.45
#1	-7.289	-1.643	12180.	40310.	3.206	316700.	-.2349	6.896	-.4644	1.822	-1.751
#2	-7.826	-3.133	12300.	40370.	3.055	314800.	.5016	-1.111	4.296	3.706	-5.148
#3	-7.904	-8.465	12200.	40150.	3.189	327000.	.5586	.8784	1.905	5.591	-1.467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8454**	**.7494**	**.2266**	**-.6165**	**126.7**	**46.24**	**40.50**	**244.1**	**.5768**
Stddev	.4057	.2181	.5314	.1788	2.9	4.03	11.82	1.0	.2568
%RSD	47.99	29.10	234.5	29.00	2.260	8.714	29.19	.3920	44.52
#1	-.9557	.9775	-.2106	-.5305	123.4	49.17	43.50	245.1	.3143
#2	-1.185	.5430	.8181	-.8220	128.0	47.91	50.54	243.8	.8275
#3	-.3960	.7276	.0724	-.4970	128.6	41.64	27.47	243.2	.5887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24152.**	**40425.**	**16983.**
Stddev	73.	547.	388.
%RSD	.30327	1.3543	2.2856
#1	24193.	40043.	16955.
#2	24068.	40179.	16609.
#3	24196.	41052.	17384.

Sample Name: AN03602 X20 Acquired: 8/16/2011 15:33:33 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3064	-5.823	2.247	4.705	2.865	.5258	13200.	.0119	-.4202	-.1379	.4872
Stddev	.4001	.938	43.66	4.807	.347	.4427	169.	.1352	.2886	.2182	.1177
%RSD	130.6	16.11	1943.	102.2	12.10	84.20	1.277	1133.	68.67	158.2	24.15
#1	.0534	-4.907	-40.61	7.798	2.906	.1401	13310.	.0627	-.5942	-.1912	.6169
#2	.7677	-6.781	46.67	7.148	3.189	1.009	13000.	-.1413	-.0871	.1020	.3874
#3	.0982	-5.782	.6757	-.8329	2.499	.4281	13280.	.1144	-.5794	-.3246	.4572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.092	4.416	12360.	40460.	3.941	321000.	.9119	.4760	-.7483	1.112	.4212
Stddev	.561	7.087	89.	151.	.057	6203.	.1910	3.710	2.611	2.675	2.029
%RSD	18.14	160.5	.7162	.3730	1.446	1.932	20.95	779.5	348.9	240.5	481.8
#1	3.593	-3.132	12260.	40610.	3.920	326800.	.8793	4.102	-3.049	3.302	1.602
#2	3.196	10.93	12410.	40310.	4.006	314400.	1.117	.6383	2.090	1.904	1.584
#3	2.486	5.454	12420.	40450.	3.898	321900.	.7393	-3.313	-1.286	-1.869	-1.922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4463	1.317	.3775	-.3312	125.4	55.60	48.99	246.5	.9275
Stddev	.3774	.039	.2885	.1672	1.3	3.25	4.13	.5	1.197
%RSD	84.56	2.924	76.43	50.49	1.057	5.844	8.437	.2174	129.0
#1	-.8807	1.355	.5428	-.4794	124.5	59.11	44.96	246.1	.7724
#2	-.2582	1.317	.0443	-.1499	124.7	52.69	53.22	247.1	2.194
#3	-.1999	1.278	.5454	-.3642	126.9	55.01	48.79	246.3	-.1841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24555.	40526.	17358.
Stddev	228.	317.	104.
%RSD	.92840	.78166	.59921
#1	24817.	40878.	17288.
#2	24403.	40438.	17477.
#3	24445.	40263.	17308.

Sample Name: AN03603 X20 Acquired: 8/16/2011 15:38:35 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5149**	**-9.981**	**-21.36**	**2.524**	**2.352**	**.4290**	**13160.**	**-.0784**	**-.0971**	**.1188**	**1.662**
Stddev	.5659	2.112	11.89	.700	.458	.1103	106.	.1987	.3600	.1912	.597
%RSD	109.9	21.16	55.67	27.74	19.47	25.71	.8063	253.5	370.6	160.9	35.94
#1	-.4242	-12.33	-29.13	1.885	1.902	.4220	13250.	-.1890	-.2344	.1394	.9734
#2	.0002	-9.366	-27.29	2.415	2.818	.5426	13190.	.1510	-.3683	-.0818	2.041
#3	-1.121	-8.244	-7.671	3.272	2.337	.3223	13040.	-.1971	.3113	.2988	1.972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.691**	**-3.157**	**12330.**	**40400.**	**3.321**	**327100.**	**.0577**	**1.009**	**1.862**	**3.487**	**-2.998**
Stddev	.722	4.356	66.	129.	.021	8138.	.1937	1.248	3.925	3.324	1.968
%RSD	9.391	138.0	.5384	.3198	.6312	2.488	335.7	123.6	210.9	95.32	65.64
#1	-7.190	1.790	12260.	40320.	3.332	320900.	.0984	2.412	-1.712	.4366	-5.270
#2	-8.519	-4.842	12380.	40550.	3.297	336300.	-.1531	.0219	1.234	7.029	-1.880
#3	-7.363	-6.418	12350.	40340.	3.334	324000.	.2278	.5940	6.063	2.995	-1.843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6577**	**.6650**	**.1987**	**-.4986**	**127.7**	**46.93**	**57.57**	**246.4**	**.2573**
Stddev	.2130	.1398	.2052	.2061	.9	6.79	6.13	2.7	.9008
%RSD	32.39	21.02	103.3	41.34	.7299	14.47	10.64	1.091	350.1
#1	-.6852	.5065	-.0359	-.3162	127.8	53.68	54.22	243.8	.0838
#2	-.4322	.7179	.2865	-.7222	126.7	40.11	53.85	246.2	-.5441
#3	-.8556	.7706	.3453	-.4574	128.6	47.00	64.64	249.2	1.232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24429.**	**40843.**	**17665.**
Stddev	320.	490.	426.
%RSD	1.3082	1.1990	2.4139
#1	24735.	41353.	18147.
#2	24454.	40799.	17512.
#3	24098.	40377.	17337.

Sample Name: AN03604 X20 Acquired: 8/16/2011 15:43:36 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2755	-2.440	5.912	6.002	2.825	.4638	13080.	-.1285	-.3314	-.0468	.9424
Stddev	.3934	.649	27.91	3.992	.403	.3851	147.	.1103	.5172	.5040	1.032
%RSD	142.8	26.58	472.1	66.52	14.27	83.04	1.121	85.81	156.1	1077.	109.5
#1	.5084	-1.823	-16.37	1.566	2.384	.0626	13250.	-.0843	.0791	-.5750	1.877
#2	-.1787	-2.383	-3.108	7.133	2.914	.4981	12960.	-.0472	-.9123	.0057	-.1643
#3	.4967	-3.116	37.22	9.306	3.175	.8306	13040.	-.2540	-.1608	.4289	1.114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.11	12.85	12310.	40210.	4.155	314400.	1.004	-.1812	2.569	2.827	-1.131
Stddev	.49	3.88	46.	6.	.117	5602.	.326	.8682	1.241	2.138	2.784
%RSD	4.046	30.22	.3700	.0139	2.811	1.782	32.44	479.2	48.30	75.63	246.2
#1	12.44	14.45	12360.	40210.	4.217	317600.	1.327	-.4297	3.453	1.864	-4.004
#2	11.55	8.426	12290.	40220.	4.228	307900.	1.011	-.8980	3.102	1.340	1.554
#3	12.34	15.69	12280.	40210.	4.021	317600.	.6750	.7842	1.151	5.278	-.9421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7721	.9207	.2834	-.2545	126.6	63.72	69.97	245.0	1.372
Stddev	.6084	.0091	.4496	.1158	1.2	2.38	7.02	.6	.161
%RSD	78.80	.9865	158.6	45.48	.9768	3.737	10.03	.2381	11.71
#1	-.5769	.9308	-.1002	-.2903	125.4	65.57	61.94	245.5	1.187
#2	-.2852	.9177	.7782	-.1251	127.9	64.55	73.02	245.0	1.475
#3	-1.454	.9134	.1724	-.3482	126.6	61.03	74.95	244.4	1.453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24765.	41394.	17557.
Stddev	259.	824.	481.
%RSD	1.0451	1.9916	2.7395
#1	24481.	40462.	17002.
#2	24825.	41694.	17835.
#3	24988.	42027.	17834.

Sample Name: AN03605 X20 Acquired: 8/16/2011 15:48:37 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4774	-11.94	-5.848	-.2008	2.694	.2948	13090.	.0143	-.0443	.4173	.6116
Stddev	.2776	.46	10.48	5.184	.483	.2338	78.	.1284	.0794	.6639	.5995
%RSD	58.15	3.821	179.2	2582.	17.95	79.29	.5986	900.1	179.2	159.1	98.02
#1	-.7007	-12.12	-17.93	2.227	2.226	.4852	13120.	.0295	.0395	-.3493	-.0079
#2	-.1665	-12.28	-.4275	-6.154	3.192	.0339	13150.	.1344	-.1183	.8064	1.189
#3	-.5651	-11.42	.8081	3.324	2.662	.3653	13000.	-.1211	-.0540	.7949	.6539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.656	-6.942	12230.	40030.	3.169	314100.	.1431	.4013	.1022	4.401	-.3684
Stddev	.520	2.846	72.	45.	.101	9405.	.4893	.9339	2.698	5.851	1.471
%RSD	6.798	41.00	.5888	.1124	3.189	2.994	341.9	232.7	2640.	133.0	399.3
#1	-8.243	-5.014	12160.	40060.	3.099	317400.	.6106	-.6752	.3294	5.047	-.9904
#2	-7.472	-5.602	12300.	40050.	3.285	321400.	.1843	.8838	2.680	-1.746	1.312
#3	-7.252	-10.21	12250.	39980.	3.124	303500.	-.3655	.9953	-2.702	9.903	-1.427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2919	.9306	.3448	-.3925	126.1	46.34	39.99	243.4	.0826
Stddev	.1667	.2231	.2599	.3997	1.0	1.88	17.30	1.5	.3318
%RSD	57.11	23.98	75.38	101.8	.7966	4.061	43.26	.5965	401.6
#1	-.1217	1.159	.0650	-.0743	127.1	48.24	24.30	242.4	.3553
#2	-.4549	.7135	.3906	-.2620	125.1	46.31	58.55	245.0	-.2867
#3	-.2993	.9191	.5788	-.8411	126.1	44.47	37.12	242.6	.1793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24744.	40751.	17461.
Stddev	84.	60.	257.
%RSD	.33814	.14790	1.4739
#1	24652.	40796.	17756.
#2	24764.	40774.	17340.
#3	24816.	40683.	17286.

Sample Name: AN03606 X20 Acquired: 8/16/2011 15:53:38 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0663**	**.9871**	**29.18**	**4.318**	**3.154**	**.4089**	**12840.**	**.1256**	**-.3855**	**-.4296**	**1.893**
Stddev	.6454	1.575	4.52	.877	.414	.5413	67.	.1573	.3185	.6110	1.243
%RSD	973.7	159.5	15.49	20.31	13.12	132.4	.5189	125.2	82.62	142.2	65.65
#1	-.8017	2.340	30.21	5.224	3.095	-.0470	12910.	.2905	-.6467	-.1905	1.161
#2	.1971	-.7415	33.10	4.258	2.773	.2665	12840.	.1094	-.0307	.0257	1.190
#3	.4058	1.363	24.24	3.472	3.594	1.007	12780.	-.0229	-.4790	-1.124	3.327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.41**	**19.05**	**12010.**	**39350.**	**4.518**	**313500.**	**1.036**	**2.733**	**1.289**	**4.116**	**-.6876**
Stddev	.96	8.77	35.	28.	.022	4735.	.273	1.963	.924	3.811	.7186
%RSD	4.971	46.04	.2925	.0706	.4806	1.510	26.35	71.82	71.72	92.59	104.5
#1	18.52	27.70	11970.	39330.	4.542	312700.	1.302	4.651	.3266	-.2153	-1.472
#2	19.27	10.16	12030.	39380.	4.512	309300.	.7561	2.818	2.170	5.608	-.5291
#3	20.44	19.29	12030.	39330.	4.499	318600.	1.051	.7287	1.370	6.955	-.0614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.093**	**.7042**	**.3846**	**-.2465**	**123.1**	**70.72**	**69.24**	**239.8**	**.0233**
Stddev	.503	.2868	.4510	.2505	2.4	2.12	10.78	1.0	.0131
%RSD	46.05	40.73	117.3	101.6	1.985	3.004	15.57	.3990	56.00
#1	-.5851	.9579	.3869	-.0726	124.5	69.01	79.83	239.2	.0320
#2	-1.592	.7616	.8344	-.1332	120.3	73.10	58.27	240.9	.0083
#3	-1.103	.3930	-.0675	-.5336	124.5	70.06	69.63	239.3	.0297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24616.**	**40638.**	**17336.**
Stddev	346.	774.	368.
%RSD	1.4038	1.9042	2.1253
#1	24914.	41250.	17648.
#2	24237.	40896.	17432.
#3	24695.	39768.	16930.

Sample Name: AN03607 X20 Acquired: 8/16/2011 15:58:38 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2884	-10.28	-16.05	3.060	3.144	.8900	12940.	.0634	-.1503	-.6232	2.452
Stddev	1.112	1.08	18.24	1.851	.428	.2554	119.	.1967	.0926	.7971	.708
%RSD	385.6	10.48	113.7	60.49	13.61	28.70	.9180	310.1	61.64	127.9	28.87
#1	.4346	-9.120	-16.46	.9700	2.944	1.104	13080.	.1688	-.2313	-.9734	3.027
#2	1.320	-10.48	-34.08	4.493	3.635	.6074	12900.	.1850	-.0493	-1.185	1.661
#3	-.8894	-11.25	2.400	3.716	2.852	.9582	12850.	-.1635	-.1701	.2891	2.668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-7.678	-4.957	12260.	40140.	2.972	319800.	.2413	.7273	2.277	4.041	-1.551
Stddev	1.116	.377	111.	102.	.096	7202.	.7033	2.628	4.832	1.623	.629
%RSD	14.54	7.604	.9060	.2549	3.218	2.252	291.4	361.3	212.2	40.17	40.59
#1	-6.432	-4.522	12380.	40260.	2.888	324900.	.0053	1.592	4.991	2.239	-2.271
#2	-8.586	-5.180	12200.	40080.	3.076	323000.	-.3136	-2.224	5.141	5.388	-1.280
#3	-8.018	-5.169	12190.	40080.	2.950	311500.	1.032	2.814	-3.302	4.495	-1.103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8754	.5067	.3475	-.9317	122.4	43.44	60.18	242.0	.6658
Stddev	.5448	.2193	.4166	.4423	2.3	.61	27.17	1.2	1.390
%RSD	62.24	43.28	119.9	47.47	1.897	1.398	45.14	.4847	208.7
#1	-.4673	.2586	.2078	-.5009	120.0	44.01	47.61	240.8	-.5670
#2	-.6649	.6748	.0188	-1.385	124.6	43.53	91.36	243.1	2.172
#3	-1.494	.5866	.8160	-.9096	122.6	42.80	41.58	242.0	.3925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23968.	40193.	15518.
Stddev	143.	496.	493.
%RSD	.59795	1.2340	3.1739
#1	23998.	40039.	15903.
#2	23812.	40748.	14963.
#3	24094.	39793.	15689.

Sample Name: AN03608 X20 Acquired: 8/16/2011 16:04:08 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3938	-7.200	7.520	3.642	3.049	.3263	12900.	.0255	-.1220	-.2576	1.033
Stddev	.4871	1.011	7.368	1.339	.702	.4041	78.	.0878	.1347	.9892	.476
%RSD	123.7	14.05	97.98	36.75	23.01	123.9	.6006	344.4	110.4	384.0	46.07
#1	.1649	-8.332	6.857	3.679	2.668	.6724	12860.	-.0696	-.1822	-.8468	.8455
#2	-.7289	-6.880	15.20	2.286	2.620	.4243	12860.	.0427	-.2161	.8844	.6801
#3	-.6175	-6.386	.5063	4.962	3.859	-.1179	12990.	.1035	.0323	-.8105	1.575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6082	3.361	12110.	39770.	3.450	309500.	.4173	.1820	2.613	2.203	-2.700
Stddev	.1229	1.291	13.	122.	.053	678.	.4272	1.640	4.721	.923	2.129
%RSD	20.21	38.41	.1080	.3055	1.526	.2191	102.4	900.8	180.7	41.92	78.85
#1	.4785	2.574	12120.	39850.	3.464	310100.	.6932	-1.589	-2.628	1.290	-2.984
#2	.7230	2.658	12110.	39630.	3.392	309600.	-.0747	.4864	6.533	2.183	-.4431
#3	.6230	4.851	12100.	39820.	3.494	308700.	.6334	1.648	3.934	3.136	-4.673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6284	.8612	.3630	-.3061	122.7	52.40	51.47	241.9	.8452
Stddev	.2836	.0189	.0940	.2053	1.1	.81	24.07	1.5	.3296
%RSD	45.13	2.198	25.89	67.07	.9059	1.541	46.76	.6386	38.99
#1	-.4608	.8825	.2564	-.1103	123.8	51.55	35.00	243.7	.5505
#2	-.4686	.8464	.4338	-.5198	122.7	52.50	79.10	241.4	1.201
#3	-.9559	.8546	.3986	-.2883	121.6	53.15	40.33	240.7	.7840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24114.	40443.	16851.
Stddev	173.	225.	477.
%RSD	.71650	.55601	2.8301
#1	24304.	40185.	17272.
#2	24071.	40598.	16948.
#3	23966.	40545.	16333.

Sample Name: AN03608 X100 Acquired: 8/16/2011 16:09:09 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1060**	**-6.714**	**15.30**	**5.193**	**1.834**	**.0249**	**2646.**	**-.0499**	**-.1436**	**.0010**	**.9013**
Stddev	.5164	1.081	21.74	.270	.493	.3837	14.	.0082	.3967	.0955	.3365
%RSD	487.2	16.09	142.1	5.206	26.90	1539.	.5430	16.53	276.4	9823.	37.34
#1	.3059	-7.646	28.13	5.112	1.355	-.2589	2631.	-.0587	-.3130	.0969	.5337
#2	.4926	-6.965	27.56	5.495	1.806	.4615	2659.	-.0424	-.4274	.0000	1.194
#3	-.4805	-5.530	-9.801	4.973	2.341	-.1278	2647.	-.0484	.3098	-.0940	.9762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.317**	**-1.789**	**2286.**	**8130.**	**.5528**	**65800.**	**.1791**	**1.199**	**1.600**	**4.763**	**-2.569**
Stddev	.474	3.282	59.	5.	.0198	340.	.0576	1.100	1.115	1.300	1.676
%RSD	8.917	183.5	2.587	.0587	3.584	.5169	32.13	91.75	69.70	27.28	65.23
#1	-5.235	-.4157	2355.	8130.	.5754	65550.	.2400	.7116	2.707	5.860	-.6776
#2	-4.889	-5.534	2250.	8125.	.5387	66190.	.1256	2.458	1.617	3.328	-3.869
#3	-5.827	.5841	2254.	8134.	.5443	65660.	.1717	.4265	.4763	5.101	-3.162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3138**	**1.720**	**-.1145**	**-.2123**	**23.05**	**13.26**	**9.255**	**50.03**	**1.130**
Stddev	.3448	.078	.2885	.0602	.25	2.72	12.98	.84	1.114
%RSD	109.9	4.509	252.0	28.34	1.091	20.55	140.2	1.672	98.60
#1	.0738	1.807	-.1113	-.1723	23.31	15.08	21.96	49.50	2.225
#2	-.5862	1.657	.1724	-.2815	23.02	14.56	9.782	49.60	-.0031
#3	-.4292	1.697	-.4045	-.1830	22.81	10.13	-3.976	51.00	1.169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25309.	42927.	17965.
Stddev	67.	505.	149.
%RSD	.26295	1.1765	.82901
#1	25253.	42363.	18026.
#2	25290.	43338.	18073.
#3	25382.	43080.	17795.

Sample Name: CCV Acquired: 8/16/2011 16:14:03 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**195.0**	**4867.**	**4890.**	**202.8**	**199.7**	**184.0**	**5135.**	**204.3**	**192.5**	**210.4**	**208.4**
Stddev	1.3	31.	37.	10.0	.9	.6	38.	.4	.7	1.2	1.1
%RSD	.6608	.6339	.7482	4.909	.4715	.3373	.7329	.1782	.3574	.5819	.5209
#1	195.6	4872.	4851.	191.4	198.6	184.7	5102.	203.9	192.4	211.2	207.3
#2	195.9	4894.	4923.	209.7	200.4	183.7	5176.	204.6	191.8	211.0	209.4
#3	193.5	4833.	4897.	207.3	200.0	183.6	5126.	204.5	193.2	209.0	208.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5059.**	**4969.**	**4970.**	**5083.**	**207.8**	**5437.**	**196.2**	**202.0**	**187.9**	**197.1**	**196.9**
Stddev	72.	3.	22.	3.	2.5	24.	.7	1.4	2.3	7.2	1.2
%RSD	1.421	.0564	.4523	.0504	1.195	.4416	.3496	.6849	1.241	3.664	.6028
#1	5128.	4966.	4980.	5082.	210.2	5465.	196.5	201.2	187.8	203.2	198.3
#2	5066.	4972.	4986.	5081.	208.1	5420.	196.7	203.6	185.6	199.0	196.1
#3	4985.	4968.	4944.	5086.	205.2	5427.	195.4	201.3	190.3	189.2	196.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.1**	**204.7**	**192.8**	**197.7**	**192.4**	**5013.**	**5063.**	**205.8**	**201.7**
Stddev	1.4	1.0	.3	.4	1.9	24.	54.	2.2	1.3
%RSD	.7006	.5000	.1712	.1945	.9864	.4880	1.073	1.076	.6351
#1	199.4	205.1	193.2	197.8	194.2	5001.	5020.	207.8	202.9
#2	201.8	203.5	192.8	198.1	190.4	5041.	5124.	206.2	200.3
#3	199.3	205.4	192.6	197.3	192.6	4996.	5045.	203.5	201.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25192.**	**43034.**	**19130.**
Stddev	229.	284.	651.
%RSD	.90893	.65906	3.4033
#1	24975.	43306.	19508.
#2	25171.	42740.	19505.
#3	25431.	43058.	18378.

Sample Name: CCB Acquired: 8/16/2011 16:18:48 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1737	-6.178	-8.088	1.311	.8004	.6296	-6.758	-.0365	.1888	-.0717	.4924
Stddev	.1430	.218	26.26	2.378	.0217	.1588	4.823	.2286	.3878	.2055	.1237
%RSD	82.30	3.532	324.7	181.4	2.710	25.22	71.37	626.0	205.4	286.7	25.13
#1	.2638	-5.987	-36.59	-.0884	.7764	.7852	-11.64	.0041	.6307	-.2427	.3640
#2	.2485	-6.132	-2.793	4.057	.8186	.6358	-1.992	-.2827	.0308	.1563	.5023
#3	.0089	-6.416	15.12	-.0354	.8062	.4678	-6.647	.1691	-.0950	-.1286	.6108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.042	-5.048	-117.9	-11.21	-.1377	296.5	.1165	1.259	-2.025	3.041	-1.029
Stddev	.272	4.273	51.8	36.22	.0217	4.8	.8179	2.254	4.980	2.074	.633
%RSD	3.381	84.66	43.91	323.0	15.76	1.606	701.9	179.1	246.0	68.18	61.49
#1	-8.128	-5.455	-73.06	-47.84	-.1177	301.9	.1765	-1.189	1.011	2.761	-.8841
#2	-8.261	-9.103	-174.5	-10.39	-.1607	294.3	.9027	3.250	-7.772	1.122	-.4814
#3	-7.738	-.5856	-106.1	24.59	-.1347	293.1	-.7297	1.715	.6873	5.241	-1.722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1776	-.3271	.1269	-.1738	-1.894	-4.365	8.196	.0517	.9223
Stddev	.1149	.1959	.2312	.2185	.772	1.016	12.17	.1274	.7150
%RSD	64.69	59.88	182.2	125.8	40.75	23.27	148.5	246.4	77.53
#1	-.3058	-.4458	.2213	-.0815	-1.196	-3.285	19.52	-.0952	1.239
#2	-.0842	-.4345	.2959	-.0165	-2.723	-4.510	-4.670	.1185	1.424
#3	-.1427	-.1010	-.1366	-.4233	-1.764	-5.301	9.739	.1317	.1035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25118.	44059.	19368.
Stddev	320.	607.	426.
%RSD	1.2758	1.3774	2.1980
#1	25390.	44705.	18877.
#2	24765.	43501.	19608.
#3	25199.	43969.	19620.

Sample Name: PBW-2 B19P12 Acquired: 8/16/2011 16:23:43 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2591	-5.112	1.147	.6422	1.004	.3882	.3300	-.0190	-.1489	-.2907	.8213
Stddev	.3302	.724	22.04	2.583	.318	.0537	3.683	.1070	.1366	.1632	.3280
%RSD	127.5	14.17	1922.	402.2	31.64	13.84	1116.	563.9	91.73	56.15	39.93
#1	.2642	-4.466	25.23	2.993	.6594	.3551	-.8302	.0959	-.2537	-.4090	.8286
#2	-.0736	-5.895	-18.02	1.056	1.285	.4502	4.453	-.1157	.0056	-.3584	.4898
#3	.5867	-4.976	-3.772	-2.123	1.066	.3594	-2.633	-.0371	-.1986	-.1045	1.146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.550	-2.912	-127.3	-3.045	-.1316	196.1	.2249	-.0578	-.7371	1.064	-.2544
Stddev	.444	1.669	25.8	32.84	.0577	11.3	.4317	1.136	3.692	3.589	.9443
%RSD	6.773	57.31	20.22	1079.	43.87	5.777	192.0	1966.	500.8	337.5	371.2
#1	-6.262	-3.604	-156.2	-15.99	-.1679	183.2	.1226	-1.216	-4.915	-2.955	-.0852
#2	-7.061	-1.009	-106.6	34.30	-.0650	201.1	.6986	1.055	.6184	3.951	.5939
#3	-6.327	-4.124	-119.2	-27.45	-.1617	204.2	-.1465	-.0123	2.085	2.195	-1.272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3868	-.2138	.0663	-.5335	-.8931	-.7736	-9.785	.7826	.8086
Stddev	.6627	.2046	.0663	.1272	.8472	4.881	10.34	.3568	1.181
%RSD	171.3	95.65	99.91	23.85	94.87	630.9	105.6	45.59	146.0
#1	.3430	-.2633	.0035	-.4264	.0833	4.823	-21.52	.6213	-.5029
#2	-.5524	-.3891	.1356	-.5000	-1.328	-2.998	-5.797	1.192	1.787
#3	-.9510	.0109	.0599	-.6742	-1.434	-4.146	-2.036	.5350	1.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25795.	44837.	18923.
Stddev	158.	763.	310.
%RSD	.61280	1.7006	1.6386
#1	25888.	45013.	18592.
#2	25613.	45495.	18969.
#3	25885.	44001.	19207.

Sample Name: LCSW-3 B19P12 Acquired: 8/16/2011 16:28:37 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**207.0**	**5040.**	**5084.**	**215.3**	**214.3**	**197.8**	**5430.**	**218.8**	**209.7**	**217.6**	**210.9**
Stddev	2.3	44.	21.	4.5	1.4	1.4	34.	1.3	.7	1.2	.7
%RSD	1.128	.8808	.4147	2.086	.6749	.7029	.6340	.5754	.3113	.5407	.3408
#1	206.5	4998.	5090.	220.5	213.6	198.7	5406.	219.3	210.0	216.3	210.4
#2	209.5	5086.	5102.	213.4	215.9	198.5	5470.	217.3	208.9	218.6	211.7
#3	204.9	5035.	5061.	212.1	213.3	196.2	5415.	219.7	210.1	217.9	210.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5244.**	**5181.**	**4867.**	**5358.**	**216.3**	**5411.**	**209.2**	**217.1**	**199.8**	**216.2**	**206.7**
Stddev	41.	13.	46.	49.	1.4	34.	.6	2.8	2.2	3.5	1.7
%RSD	.7742	.2593	.9444	.9166	.6399	.6223	.2886	1.306	1.103	1.597	.8214
#1	5268.	5197.	4880.	5305.	217.2	5406.	209.7	219.7	202.3	215.8	206.6
#2	5267.	5173.	4905.	5368.	217.0	5446.	208.5	214.1	198.2	213.0	208.4
#3	5197.	5174.	4816.	5402.	214.7	5380.	209.5	217.5	198.9	219.9	205.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**211.7**	**226.1**	**201.7**	**210.0**	**199.9**	**4132.**	**4219.**	**216.3**	**214.0**
Stddev	2.2	.5	.7	.4	1.3	40.	18.	.3	.4
%RSD	1.055	.2309	.3605	.1982	.6324	.9630	.4220	.1557	.2003
#1	209.9	226.6	202.1	209.7	200.9	4092.	4199.	215.9	214.5
#2	214.2	225.5	202.0	210.4	198.5	4172.	4234.	216.3	213.9
#3	210.9	226.1	200.8	209.8	200.4	4131.	4224.	216.6	213.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25938.	45373.	19209.
Stddev	323.	398.	482.
%RSD	1.2445	.87655	2.5093
#1	25849.	45590.	19589.
#2	26296.	45616.	19371.
#3	25669.	44914.	18667.

Sample Name: LCSW-4 B19P12 Acquired: 8/16/2011 16:33:21 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**215.5**	**5171.**	**5081.**	**213.2**	**217.0**	**199.5**	**5427.**	**217.6**	**209.7**	**224.1**	**216.1**
Stddev	.8	42.	49.	.7	.8	.8	17.	.1	.2	.2	1.1
%RSD	.3653	.8169	.9638	.3427	.3573	.3976	.3147	.0483	.0777	.1089	.5065
#1	215.6	5148.	5068.	212.8	217.6	199.5	5444.	217.7	209.8	223.9	214.8
#2	214.7	5146.	5039.	214.1	216.1	198.7	5410.	217.5	209.8	224.0	216.5
#3	216.3	5220.	5135.	212.8	217.3	200.3	5425.	217.6	209.5	224.4	216.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5329.**	**5156.**	**4791.**	**5295.**	**221.1**	**5372.**	**210.5**	**219.8**	**203.6**	**213.6**	**207.5**
Stddev	19.	10.	100.	53.	.6	48.	.8	1.0	2.3	4.0	3.3
%RSD	.3548	.1936	2.088	.9918	.2578	.8977	.3600	.4765	1.120	1.869	1.607
#1	5339.	5158.	4901.	5238.	221.3	5427.	209.9	218.9	204.0	209.3	203.8
#2	5307.	5165.	4705.	5305.	220.4	5336.	211.4	219.5	201.1	214.3	208.3
#3	5340.	5145.	4768.	5342.	221.5	5354.	210.4	221.0	205.6	217.2	210.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**218.5**	**225.4**	**204.3**	**213.9**	**197.6**	**4215.**	**4237.**	**220.2**	**216.2**
Stddev	1.4	.3	.2	.8	.4	29.	22.	2.1	1.2
%RSD	.6547	.1487	.1126	.3859	.1853	.6964	.5129	.9502	.5733
#1	218.1	225.8	204.3	212.9	197.5	4189.	4232.	221.1	215.2
#2	217.3	225.2	204.4	214.4	197.4	4208.	4218.	217.8	217.6
#3	220.1	225.2	204.0	214.2	198.0	4247.	4261.	221.7	215.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25881.**	**43457.**	**18741.**
Stddev	211.	84.	272.
%RSD	.81562	.19413	1.4503
#1	26107.	43554.	18488.
#2	25846.	43413.	18707.
#3	25689.	43404.	19029.

Sample Name: AN03609 X20 Acquired: 8/16/2011 16:38:04 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4236**	**-10.53**	**-3.617**	**-1.668**	**2.295**	**.5560**	**12930.**	**.0407**	**-.0550**	**-.2518**	**1.241**
Stddev	.3759	.66	11.78	4.058	.930	.4764	130.	.1911	.1705	.2671	.813
%RSD	88.74	6.245	325.6	243.3	40.50	85.68	1.008	470.2	309.9	106.1	65.48
#1	.6228	-9.837	-10.43	-.9740	1.878	.2920	12990.	-.1291	.1407	-.5596	.3032
#2	.6579	-10.60	-10.40	1.998	1.647	.2701	13020.	.0035	-.1718	-.1144	1.735
#3	-.0100	-11.15	9.981	-6.027	3.360	1.106	12780.	.2476	-.1339	-.0813	1.686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.177**	**-3.805**	**12080.**	**39830.**	**3.169**	**312400.**	**1.027**	**.7739**	**.6052**	**2.869**	**-.3444**
Stddev	.631	4.315	59.	198.	.068	2381.	.412	.8630	1.147	1.401	.8258
%RSD	8.787	113.4	.4926	.4978	2.159	.7622	40.18	111.5	189.5	48.82	239.8
#1	-7.806	-4.916	12140.	40000.	3.181	310200.	1.352	-.0078	-.6969	3.092	.5658
#2	-7.181	.9568	12030.	39880.	3.231	312000.	.5626	1.700	1.465	1.370	-.5536
#3	-6.545	-7.455	12060.	39610.	3.096	314900.	1.165	.6296	1.048	4.145	-1.045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6203**	**.8723**	**.7501**	**-.6512**	**123.4**	**43.36**	**35.13**	**240.2**	**.3148**
Stddev	.4139	.0816	.3429	.2607	1.1	.65	9.77	.3	.4114
%RSD	66.73	9.354	45.71	40.04	.8627	1.492	27.81	.1332	130.7
#1	-.3520	.9251	.3647	-.5561	123.0	43.08	33.27	240.4	.6793
#2	-.4119	.9136	1.022	-.4514	122.5	44.10	26.42	240.3	.3965
#3	-1.097	.7784	.8639	-.9461	124.6	42.89	45.69	239.8	-.1313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24922.**	**41711.**	**17508.**
Stddev	133.	359.	374.
%RSD	.53531	.85965	2.1342
#1	24955.	42078.	17884.
#2	24776.	41694.	17503.
#3	25036.	41362.	17137.

Sample Name: AN03610 X20 Acquired: 8/16/2011 16:43:06 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1879**	**-7.487**	**-11.06**	**1.331**	**2.722**	**.6938**	**12740.**	**.0801**	**-.2599**	**-.2552**	**1.820**
Stddev	.3037	.891	17.46	3.621	.476	.1805	93.	.1692	.3031	.4748	.437
%RSD	161.6	11.90	157.9	272.0	17.48	26.02	.7298	211.2	116.6	186.1	23.99
#1	-.3272	-7.880	-14.68	.1762	3.206	.8893	12820.	.2541	-.1600	-.8019	2.314
#2	.1605	-6.467	-26.42	-1.571	2.706	.5336	12750.	-.0839	-.6003	-.0163	1.486
#3	-.3969	-8.113	7.930	5.389	2.255	.6584	12640.	.0702	-.0193	.0527	1.661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.219**	**-2.712**	**11870.**	**39400.**	**3.189**	**308000.**	**-.0588**	**.5831**	**-.0789**	**.7218**	**-2.277**
Stddev	.302	1.062	31.	126.	.038	2751.	.4070	.7345	3.376	5.375	.680
%RSD	9.387	39.17	.2620	.3191	1.197	.8932	692.1	126.0	4280.	744.6	29.88
#1	-3.201	-3.786	11880.	39540.	3.231	307700.	-.4207	-.0242	-2.763	1.928	-2.270
#2	-3.530	-2.686	11890.	39360.	3.178	305500.	-.1374	.3740	3.711	-5.153	-1.600
#3	-2.926	-1.662	11830.	39290.	3.157	310900.	.3817	1.400	-1.184	5.391	-2.961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6974**	**.6119**	**.1455**	**-.3697**	**122.4**	**50.93**	**58.56**	**235.9**	**.5899**
Stddev	.4539	.1548	.5945	.3449	1.3	2.42	12.79	1.9	.9264
%RSD	65.08	25.29	408.7	93.28	1.024	4.754	21.84	.8092	157.1
#1	-.6179	.4771	.8314	-.7621	121.0	53.53	73.26	237.7	1.612
#2	-.2885	.5775	-.2229	-.2327	122.7	50.53	49.93	233.9	.3531
#3	-1.186	.7809	-.1721	-.1144	123.4	48.73	52.50	236.1	-.1952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24661.**	**41671.**	**16967.**
Stddev	213.	549.	338.
%RSD	.86364	1.3167	1.9924
#1	24511.	41364.	16695.
#2	24905.	42305.	17345.
#3	24568.	41345.	16861.

Sample Name: AN03611 X20 Acquired: 8/16/2011 16:48:08 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1397**	**-10.58**	**7.876**	**-.0061**	**2.976**	**.8060**	**13050.**	**-.0283**	**-.0387**	**-.8129**	**1.611**
Stddev	.2675	1.18	20.37	.1767	.362	.3395	76.	.2124	.0903	1.104	.521
%RSD	191.6	11.14	258.6	2888.	12.18	42.12	.5810	749.8	233.2	135.8	32.34
#1	.1693	-11.81	-15.61	-.0124	3.266	.4700	12970.	-.0926	-.0842	-1.073	1.750
#2	-.2957	-10.45	18.55	-.1795	3.092	.7990	13120.	-.2012	.0653	.3978	1.034
#3	-.2925	-9.465	20.69	.1736	2.570	1.149	13070.	.2088	-.0972	-1.764	2.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.164**	**-6.551**	**12250.**	**40580.**	**3.078**	**316500.**	**.5874**	**1.169**	**-.3475**	**4.872**	**-1.893**
Stddev	.490	3.347	93.	47.	.039	5675.	.4169	.637	6.532	3.775	1.123
%RSD	6.000	51.10	.7619	.1163	1.267	1.793	70.97	54.46	1879.	77.48	59.35
#1	-8.053	-4.438	12140.	40580.	3.043	317700.	.7085	1.894	6.913	9.001	-.7776
#2	-7.739	-4.804	12290.	40530.	3.072	321400.	.9304	.9128	-2.210	4.016	-3.024
#3	-8.699	-10.41	12320.	40630.	3.120	310300.	.1234	.7007	-5.746	1.598	-1.877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5946**	**.6222**	**.5676**	**-.8071**	**123.7**	**41.28**	**35.30**	**241.6**	**-.5511**
Stddev	.2992	.0385	.3015	.1661	1.9	.87	12.30	1.0	.5177
%RSD	50.33	6.181	53.11	20.58	1.522	2.096	34.84	.4345	93.94
#1	-.7259	.6339	.2962	-.6718	125.7	41.67	23.56	240.5	-.1662
#2	-.2522	.6533	.5145	-.9924	123.3	40.29	48.09	241.6	-.3475
#3	-.8057	.5792	.8922	-.7571	122.0	41.88	34.27	242.6	-1.140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24272.**	**40812.**	**15996.**
Stddev	200.	287.	189.
%RSD	.82388	.70434	1.1790
#1	24358.	40954.	15835.
#2	24414.	41001.	15951.
#3	24043.	40481.	16204.

Sample Name: AN03612 X20 Acquired: 8/16/2011 16:53:09 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1831**	**5.800**	**8.593**	**2.847**	**2.915**	**.3251**	**12800.**	**-.1709**	**-.3647**	**.0627**	**1.505**
Stddev	.4747	1.469	5.453	6.400	.665	.3413	82.	.0718	.2237	.6708	.548
%RSD	259.2	25.32	63.46	224.8	22.81	105.0	.6443	42.05	61.32	1071.	36.41
#1	.3643	4.108	2.707	-4.434	2.243	.3823	12800.	-.2409	-.1068	-.6384	1.173
#2	-.4318	6.545	9.599	5.391	2.930	.6341	12710.	-.0973	-.4826	.1279	2.138
#3	-.4819	6.747	13.47	7.584	3.573	-.0412	12880.	-.1743	-.5048	.6984	1.205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**30.68**	**29.53**	**11930.**	**39170.**	**4.721**	**310200.**	**1.025**	**2.745**	**2.046**	**4.623**	**-2.280**
Stddev	.56	2.95	32.	68.	.082	2277.	.423	.967	2.715	2.509	1.993
%RSD	1.812	9.986	.2689	.1741	1.740	.7340	41.26	35.25	132.7	54.27	87.39
#1	31.06	32.78	11950.	39120.	4.658	310500.	1.508	3.281	4.881	5.936	-1.979
#2	30.04	27.02	11940.	39250.	4.690	307800.	.7160	1.628	-.5315	6.203	-.4556
#3	30.93	28.79	11890.	39130.	4.814	312300.	.8527	3.325	1.788	1.730	-4.407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7578**	**1.526**	**.0246**	**-.1260**	**122.7**	**83.18**	**93.24**	**239.6**	**1.337**
Stddev	.7622	.035	.0819	.2841	1.1	1.50	16.38	.9	.729
%RSD	100.6	2.291	332.5	225.5	.8913	1.806	17.56	.3583	54.50
#1	-.9507	1.508	-.0521	.0366	123.9	81.45	74.46	239.7	.5091
#2	-1.405	1.504	.1109	-.4540	122.6	84.16	104.5	238.7	1.881
#3	.0823	1.566	.0152	.0395	121.7	83.93	100.8	240.4	1.622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24630.**	**40707.**	**16742.**
Stddev	164.	205.	149.
%RSD	.66440	.50473	.88963
#1	24608.	40944.	16903.
#2	24479.	40605.	16609.
#3	24804.	40574.	16714.

Sample Name: AN03613 X20 Acquired: 8/16/2011 16:58:11 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7658**	**-10.54**	**-6.739**	**1.125**	**2.682**	**.4714**	**13020.**	**-.0420**	**.1652**	**-.4563**	**2.037**
Stddev	.7487	.60	13.91	4.640	.388	.2360	68.	.1210	.4058	.2612	.338
%RSD	97.77	5.705	206.4	412.4	14.45	50.06	.5194	288.3	245.6	57.24	16.59
#1	-1.621	-10.41	5.740	6.482	2.252	.6815	13070.	-.0505	.1916	-.7579	1.648
#2	-.2277	-10.02	-21.73	-1.453	3.003	.5165	13040.	.0831	-.2531	-.3057	2.255
#3	-.4488	-11.20	-4.224	-1.653	2.791	.2161	12940.	-.1584	.5573	-.3053	2.208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.013**	**-4.285**	**12120.**	**39840.**	**3.399**	**310000.**	**.2892**	**.9457**	**-1.251**	**6.222**	**-2.401**
Stddev	.118	2.464	108.	208.	.085	14390.	.8416	.7215	3.756	1.574	.991
%RSD	1.478	57.50	.8882	.5208	2.499	4.642	291.0	76.29	300.3	25.30	41.25
#1	-8.047	-6.507	12230.	39940.	3.439	323700.	.3767	.4170	-3.088	6.518	-2.203
#2	-8.111	-1.635	12100.	39980.	3.456	311200.	1.084	.6525	3.070	7.627	-1.525
#3	-7.881	-4.715	12020.	39600.	3.301	295000.	-.5927	1.768	-3.735	4.521	-3.476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2061**	**.3955**	**.5138**	**-.3560**	**123.0**	**41.10**	**35.73**	**240.0**	**.2872**
Stddev	.6856	.0955	.1750	.2096	1.6	1.98	7.28	1.8	.8053
%RSD	332.7	24.15	34.06	58.87	1.334	4.814	20.37	.7344	280.4
#1	.2830	.2912	.3559	-.1263	124.7	39.74	37.05	240.0	-.1696
#2	-.9897	.4165	.7020	-.4049	121.5	40.20	42.25	238.3	-.1859
#3	.0885	.4787	.4835	-.5368	122.6	43.37	27.88	241.8	1.217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24966.**	**41510.**	**16916.**
Stddev	39.	444.	536.
%RSD	.15801	1.0708	3.1672
#1	24922.	42023.	17535.
#2	24981.	41233.	16611.
#3	24997.	41275.	16603.

Sample Name: AN03614 X20 Acquired: 8/16/2011 17:03:13 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3655	-3.786	10.09	4.526	3.013	.1713	12760.	.0824	-.0912	-.3004	2.289
Stddev	.1221	.277	25.74	2.740	.271	.1235	4.	.0734	.6023	.7157	.482
%RSD	33.40	7.320	255.1	60.54	9.007	72.13	.0342	89.09	660.5	238.3	21.06
#1	.3516	-3.582	5.809	7.549	3.091	.1517	12760.	-.0022	-.1041	-.4948	2.829
#2	.4939	-4.101	37.70	2.207	2.711	.3035	12770.	.1206	-.6869	-.8988	2.132
#3	.2510	-3.674	-13.24	3.822	3.237	.0587	12760.	.1288	.5175	.4925	1.904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.493	11.10	11900.	39050.	3.899	315200.	.0600	.9745	2.174	3.594	-2.219
Stddev	.663	.64	33.	48.	.159	2259.	.6816	.4652	4.173	5.287	2.475
%RSD	8.848	5.756	.2756	.1224	4.081	.7169	1136.	47.74	192.0	147.1	111.5
#1	6.795	10.36	11910.	39100.	3.783	316400.	-.1899	.4413	6.100	6.833	-4.988
#2	8.114	11.50	11930.	39000.	3.834	312500.	-.4615	1.297	-2.209	-2.507	-1.449
#3	7.570	11.44	11870.	39040.	4.080	316500.	.8313	1.185	2.631	6.455	-.2204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8681	1.034	.4507	-.2334	121.4	56.90	69.86	237.0	1.572
Stddev	.4201	.323	.1900	.2155	2.6	.51	2.64	1.2	.620
%RSD	48.39	31.23	42.16	92.34	2.103	.8931	3.782	.5022	39.46
#1	-.4712	.9476	.2650	.0148	119.5	56.48	67.05	235.6	1.638
#2	-.8251	1.392	.4424	-.3734	124.3	56.75	70.23	237.7	.9207
#3	-1.308	.7636	.6448	-.3416	120.3	57.47	72.29	237.6	2.156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24395.	40613.	16354.
Stddev	154.	674.	566.
%RSD	.63034	1.6604	3.4599
#1	24314.	41122.	16894.
#2	24297.	40868.	16403.
#3	24572.	39848.	15765.

Sample Name: AN03614 X100 Acquired: 8/16/2011 17:08:15 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1945	-3.999	7.762	.4147	1.898	.1561	2647.	-.0644	-.1394	-1.441	1.256
Stddev	.1640	1.921	45.12	3.278	.165	.7280	13.	.1735	.3970	.451	.538
%RSD	84.29	48.04	581.3	790.5	8.690	466.3	.4751	269.4	284.7	31.28	42.84
#1	.2612	-4.597	-14.59	-1.212	1.719	-.6229	2659.	-.1502	-.0537	-.9786	.7355
#2	.0077	-5.550	59.69	-1.732	2.044	.2720	2650.	-.1784	.2077	-1.464	1.222
#3	.3146	-1.850	-21.82	4.188	1.930	.8193	2634.	.1353	-.5722	-1.879	1.810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.280	-2.504	2256.	8074.	.5935	65690.	.4543	-.3188	.9400	.5868	-1.418
Stddev	.568	4.260	16.	72.	.0449	206.	.0808	.2207	3.221	4.809	.447
%RSD	10.76	170.1	.7279	.8941	7.571	.3138	17.80	69.23	342.7	819.6	31.51
#1	-5.626	-.7697	2237.	8006.	.6115	65480.	.3673	-.1321	2.226	5.850	-1.571
#2	-5.589	-7.357	2269.	8066.	.6266	65890.	.5271	-.2620	-2.726	-.5134	-1.769
#3	-4.624	.6155	2260.	8150.	.5424	65700.	.4685	-.5624	3.320	-3.577	-.9153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9590	-.0597	-.0398	-.2648	24.35	16.73	34.36	48.82	.1122
Stddev	.2704	.1143	.4161	.2477	1.51	.79	6.03	1.37	.6108
%RSD	28.20	191.4	1044.	93.56	6.215	4.730	17.53	2.804	544.2
#1	-.6518	-.1020	.1791	-.2223	26.09	16.57	37.83	49.06	.2412
#2	-1.161	.0697	-.5197	-.5311	23.56	16.03	27.41	47.35	.6483
#3	-1.064	-.1469	.2210	-.0411	23.40	17.59	37.85	50.05	-.5528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24820.	41654.	16493.
Stddev	122.	562.	317.
%RSD	.48959	1.3491	1.9230
#1	24895.	41017.	16127.
#2	24885.	41863.	16693.
#3	24680.	42081.	16659.

Sample Name: CCV Acquired: 8/16/2011 17:13:08 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**193.2**	**4916.**	**4879.**	**197.3**	**198.5**	**177.9**	**5155.**	**208.1**	**193.1**	**211.6**	**208.2**
Stddev	.5	16.	32.	2.6	.7	1.8	43.	.8	.3	1.2	.6
%RSD	.2826	.3341	.6621	1.343	.3628	1.013	.8351	.3618	.1744	.5888	.2935
#1	193.8	4924.	4843.	194.4	197.6	179.5	5107.	208.2	192.9	212.9	208.7
#2	192.7	4897.	4891.	197.6	198.9	178.3	5168.	208.8	192.9	210.5	208.3
#3	193.1	4926.	4905.	199.7	198.9	176.0	5190.	207.3	193.5	211.4	207.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5002.**	**4926.**	**4960.**	**5151.**	**206.5**	**5449.**	**196.5**	**205.5**	**189.7**	**203.0**	**195.2**
Stddev	10.	30.	62.	54.	.3	6.	.3	1.1	3.0	6.8	3.0
%RSD	.1924	.6050	1.252	1.048	.1395	.1053	.1577	.5451	1.566	3.328	1.519
#1	5007.	4907.	5024.	5089.	206.6	5452.	196.4	206.7	192.3	209.9	195.9
#2	4991.	4961.	4900.	5185.	206.2	5452.	196.2	204.6	186.5	202.8	191.9
#3	5008.	4912.	4956.	5180.	206.7	5442.	196.8	205.0	190.2	196.4	197.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.2**	**209.5**	**191.5**	**195.9**	**191.8**	**5018.**	**5090.**	**207.5**	**205.2**
Stddev	.8	1.7	.7	.4	3.0	14.	8.	1.2	.9
%RSD	.3815	.8037	.3620	.1991	1.576	.2861	.1632	.5785	.4483
#1	200.1	210.4	191.2	195.9	188.4	5034.	5092.	206.2	204.1
#2	198.6	210.5	191.0	196.3	192.8	5009.	5097.	207.8	205.8
#3	199.0	207.5	192.3	195.5	194.2	5009.	5080.	208.5	205.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25489.**	**42901.**	**17787.**
Stddev	260.	409.	539.
%RSD	1.0198	.95228	3.0307
#1	25566.	42583.	18268.
#2	25199.	42758.	17890.
#3	25702.	43362.	17204.

Sample Name: CCB Acquired: 8/16/2011 17:17:51 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0758	-5.487	10.67	1.537	.8536	.5068	-6.122	-.0661	-.0287	-.2750	.6587
Stddev	.8705	.843	19.72	2.925	.3878	.2766	3.025	.1216	.1675	.1467	.5220
%RSD	1149.	15.36	184.8	190.3	45.43	54.58	49.42	183.8	583.6	53.34	79.24
#1	.7984	-5.026	20.71	-1.538	1.014	.6744	-7.417	-.0620	.0888	-.4323	.3039
#2	-.0832	-6.460	-12.05	1.864	.4114	.1875	-8.285	.0533	.0456	-.1421	1.258
#3	-.9425	-4.976	23.35	4.284	1.136	.6585	-2.665	-.1897	-.2205	-.2505	.4143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.320	-6.711	-142.5	.9304	-.1072	294.0	-.0237	1.314	-2.156	6.243	.1024
Stddev	.489	2.395	10.2	17.01	.0636	13.7	.1541	.804	6.283	1.965	1.214
%RSD	5.876	35.68	7.169	1828.	59.27	4.642	650.6	61.18	291.5	31.47	1185.
#1	-8.555	-7.082	-134.4	-1.130	-.1806	309.7	.1125	.5684	5.006	5.083	-.2682
#2	-8.646	-8.899	-139.1	-14.96	-.0702	286.3	.0074	1.208	-6.741	5.135	-.8826
#3	-7.758	-4.153	-154.0	18.88	-.0708	285.9	-.1909	2.166	-4.732	8.512	1.458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4364	-.5015	.1098	-.2645	-3.030	-5.791	4.410	.0832	.8022
Stddev	.3491	.0126	.2045	.1765	.965	2.901	12.26	.7007	.8047
%RSD	79.99	2.505	186.2	66.71	31.86	50.10	278.1	842.0	100.3
#1	-.7926	-.5156	-.0135	-.4641	-2.602	-7.891	-9.374	.8921	.1977
#2	-.0949	-.4973	-.0028	-.1291	-2.352	-2.481	8.499	-.3399	1.716
#3	-.4217	-.4915	.3459	-.2004	-4.135	-7.001	14.10	-.3025	.4934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25042.	44096.	19361.
Stddev	233.	561.	371.
%RSD	.93229	1.2711	1.9136
#1	25178.	44143.	18980.
#2	25176.	44631.	19720.
#3	24772.	43513.	19383.

Sample Name: AN03615 X20 Acquired: 8/16/2011 17:22:46 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0743	-10.73	-7.632	-2.040	2.333	.2500	12980.	-.0236	-.3668	.2683	1.259
Stddev	.5696	.75	22.88	1.448	.835	.3888	115.	.0623	.3354	.5587	.577
%RSD	767.0	6.948	299.8	70.99	35.78	155.5	.8829	263.9	91.44	208.2	45.85
#1	.5510	-10.86	-26.43	-3.674	1.507	.4448	12850.	.0402	-.7378	-.0233	.6067
#2	.2282	-9.934	-14.32	-.9137	2.315	-.1977	13070.	-.0268	-.0852	.9125	1.704
#3	-.5565	-11.41	17.85	-1.533	3.176	.5030	13020.	-.0843	-.2773	-.0842	1.467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-8.080	-5.004	12180.	39780.	3.318	314300.	.7229	.0430	3.477	4.221	-.9674
Stddev	.273	4.235	76.	138.	.052	5682.	.4549	1.876	.935	5.745	1.808
%RSD	3.374	84.63	.6277	.3480	1.554	1.808	62.93	4364.	26.88	136.1	186.9
#1	-8.337	-3.943	12170.	39670.	3.269	309300.	.1976	-2.092	2.525	.0124	.4387
#2	-8.110	-9.669	12260.	39940.	3.372	320500.	.9796	.7961	3.511	1.885	-3.007
#3	-7.794	-1.401	12110.	39740.	3.313	313000.	.9915	1.425	4.394	10.77	-.3340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4545	.6011	.2760	-.5607	126.6	42.19	58.04	238.6	.4287
Stddev	.3605	.0506	.3277	.1163	1.4	.18	24.24	.8	1.453
%RSD	79.31	8.414	118.7	20.74	1.112	.4330	41.76	.3496	339.0
#1	-.4325	.6548	-.0505	-.6023	128.2	42.30	32.00	238.1	.9265
#2	-.8254	.5543	.2735	-.4293	126.1	42.29	62.19	239.6	1.568
#3	-.1055	.5941	.6049	-.6505	125.4	41.98	79.93	238.2	-1.208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24691.	42093.	18234.
Stddev	335.	478.	685.
%RSD	1.3571	1.1347	3.7542
#1	24589.	42557.	19024.
#2	24419.	41603.	17873.
#3	25065.	42121.	17806.

Sample Name: AN03616 X20 Acquired: 8/16/2011 17:27:48 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1665	-2.265	5.137	.9890	2.690	.4513	13020.	.0908	-.4205	.6260	1.168
Stddev	1.200	.514	10.09	2.990	.250	.0959	8.	.0823	.4235	.0896	.166
%RSD	720.9	22.72	196.5	302.3	9.284	21.24	.0622	90.73	100.7	14.31	14.20
#1	1.037	-2.827	-6.176	-2.411	2.952	.4256	13010.	.0309	-.7225	.6519	.9783
#2	-.1724	-1.819	8.360	2.172	2.665	.3709	13020.	.0567	-.6027	.5263	1.241
#3	-1.364	-2.148	13.23	3.206	2.454	.5574	13020.	.1847	.0635	.6997	1.285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.43	13.83	12150.	40040.	3.920	316700.	.4050	.6496	2.427	4.002	-1.699
Stddev	.25	3.99	14.	71.	.030	8236.	.2525	1.769	3.096	6.714	.672
%RSD	2.417	28.82	.1178	.1765	.7615	2.601	62.36	272.4	127.6	167.7	39.56
#1	10.72	17.80	12170.	40000.	3.902	323900.	.5882	2.038	2.365	2.030	-1.716
#2	10.25	13.88	12140.	40120.	3.903	318500.	.5099	1.253	5.554	11.48	-1.019
#3	10.32	9.825	12140.	40000.	3.954	307700.	.1169	-1.343	-.6376	-1.504	-2.363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6678	1.192	.1562	-.3519	126.6	57.58	62.89	240.8	.7476
Stddev	.5313	.325	.2458	.0523	1.3	4.43	13.68	.6	.2474
%RSD	79.57	27.29	157.4	14.85	1.013	7.701	21.76	.2483	33.09
#1	-.9964	1.136	.2318	-.3889	125.3	56.12	66.45	240.9	.9001
#2	-.9522	1.542	.3553	-.2921	127.8	62.56	47.78	241.3	.4622
#3	-.0548	.8990	-.1186	-.3747	126.6	54.06	74.44	240.1	.8804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24485.	41198.	16985.
Stddev	318.	551.	714.
%RSD	1.3001	1.3363	4.2053
#1	24832.	40574.	16324.
#2	24206.	41615.	17743.
#3	24416.	41404.	16889.

Sample Name: AN03617 X20 Acquired: 8/16/2011 17:32:50 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2202**	**-11.43**	**-11.01**	**1.801**	**2.287**	**.7647**	**12770.**	**-.1139**	**-.1725**	**.0137**	**1.022**
Stddev	.4632	1.05	24.24	4.104	.232	.4940	522.	.1212	.3009	.3477	.823
%RSD	210.4	9.214	220.2	227.8	10.15	64.60	4.088	106.4	174.4	2537.	80.49
#1	.0366	-11.78	-16.14	5.415	2.064	.5159	12170.	.0256	.0170	-.0725	1.608
#2	.0577	-10.24	-32.27	-2.661	2.269	1.334	13030.	-.1936	-.5194	-.2828	1.377
#3	-.7548	-12.26	15.39	2.650	2.528	.4445	13100.	-.1735	-.0150	.3964	.0816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.470**	**-3.937**	**11960.**	**39390.**	**3.121**	**304300.**	**.2109**	**1.020**	**-2.509**	**2.739**	**-2.245**
Stddev	.368	2.509	461.	1446.	.035	5784.	.1637	.844	3.924	6.374	1.897
%RSD	4.921	63.73	3.850	3.672	1.106	1.901	77.60	82.75	156.4	232.7	84.47
#1	-7.309	-6.510	11440.	37730.	3.144	297600.	.2071	1.995	-3.294	-2.700	-1.403
#2	-7.210	-3.804	12180.	40390.	3.081	307300.	.3764	.5120	1.748	1.164	-.9158
#3	-7.891	-1.497	12280.	40040.	3.138	307900.	.0492	.5540	-5.981	9.753	-4.417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3697**	**.4967**	**.3082**	**-.9317**	**126.2**	**40.01**	**36.27**	**242.5**	**.6427**
Stddev	.3029	.1232	.3795	.2061	3.3	3.79	8.08	3.1	1.262
%RSD	81.93	24.79	123.1	22.12	2.619	9.461	22.27	1.269	196.4
#1	-.6912	.4437	.1621	-1.077	129.7	44.25	28.49	246.0	1.890
#2	-.0896	.4090	.7391	-1.022	125.6	38.84	35.71	241.6	.6726
#3	-.3284	.6375	.0235	-.6958	123.2	36.95	44.62	240.0	-.6339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24578.**	**41775.**	**17519.**
Stddev	171.	728.	208.
%RSD	.69743	1.7437	1.1865
#1	24389.	41010.	17563.
#2	24622.	41854.	17702.
#3	24723.	42461.	17293.

Sample Name: AN03618 X20 Acquired: 8/16/2011 17:37:54 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1613**	**-3.703**	**-4.379**	**2.127**	**2.418**	**.1756**	**13560.**	**.0067**	**-.4053**	**-.4928**	**.8095**
Stddev	.5765	1.811	3.356	1.704	.309	.2807	28.	.0512	.1652	.4119	1.140
%RSD	357.4	48.91	76.65	80.15	12.80	159.9	.2032	768.2	40.76	83.58	140.8
#1	-.1478	-2.812	-.7713	1.791	2.490	.1643	13580.	.0529	-.2303	-.5577	-.1546
#2	.4084	-5.787	-4.956	.6150	2.685	-.0993	13570.	-.0484	-.4271	-.0523	2.067
#3	-.7445	-2.510	-7.409	3.974	2.079	.4617	13530.	.0155	-.5585	-.8684	.5158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12.79**	**10.39**	**12720.**	**41520.**	**3.959**	**327700.**	**.7369**	**-.3639**	**-.4560**	**2.979**	**-1.770**
Stddev	.44	2.65	87.	126.	.035	1858.	.7560	1.941	3.060	5.620	1.015
%RSD	3.423	25.51	.6855	.3026	.8866	.5671	102.6	533.3	670.9	188.7	57.37
#1	13.18	12.11	12820.	41580.	3.979	329900.	-.1343	-2.096	-1.665	-3.445	-.9174
#2	12.85	11.72	12680.	41370.	3.918	326400.	1.124	-.7294	3.023	6.989	-2.893
#3	12.32	7.336	12660.	41600.	3.979	327000.	1.221	1.734	-2.726	5.392	-1.498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4385**	**.7747**	**.7363**	**-.3468**	**129.5**	**60.50**	**71.58**	**249.4**	**1.595**
Stddev	.2870	.1622	.3456	.2719	3.7	.85	11.65	1.4	.722
%RSD	65.45	20.94	46.94	78.38	2.881	1.403	16.28	.5790	45.25
#1	-.1072	.8824	.4298	-.5899	133.7	61.36	59.12	248.0	1.624
#2	-.5966	.5881	.6680	-.0533	128.5	59.67	73.40	250.9	.8590
#3	-.6118	.8536	1.111	-.3974	126.4	60.46	82.21	249.4	2.301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24432.**	**41565.**	**17090.**
Stddev	286.	479.	572.
%RSD	1.1725	1.1531	3.3458
#1	24560.	41970.	17698.
#2	24633.	41689.	17007.
#3	24104.	41036.	16564.

Sample Name: AN03619 X20 Acquired: 8/16/2011 17:42:56 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2808**	**-10.56**	**-20.26**	**6.538**	**2.825**	**.4163**	**13040.**	**.0091**	**-.2627**	**-.1839**	**.6674**
Stddev	1.208	.87	17.76	.755	.619	.4381	38.	.1025	.4194	.9017	.7698
%RSD	430.3	8.221	87.64	11.55	21.92	105.2	.2904	1125.	159.7	490.3	115.3
#1	1.673	-10.86	.2109	7.085	2.248	.2165	13060.	-.0883	.1691	.1230	.8325
#2	-.4872	-11.23	-29.50	6.853	2.747	.1137	13060.	.1159	-.2886	.5243	-.1715
#3	-.3437	-9.577	-31.50	5.677	3.479	.9187	12990.	-.0003	-.6686	-1.199	1.341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.738**	**-6.348**	**12220.**	**40100.**	**2.952**	**323000.**	**.2694**	**-.8531**	**-1.157**	**-1.491**	**-2.008**
Stddev	.225	5.551	4.	74.	.080	4210.	.4719	.5104	4.941	1.904	1.733
%RSD	2.908	87.44	.0299	.1852	2.694	1.303	175.1	59.83	427.2	127.7	86.28
#1	-7.959	-6.411	12220.	40090.	2.866	318300.	.7848	-.9382	-6.854	-.2340	-3.071
#2	-7.745	-11.87	12220.	40180.	3.022	326300.	.1651	-.3055	1.945	-.5578	-2.946
#3	-7.509	-.7661	12220.	40030.	2.969	324600.	-.1415	-1.316	1.439	-3.683	-.0087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9264**	**.5966**	**.2174**	**-.6056**	**124.2**	**37.63**	**44.70**	**240.3**	**1.811**
Stddev	.6287	.1200	.1924	.2424	.3	2.42	13.23	.2	.382
%RSD	67.87	20.11	88.50	40.02	.2815	6.441	29.59	.0985	21.07
#1	-.3454	.7125	.3412	-.3448	124.4	40.36	31.58	240.4	2.247
#2	-.8400	.4729	.3154	-.6483	123.8	35.73	44.49	240.5	1.538
#3	-1.594	.6046	-.0043	-.8239	124.3	36.79	58.03	240.1	1.648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24534.**	**41479.**	**16882.**
Stddev	94.	490.	683.
%RSD	.38156	1.1818	4.0450
#1	24573.	41684.	17665.
#2	24427.	40920.	16408.
#3	24602.	41833.	16573.

Sample Name: AN03619 X50 Acquired: 8/16/2011 17:47:58 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4427**	**-8.799**	**5.338**	**1.653**	**1.767**	**.3178**	**5488.**	**-.0424**	**-.4022**	**-.5182**	**1.237**
Stddev	.3679	2.064	3.746	.852	.101	.2000	24.	.1357	.1529	.4035	.554
%RSD	83.11	23.46	70.16	51.53	5.700	62.94	.4286	320.2	38.02	77.87	44.85
#1	.7069	-10.59	9.137	2.325	1.659	.3961	5515.	-.1245	-.2259	-.3171	1.875
#2	.0225	-6.541	5.229	1.938	1.858	.0905	5478.	-.1168	-.4817	-.2547	.9641
#3	.5987	-9.266	1.649	.6949	1.783	.4667	5472.	.1142	-.4991	-.9827	.8710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.422**	**-5.220**	**4960.**	**16850.**	**1.196**	**134700.**	**.6778**	**.9633**	**2.228**	**-.5662**	**-1.217**
Stddev	.809	2.690	75.	54.	.084	262.	.3031	2.361	3.590	1.396	.237
%RSD	9.602	51.54	1.507	.3192	7.046	.1946	44.72	245.1	161.1	246.6	19.44
#1	-7.488	-7.618	5027.	16790.	1.283	134900.	.6103	3.389	-.4177	-.8901	-1.490
#2	-8.914	-5.731	4974.	16890.	1.115	134700.	1.009	-1.328	.7871	.9636	-1.079
#3	-8.862	-2.311	4880.	16860.	1.191	134400.	.4142	.8295	6.315	-1.772	-1.082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5758**	**.0752**	**-.0160**	**-.4920**	**52.89**	**14.21**	**44.90**	**101.3**	**.4197**
Stddev	.2890	.0894	.6661	.4253	1.75	1.35	13.35	.4	1.247
%RSD	50.19	118.8	4165.	86.43	3.302	9.516	29.74	.3989	297.2
#1	-.4816	.0353	-.7839	-.5436	51.29	13.08	48.74	101.7	-.9834
#2	-.3456	.1776	.4055	-.0434	54.76	15.71	30.05	100.9	.8402
#3	-.9000	.0127	.3304	-.8892	52.63	13.85	55.91	101.3	1.402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25426.**	**43286.**	**17964.**
Stddev	247.	828.	325.
%RSD	.97238	1.9129	1.8103
#1	25698.	44224.	18289.
#2	25216.	42977.	17965.
#3	25364.	42657.	17639.

Sample Name: AN03620 Acquired: 8/16/2011 17:52:52 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0032**	**623.3**	**616.0**	**5.323**	**32.40**	**.5919**	**6827.**	**.3107**	**2.466**	**19.22**	**23.05**
Stddev	.3754	2.5	12.0	1.846	.37	.2849	38.	.1307	.206	.41	.23
%RSD	11680.	.3967	1.956	34.69	1.151	48.13	.5591	42.06	8.375	2.153	.9840
#1	.2202	620.6	605.6	7.455	32.74	.2634	6866.	.1694	2.525	18.75	22.83
#2	-.4302	625.5	613.1	4.229	32.46	.7713	6825.	.4272	2.236	19.37	23.02
#3	.2196	623.6	629.2	4.286	32.00	.7411	6790.	.3355	2.636	19.54	23.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17400.**	**17150.**	**332.3**	**1500.**	**373.4**	**1183.**	**21.85**	**1836.**	**-4.022**	**6.540**	**-3.524**
Stddev	358.	78.	45.0	4.	2.0	35.	.30	1.	4.710	3.702	1.999
%RSD	2.059	.4562	13.54	.2349	.5380	2.988	1.368	.0656	117.1	56.61	56.74
#1	17280.	17080.	301.6	1498.	374.3	1206.	21.99	1838.	-9.422	2.298	-1.252
#2	17110.	17230.	311.2	1498.	374.8	1201.	22.06	1836.	-1.892	9.119	-4.303
#3	17800.	17140.	383.9	1504.	371.1	1142.	21.51	1835.	-.7534	8.203	-5.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.145**	**53.51**	**4.060**	**20.84**	**.2173**	**1056.**	**1055.**	**37.40**	**1.633**
Stddev	.049	.19	.130	.12	1.129	7.	16.	1.66	1.195
%RSD	2.296	.3487	3.189	.5676	519.5	.6460	1.481	4.426	73.15
#1	2.111	53.34	4.069	20.95	.8501	1050.	1068.	36.08	2.563
#2	2.123	53.48	4.185	20.85	.8879	1063.	1038.	39.26	.2857
#3	2.201	53.71	3.926	20.72	-1.086	1054.	1059.	36.88	2.051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25367.**	**43056.**	**17048.**
Stddev	139.	434.	304.
%RSD	.54623	1.0089	1.7832
#1	25390.	42980.	17329.
#2	25219.	43523.	16725.
#3	25494.	42665.	17090.

Sample Name: AN03621 Acquired: 8/16/2011 17:57:52 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1046**	**8.347**	**6.846**	**1.522**	**1.115**	**.2762**	**48.95**	**.0263**	**-.3386**	**.0596**	**7.517**
Stddev	.8312	.834	10.32	.959	.359	.3257	5.06	.1159	.1420	.1931	.528
%RSD	794.9	9.992	150.7	63.04	32.19	118.0	10.33	440.8	41.93	324.0	7.031
#1	-1.010	8.577	10.80	2.594	1.127	.0263	45.02	.1540	-.4612	.0884	8.084
#2	.0724	9.042	14.60	.7454	1.468	.1576	54.65	-.0031	-.1830	.2368	7.429
#3	.6239	7.423	-4.863	1.226	.7502	.6446	47.17	-.0721	-.3715	-.1463	7.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.42**	**12.54**	**-114.6**	**-.2312**	**.1803**	**367.4**	**1.589**	**-.1084**	**1.498**	**4.198**	**-1.401**
Stddev	.50	1.21	58.4	21.40	.0804	15.5	.270	1.465	5.273	4.123	1.707
%RSD	4.764	9.678	50.94	9258.	44.56	4.213	17.02	1352.	352.1	98.21	121.9
#1	9.978	13.94	-168.6	17.84	.2694	380.6	1.857	-1.799	6.905	-.5289	.3531
#2	10.32	11.81	-122.7	-23.87	.1584	371.1	1.316	.7887	-3.630	7.051	-3.057
#3	10.96	11.86	-52.64	5.338	.1132	350.4	1.595	.6854	1.218	6.071	-1.498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2167**	**10.94**	**.0339**	**.0724**	**-1.397**	**11.33**	**6.934**	**.3720**	**8.309**
Stddev	.1979	.13	.3633	.2500	.731	1.90	11.56	.5498	1.270
%RSD	91.32	1.226	1072.	345.4	52.33	16.81	166.7	147.8	15.29
#1	-.0211	11.09	-.0241	.0130	-1.253	11.76	19.89	.9645	9.746
#2	-.4168	10.84	-.2970	-.1426	-.7488	9.243	3.219	-.1216	7.337
#3	-.2121	10.89	.4227	.3467	-2.189	12.98	-2.310	.2730	7.843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25331.**	**44624.**	**19101.**
Stddev	129.	388.	352.
%RSD	.51050	.87010	1.8403
#1	25475.	44898.	18764.
#2	25294.	44180.	19074.
#3	25225.	44795.	19466.

Sample Name: AN03622 Acquired: 8/16/2011 18:02:48 Type: Unk
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: JEWETT WHITE (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2149**	**-5.948**	**1.722**	**-.9692**	**.5798**	**.4422**	**2.843**	**-.1270**	**-.3728**	**-.1370**	**.3998**
Stddev	.6166	.575	14.04	2.863	.1518	.2922	1.709	.1513	.3556	.8286	.3399
%RSD	286.9	9.661	815.0	295.4	26.17	66.06	60.10	119.1	95.39	604.8	85.04
#1	-.3860	-6.067	-2.293	-3.943	.7257	.7732	.9907	.0450	-.0154	.4864	.6679
#2	.8460	-5.324	-9.868	-.7344	.4228	.3331	4.357	-.1861	-.3762	-1.077	.5139
#3	.1848	-6.454	17.33	1.770	.5909	.2204	3.182	-.2398	-.7266	.1798	.0174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.410**	**-4.570**	**-63.63**	**-27.66**	**-.0968**	**292.4**	**.0717**	**1.362**	**-.1507**	**-.5913**	**.8086**
Stddev	.569	2.315	66.50	11.45	.0371	26.6	.3063	3.084	4.788	4.420	.4191
%RSD	6.761	50.67	104.5	41.40	38.36	9.095	427.3	226.4	3177.	747.5	51.83
#1	-7.920	-1.913	-41.23	-40.88	-.0682	309.4	.3564	4.465	.0780	3.071	.9662
#2	-9.034	-5.642	-11.22	-21.43	-.1388	261.8	-.2525	1.321	4.519	.6551	.3335
#3	-8.277	-6.155	-138.4	-20.68	-.0835	306.1	.1112	-1.701	-5.049	-5.500	1.126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4784**	**.0623**	**-.1436**	**-.3532**	**-1.463**	**1.264**	**4.400**	**-.1938**	**.4815**
Stddev	.2498	.1946	.3003	.1893	.157	4.328	14.28	.4790	.2483
%RSD	52.20	312.6	209.2	53.59	10.74	342.4	324.5	247.2	51.56
#1	-.6765	-.1565	-.1437	-.1752	-1.312	4.361	8.606	-.7465	.5000
#2	-.1979	.2162	-.4438	-.5520	-1.625	-3.681	16.11	.0654	.7200
#3	-.5609	.1270	.1568	-.3324	-1.451	3.112	-11.51	.0998	.2245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25761.**	**44701.**	**20025.**
Stddev	79.	607.	406.
%RSD	.30542	1.3589	2.0294
#1	25677.	44067.	19572.
#2	25772.	44760.	20357.
#3	25833.	45278.	20146.

Sample Name: CCV Acquired: 8/16/2011 18:07:43 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**184.9**	**4642.**	**4857.**	**204.1**	**197.9**	**175.7**	**5200.**	**210.8**	**193.6**	**203.4**	**204.9**
Stddev	.6	11.	47.	6.0	1.4	1.3	33.	.9	.7	1.0	.8
%RSD	.3252	.2390	.9755	2.915	.7148	.7169	.6418	.4191	.3844	.5102	.4142
#1	184.4	4636.	4805.	209.6	196.2	177.1	5161.	211.8	194.5	202.3	205.2
#2	184.7	4636.	4872.	205.0	198.8	174.7	5217.	210.1	193.2	204.3	204.0
#3	185.6	4655.	4896.	197.8	198.6	175.3	5221.	210.6	193.2	203.7	205.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4775.**	**4811.**	**4930.**	**5172.**	**199.1**	**5158.**	**195.3**	**201.8**	**187.4**	**201.0**	**193.6**
Stddev	38.	6.	32.	58.	1.4	20.	.3	1.2	3.0	2.6	.4
%RSD	.7910	.1278	.6396	1.119	.6903	.3894	.1751	.5775	1.597	1.302	.2240
#1	4746.	4817.	4894.	5118.	198.0	5136.	194.9	203.1	184.2	200.6	193.1
#2	4818.	4805.	4950.	5164.	200.7	5174.	195.4	200.9	190.1	198.5	193.6
#3	4762.	4811.	4947.	5233.	198.7	5166.	195.5	201.3	187.9	203.7	194.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**192.2**	**210.0**	**189.2**	**193.0**	**194.1**	**4877.**	**5109.**	**201.3**	**203.8**
Stddev	.6	.6	.7	.0	1.0	10.	48.	.7	.6
%RSD	.3297	.2857	.3740	.0216	.5329	.2074	.9386	.3621	.3180
#1	191.8	210.6	190.0	192.9	195.3	4869.	5054.	201.0	204.6
#2	192.0	209.4	188.8	193.0	193.7	4873.	5140.	202.1	203.4
#3	193.0	210.0	188.8	193.0	193.3	4888.	5134.	200.8	203.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25854.**	**46558.**	**18706.**
Stddev	244.	134.	909.
%RSD	.94322	.28774	4.8607
#1	25664.	46609.	19755.
#2	25769.	46406.	18154.
#3	26129.	46659.	18209.

Sample Name: CCB Acquired: 8/16/2011 18:12:26 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1930**	**-6.502**	**16.77**	**3.186**	**.3041**	**.5773**	**-1.934**	**.0004**	**-.1335**	**-.5748**	**.2971**
Stddev	.3946	.674	2.86	1.541	.2340	.2648	2.535	.2307	.2158	.0450	.2955
%RSD	204.5	10.37	17.06	48.37	76.92	45.86	131.1	60390.	161.7	7.820	99.47
#1	.4919	-7.168	17.61	3.778	.5101	.5134	.9918	-.1945	.1156	-.5688	.5459
#2	-.2543	-5.820	13.59	4.344	.0497	.3503	-3.491	-.0595	-.2644	-.5332	.3749
#3	.3412	-6.517	19.13	1.437	.3526	.8682	-3.301	.2551	-.2517	-.6225	-.0295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.116**	**-3.178**	**-152.2**	**-11.58**	**-.1534**	**205.3**	**-.0497**	**.3162**	**1.433**	**-.4531**	**-.0723**
Stddev	.161	4.328	17.3	6.13	.0394	11.2	.1864	1.232	1.667	2.987	.6204
%RSD	1.977	136.2	11.39	52.97	25.71	5.458	375.0	389.8	116.3	659.2	857.6
#1	-8.263	-.3389	-132.2	-13.43	-.1104	201.7	-.2649	.4367	3.280	2.555	.5155
#2	-7.945	-8.160	-162.2	-4.730	-.1619	196.4	.0610	-.9720	.0384	-.4954	-.7209
#3	-8.139	-1.035	-162.3	-16.57	-.1879	217.9	.0547	1.484	.9816	-3.419	-.0116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4099**	**-.4845**	**-.2352**	**-.2450**	**-1.996**	**-5.972**	**-9.612**	**.4544**	**-.1100**
Stddev	.0928	.2750	.2251	.3361	.613	2.451	3.265	.3919	.7001
%RSD	22.65	56.75	95.69	137.2	30.71	41.03	33.97	86.25	636.3
#1	-.3182	-.3681	-.2433	-.0973	-2.158	-4.449	-13.38	.8305	.4115
#2	-.5038	-.2869	-.4562	-.6296	-2.512	-8.799	-7.675	.4842	.1642
#3	-.4077	-.7985	-.0062	-.0081	-1.319	-4.669	-7.780	.0484	-.9058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25879.**	**46224.**	**19108.**
Stddev	138.	738.	142.
%RSD	.53278	1.5956	.74480
#1	25942.	46797.	18944.
#2	25974.	46482.	19182.
#3	25721.	45392.	19199.

Sample Name: RL Acquired: 8/16/2011 18:17:20 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.055**	**102.0**	**85.30**	**9.805**	**100.5**	**3.275**	**526.4**	**3.285**	**20.12**	**5.000**	**11.94**
Stddev	.410	.4	18.91	3.607	1.1	.219	4.4	.162	.25	.415	.31
%RSD	8.119	.4390	22.16	36.79	1.110	6.686	.8325	4.923	1.223	8.309	2.616
#1	4.747	102.3	105.7	13.38	101.7	3.389	531.4	3.442	20.40	5.211	12.13
#2	5.521	102.2	81.96	9.872	99.50	3.023	523.4	3.119	20.01	5.268	12.11
#3	4.897	101.5	68.29	6.164	100.3	3.413	524.3	3.293	19.94	4.521	11.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**42.22**	**47.04**	**367.4**	**532.5**	**5.052**	**1174.**	**19.67**	**8.333**	**19.38**	**21.25**	**18.30**
Stddev	.49	3.12	11.0	3.5	.031	9.	.32	1.951	.74	2.55	.30
%RSD	1.167	6.626	2.991	.6528	.6077	.8058	1.639	23.42	3.798	12.02	1.651
#1	42.50	47.15	363.3	531.9	5.041	1166.	19.91	10.19	19.98	21.27	18.08
#2	42.51	50.10	359.1	529.4	5.027	1184.	19.80	8.502	19.60	18.68	18.65
#3	41.65	43.87	379.9	536.2	5.086	1170.	19.31	6.302	18.56	23.79	18.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.69**	**23.96**	**9.872**	**9.796**	**8.190**	**502.7**	**518.9**	**10.66**	**10.63**
Stddev	.45	.06	.280	.140	2.157	5.8	16.5	.57	.53
%RSD	2.274	.2301	2.838	1.434	26.33	1.161	3.173	5.347	4.945
#1	19.82	23.90	9.697	9.655	10.62	506.6	537.9	10.62	10.13
#2	20.07	23.98	10.20	9.796	6.496	505.4	509.3	11.25	11.18
#3	19.20	24.00	9.723	9.936	7.456	496.0	509.5	10.11	10.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25422.**	**45737.**	**19323.**
Stddev	318.	236.	131.
%RSD	1.2498	.51658	.67924
#1	25131.	45977.	19295.
#2	25374.	45731.	19207.
#3	25761.	45504.	19466.

Sample Name: 2RL Acquired: 8/16/2011 18:22:14 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.798**	**194.7**	**230.0**	**16.72**	**200.2**	**5.779**	**1050.**	**6.600**	**40.12**	**10.97**	**22.53**
Stddev	.296	2.7	10.7	2.16	.5	.158	13.	.131	.33	.50	.48
%RSD	3.026	1.382	4.635	12.92	.2581	2.737	1.272	1.979	.8104	4.533	2.150
#1	10.08	193.3	231.5	14.82	200.7	5.928	1053.	6.527	40.37	10.40	22.71
#2	9.492	197.8	218.6	19.07	200.3	5.613	1035.	6.521	39.75	11.29	22.89
#3	9.817	193.0	239.8	16.27	199.7	5.796	1061.	6.751	40.24	11.23	21.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**92.81**	**92.47**	**866.9**	**1054.**	**10.27**	**2110.**	**38.80**	**20.46**	**37.35**	**40.69**	**36.92**
Stddev	.46	4.03	107.2	50.	.06	29.	.36	1.32	3.84	5.82	.74
%RSD	.4920	4.353	12.36	4.786	.5736	1.390	.9182	6.465	10.28	14.31	1.991
#1	93.09	89.43	803.3	1004.	10.25	2137.	39.18	19.33	39.00	47.14	36.11
#2	93.06	97.04	990.7	1053.	10.34	2079.	38.77	21.92	32.96	35.83	37.54
#3	92.29	90.96	806.9	1105.	10.22	2113.	38.47	20.14	40.09	39.10	37.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38.81**	**47.80**	**19.18**	**19.57**	**16.84**	**988.4**	**1050.**	**20.86**	**22.64**
Stddev	.64	.33	.22	.15	1.00	6.8	18.	.68	.81
%RSD	1.660	.6848	1.151	.7430	5.957	.6900	1.676	3.275	3.597
#1	38.24	47.76	19.04	19.73	17.47	984.3	1067.	21.03	23.52
#2	38.67	47.49	19.44	19.54	17.37	996.3	1032.	21.44	21.90
#3	39.51	48.14	19.07	19.44	15.68	984.8	1049.	20.10	22.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25155.**	**46068.**	**18589.**
Stddev	240.	667.	357.
%RSD	.95265	1.4486	1.9191
#1	25319.	46614.	18724.
#2	24880.	45324.	18857.
#3	25265.	46266.	18184.

Sample Name: IOS Acquired: 8/16/2011 18:27:07 Type: QC
Method: PROMIUM(v17) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8032	^F *****	304900.	-5.419	.8407	.0321	301500.	2.058	-1.303	1.261	5.770
Stddev	.4405	-----	576.	2.735	.4178	.4071	1908.	.411	.074	.538	.205
%RSD	54.84	-----	.1890	50.47	49.70	1269.	.6327	19.95	5.669	42.67	3.562
#1	-.8260	^ -----	304900.	-8.556	.5237	-.2772	303400.	2.423	-1.251	1.217	5.851
#2	-1.232	^ -----	304400.	-4.173	.6842	-.1199	301500.	2.139	-1.388	.7466	5.924
#3	-.3518	^ -----	305500.	-3.530	1.314	.4934	299600.	1.614	-1.270	1.820	5.537
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	284800.	2.675	300700.	-.1288	290600.	-2.945	6.857	-13.55	10.35	.5993
Stddev	-----	3466.	37.78	885.	.0811	3069.	1.422	1.218	3.31	1.06	2.677
%RSD	-----	1.217	1412.	.2943	63.00	1.056	48.29	17.76	24.40	10.24	446.6
#1	^ -----	280800.	-40.90	301600.	-.1372	289300.	-4.587	7.001	-11.51	11.30	-.4632
#2	^ -----	286700.	22.57	300500.	-.0437	288400.	-2.101	7.997	-17.36	10.54	-1.383
#3	^ -----	286800.	26.35	299900.	-.2053	294100.	-2.147	5.574	-11.78	9.204	3.644
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.069	2.407	-1.964	1.456	-2.528	-9.564	6.142	1.868	2.394
Stddev	.430	.179	.350	.328	.645	1.391	6.074	1.648	1.006
%RSD	20.80	7.431	17.82	22.52	25.51	14.55	98.88	88.20	42.05
#1	-2.453	2.552	-1.902	1.358	-3.219	-9.026	2.092	3.623	2.972
#2	-1.604	2.207	-2.341	1.822	-1.942	-8.523	13.13	.3526	1.232
#3	-2.149	2.462	-1.650	1.189	-2.423	-11.14	3.208	1.630	2.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23459.	43510.	18514.
Stddev	233.	312.	1.
%RSD	.99181	.71595	.00535
#1	23191.	43846.	18514.
#2	23596.	43231.	18514.
#3	23591.	43452.	18512.

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Project No.: 11070033

Date(s) of Sample Analysis: 8/8/11 Date(s) of Sample Prep.: 7/28/11

Preparer(s): F. Xu Analyst(s): F. Xu

(Circle) Matrix: Aqueous (Solid) Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: TAL Metals)	YES	NO	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?		✓	
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		
II. DIGESTION BATCH QC: (for the elements of interest stated above)			
A. Prep Blank < Reporting Limit for all elements of interest?	✓		
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)	✓		
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?	✓		
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?		✓	
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?		✓	
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project	✓		
G. For samples with results > Reporting Limit, was the % RSD < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)	✓		
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: [signature] Date: 8/24/11

Peer Review: [signature] Date: 10/10/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: JEWETT WHITE LEAD

Project # 11070033

Twenty one (21) soil samples (AN03414– 3434) were analyzed for TAL Metals by ICP-AES on 08/08/11.
All of the above samples were already received dried and hence the reported results are based on the assumed 100% solids.

The following samples were re-analyzed at 10X dilutions and reported accordingly:
Fe -- > 10X-- > AN03419
Pb -- > 10X-- > AN03422, AN03424

Note: Other samples that require dilution were re-analyzed on 08/09/11.

The Reporting Limit (RL) for **As** was raised to 2RL since the RL-End (11.51 ppb) was above the upper acceptance limit of 130%. Note: No samples were impacted since all results for arsenic were < 2xRL.

Matrix Spike #1:
The percent recoveries of the Matrix Spike (AN03414 MS) were outside the control limits of 75 - 125% for **Al, Ca, Cr, Cu, Fe, Mg, Mn, Ni,** and **Pb.**. However, since the un-spike sample concentrations were greater than 1X spike levels, the QC qualifiers associated with these analytes were considered not applicable (N/A).

The percent recovery of the Matrix Spike (AN03414 MS) was greater than the upper control limit of 125% for **Sb** (%R = 130.1). However, since analyte's concentration in the un-spike sample was below RL, the qualifier "K" was considered not applicable (N/A).

The % Difference between the Matrix Spike (MS) and the Serial Dilution (SDL) for **zinc** (%D = -11.41) was outside the acceptance range of -10% to +10%. Hence, the detected original sample result for zinc was considered estimated and qualified with a **"J"**.
"J" -- > Zn -- > AN03414

Matrix Spike #2:
The percent recoveries of the Matrix Spike (AN03428 MS) were outside the control limits of 75 - 125% for **Al, Ba, Ca, Cr, Cu, Fe, Mg, Mn, Pb, Sb,** and **Zn.** However, since the un-spike sample concentrations were greater than 1X spike levels, the QC qualifiers associated with these analytes were considered not applicable (N/A).

The percent recoveries of the Matrix Spike (AN03428 MS) were below the lower control limit of 75% for **Se** (%R = 69) and **Tl** (%R = 58). Therefore, these analytes undetected results in the original (un-spike) sample were qualified with **"UL"**.
"UL" -- > Se, Tl -- > AN03428

The % Difference between the Matrix Spike (MS) and the Serial Dilution (SDL) for **zinc** (%D = -12.46) was outside the acceptance range of -10% to +10%. Hence, the detected original sample result for zinc was considered estimated and qualified with a **"J"**.
"J" -- > Zn -- > AN03428

AN03414 Xu "y"
AN03428 Xu - "y"

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 21 SDs

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: F. XU

SAMPLE PREPARATION DATE(S): 07/28/11

ANALYSIS DATE: 08/08/11

DATA FILE: ESAT080811

ELEMENT(S) OF INTEREST: TAL METALS

COVER PAGE

ICAP 6300 QC ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	08 Aug 2011			ug/L	08 Aug 2011	
		15:36:55				15:41:13	
Ag3280	200	200.3	100.2	PASS	5	-0.1519	PASS
Al3082A	5000	4932	98.6	PASS	100	-1.579	PASS
Al3082R	5000	5008	100.2	PASS	100	3.053	PASS
As1890	200	196.9	98.5	PASS	8	1.409	PASS
Ba4554R	200	200.3	100.2	PASS	100	0.3478	PASS
Be3131R	200	201.3	100.7	PASS	3	0.2761	PASS
Ca3179R	5000	5191	103.8	PASS	500	-2.095	PASS
Cd2265	200	200.6	100.3	PASS	3	0.1306	PASS
Co2286	200	193.9	97.0	PASS	20	-0.298	PASS
Cr2677	200	209.7	104.9	PASS	5	-0.4184	PASS
Cu3247	200	204.9	102.5	PASS	5	-0.4203	PASS
Fe2599A	5000	5238	104.8	PASS	50	-1.671	PASS
Fe2599R	5000	5144	102.9	PASS	50	-1.205	PASS
K_7664R	5000	5131	102.6	PASS	500	0.8909	PASS
Mg2790R	5000	5168	103.4	PASS	500	10.21	PASS
Mn2576	200	211.6	105.8	PASS	5	0.1184	PASS
Na5895R	5000	5153	103.1	PASS	1000	-51.57	PASS
Ni2316	200	198.9	99.5	PASS	20	0.1859	PASS
Pb2203	200	196.9	98.5	PASS	8	-0.3338	PASS
Sb2068	200	192.4	96.2	PASS	20	-1.6	PASS
Se1960	200	197.3	98.7	PASS	20	0.2171	PASS
Tl1908	200	200.5	100.3	PASS	20	0.4412	PASS
V_2924	200	201.5	100.8	PASS	20	0.4078	PASS
Zn2062	200	198.3	99.2	PASS	20	0.4065	PASS
Mo2020	200	200	100.0	PASS	10	0.7332	PASS
Ti3372	200	200.9	100.5	PASS	10	0.1817	PASS
B_2089	200	207.7	103.9	PASS	10	3.868	PASS
Si2881A	5000	5038	100.8	PASS	500	-0.2383	PASS
Si2881R	5000	5067	101.3	PASS	500	3.782	PASS
Sr3464	200	208.2	104.1	PASS	10	0.4991	PASS
Sn1899	200	203.2	101.6	PASS	10	0.5617	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC

RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG
	ug/L	ug/L	ug/L	08 Aug 2011			08 Aug 2011		
				15:45:40			19:18:48		
Ag3280	5	3.5	6.5	5.024	100.5	PASS	4.711	94.2	PASS
Al3082A	100	70.0	130	109.3	109.3	PASS	105.8	105.8	PASS
Al3082R	100	70.0	130	106.8	106.8	PASS	103.9	103.9	PASS
As1890	8	5.6	10.4	10.3	128.8	PASS	11.51	143.9	FAIL
Ba4554R	100	70.0	130	100.9	100.9	PASS	99.58	99.6	PASS
Be3131R	3	2.1	3.9	2.936	97.9	PASS	3.231	107.7	PASS
Ca3179R	500	350	650	502.7	100.5	PASS	508.7	101.7	PASS
Cd2265	3	2.1	3.9	2.941	98.0	PASS	2.942	98.1	PASS
Co2286	20	14.0	26.0	19.8	99.0	PASS	19.78	98.9	PASS
Cr2677	5	3.5	6.5	4.865	97.3	PASS	5.192	103.8	PASS
Cu3247	10	7.0	13.0	10.76	107.6	PASS	10.92	109.2	PASS
Fe2599A	50	35.0	65.0	48.36	96.7	PASS	49.83	99.7	PASS
Fe2599R	50	35.0	65.0	48.02	96.0	PASS	49.5	99.0	PASS
K_7664R	500	350	650	466.8	93.4	PASS	429.1	85.8	PASS
Mg2790R	500	350	650	494.6	98.9	PASS	520.2	104.0	PASS
Mn2576	5	3.5	6.5	5.21	104.2	PASS	5.334	106.7	PASS
Na5895R	1000	700	1300	980.7	98.1	PASS	953	95.3	PASS
Ni2316	20	14.0	26.0	19.88	99.4	PASS	19.89	99.5	PASS
Pb2203	8	5.6	10.4	7.595	94.9	PASS	9.019	112.7	PASS
Sb2068	20	14.0	26.0	17.14	85.7	PASS	19.33	96.7	PASS
Se1960	20	14.0	26.0	19.56	97.8	PASS	18.26	91.3	PASS
Tl1908	20	14.0	26.0	18.69	93.5	PASS	20.54	102.7	PASS
V_2924	20	14.0	26.0	19.95	99.8	PASS	20.25	101.3	PASS
Zn2062	20	14.0	26.0	21.59	108.0	PASS	23.04	115.2	PASS
Mo2020	10	7.0	13.0	10.44	104.4	PASS	9.809	98.1	PASS
Ti3372	10	7.0	13.0	10.11	101.1	PASS	10.03	100.3	PASS
B_2089	10	7.0	13.0	12.66	126.6	PASS	7.235	72.4	PASS
Si2881A	500	350	650	521.4	104.3	PASS	519.3	103.9	PASS
Si2881R	500	350	650	504.5	100.9	PASS	519.4	103.9	PASS
Sr3464	10	7.0	13.0	10.72	107.2	PASS	10.98	109.8	PASS
Sn1899	10	7.0	13.0	10.39	103.9	PASS	11.77	117.7	PASS

* Raised RL to 2RL

Darkened Area = Not Elements of Interest

ICAP 6300 QC 2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	08 Aug 2011			08 Aug 2011		
				15:50:06			19:23:17		
Ag3280	10	7.0	13.0	10.36	103.6	PASS	9.857	98.6	PASS
Al3082A	200	140	260	208.1	104.1	PASS	198.5	99.3	PASS
Al3082R	200	140	260	213.6	106.8	PASS	206.5	103.3	PASS
As1890	16	11.2	20.8	19.29	120.6	PASS	17.12	107.0	PASS
Ba4554R	200	140	260	199.9	100.0	PASS	198.6	99.3	PASS
Be3131R	6	4.2	7.8	6.163	102.7	PASS	6.004	100.1	PASS
Ca3179R	1000	700	1300	1009	100.9	PASS	1029	102.9	PASS
Cd2265	6	4.2	7.8	5.807	96.8	PASS	5.978	99.6	PASS
Co2286	40	28.0	52.0	39.64	99.1	PASS	39.98	100.0	PASS
Cr2677	10	7.0	13.0	10.49	104.9	PASS	10.46	104.6	PASS
Cu3247	20	16.0	24	20.99	105.0	PASS	20.41	102.1	PASS
Fe2599A	100	70.0	130	99.78	99.8	PASS	100.6	100.6	PASS
Fe2599R	100	70.0	130	94.95	95.0	PASS	102.1	102.1	PASS
K_7664R	1000	700	1300	967.4	96.7	PASS	910.1	91.0	PASS
Mg2790R	1000	700	1300	1017	101.7	PASS	1041	104.1	PASS
Mn2576	10	7.0	13.0	10.72	107.2	PASS	10.7	107.0	PASS
Na5895R	2000	1400	2600	1986	99.3	PASS	2003	100.2	PASS
Ni2316	40	28.0	52.0	39.81	99.5	PASS	39.87	99.7	PASS
Pb2203	16	11.2	20.8	15.37	96.1	PASS	18.07	112.9	PASS
Sb2068	40	28.0	52.0	36.09	90.2	PASS	36.28	90.7	PASS
Se1960	40	28.0	52.0	37.6	94.0	PASS	37.45	93.6	PASS
Tl1908	40	28.0	52.0	40.43	101.1	PASS	39	97.5	PASS
V_2924	40	28.0	52.0	40.49	101.2	PASS	39.61	99.0	PASS
Zn2062	40	28.0	52.0	43.21	108.0	PASS	45.65	114.1	PASS
Mo2020	20	14.0	26.0	20.43	102.2	PASS	19.79	99.0	PASS
Ti3372	20	14.0	26.0	20.51	102.6	PASS	19.87	99.4	PASS
B_2089	20	14.0	26.0	21.33	106.7	PASS	17.6	88.0	PASS
Si2881A	1000	700	1300	1026	102.6	PASS	1006	100.6	PASS
Si2881R	1000	700	1300	1009	100.9	PASS	1039	103.9	PASS
Sr3464	20	14.0	26.0	21.73	108.7	PASS	20.94	104.7	PASS
Sn1899	20	14.0	26.0	20.47	102.4	PASS	21.64	108.2	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	08 Aug 2011			08 Aug 2011			
				15:54:30			19:27:40			
Ag3280	0	-5.0	5.0	-1.732		PASS	-1.651		PASS	
Al3082A	300000	200000	300000	261500	*N/A	*N/A	251400	*N/A	*N/A	switch to radial
Al3082R	300000	200000	300000	298100	99.4	PASS	298400	99.5	PASS	
As1890	0	-8.0	8.0	4.8		PASS	2.902		PASS	
Ba4554R	0	-100	100	0.2354		PASS	0.2318		PASS	
Be3131R	0	-3.0	3.0	-0.1768		PASS	-0.1374		PASS	
Ca3179R	300000	200000	300000	300700	100.2	PASS	303100	101.0	PASS	
Cd2265	0	-3.0	3.0	-1.225		PASS	-2.401		PASS	
Co2286	0	-20.0	20.0	-0.937		PASS	-0.9404		PASS	
Cr2677	0	-5.0	5.0	-1.871		PASS	-1.691		PASS	
Cu3247	0	-5.0	5.0	4.52		PASS	5.563		FAIL	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	#VALUE!	*N/A	switch to radial
Fe2599R	300000	200000	300000	297000	99.0	PASS	308400	102.8	PASS	
K_7664R	0	-500	500	-14.16		PASS	-44.07		PASS	
Mg2790R	300000	200000	300000	295500	98.5	PASS	309500	103.2	PASS	
Mn2576	0	-5.0	5.0	0.1617		PASS	0.0384		PASS	
Na5895R	300000	200000	300000	307300	102.4	PASS	305200	101.7	PASS	
Ni2316	0	-20.0	20.0	1.641		PASS	2.056		PASS	
Pb2203	0	-8.0	8.0	-7.41		PASS	6.064		PASS	
Sb2068	0	-20.0	20.0	5.078		PASS	7.701		PASS	
Se1960	0	-20.0	20.0	-5.326		PASS	4.481		PASS	
Tl1908	0	-20.0	20.0	-0.6991		PASS	0.39		PASS	
V_2924	0	-20.0	20.0	-0.2838		PASS	-0.3449		PASS	
Zn2062	0	-20.0	20.0	3.037		PASS	3.596		PASS	
Mo2020	0	-10.0	10.0	-1.874		PASS	-2.27		PASS	
Ti3372	0	-10.0	10.0	2.031		PASS	1.889		PASS	
B_2089	0	-10.0	10.0	-0.9105		PASS	-2.857		PASS	
Si2881A	0	-500	500	5.146		PASS	-4.165		PASS	
Si2881R	0	-500	500	22.26		PASS	12.19		PASS	
Sr3464	0	-10.0	10.0	2.025		PASS	2.142		PASS	
Sn1899	0	-10.0	10.0	1.134		PASS	0.8608		PASS	

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	08 Aug 2011			ug/L	08 Aug 2011	
		16:47:30				16:51:44	
Ag3280	200	202.5	101.3	PASS	5	-0.2752	PASS
Al3082A	5000	4998	100.0	PASS	100	-1.807	PASS
Al3082R	5000	4973	99.5	PASS	100	4.912	PASS
As1890	200	190	95.0	PASS	8	0.341	PASS
Ba4554R	200	197	98.5	PASS	100	0.2563	PASS
Be3131R	200	199.3	99.7	PASS	3	-0.0628	PASS
Ca3179R	5000	5267	105.3	PASS	500	2.009	PASS
Cd2265	200	198.3	99.2	PASS	3	-0.2455	PASS
Co2286	200	191.9	96.0	PASS	20	-0.0912	PASS
Cr2677	200	216.4	108.2	PASS	5	-0.4585	PASS
Cu3247	200	204.3	102.2	PASS	5	-0.4734	PASS
Fe2599A	5000	5453	109.1	PASS	50	2.13	PASS
Fe2599R	5000	5279	105.6	PASS	50	2.46	PASS
K_7664R	5000	5034	100.7	PASS	500	-34.33	PASS
Mg2790R	5000	5327	106.5	PASS	500	11.58	PASS
Mn2576	200	217	108.5	PASS	5	-0.1532	PASS
Na5895R	5000	5175	103.5	PASS	1000	-47.9	PASS
Ni2316	200	199.2	99.6	PASS	20	-0.1677	PASS
Pb2203	200	204	102.0	PASS	8	-0.795	PASS
Sb2068	200	194.5	97.3	PASS	20	-2.921	PASS
Se1960	200	192.4	96.2	PASS	20	-0.977	PASS
Tl1908	200	198.8	99.4	PASS	20	-0.9132	PASS
V_2924	200	204	102.0	PASS	20	-0.2506	PASS
Zn2062	200	202.1	101.1	PASS	20	0.0657	PASS
Mo2020	200	196.2	98.1	PASS	10	-0.3771	PASS
Ti3372	200	200.6	100.3	PASS	10	-0.2495	PASS
B_2089	200	189.3	94.7	PASS	10	-1.059	PASS
Si2881A	5000	5126	102.5	PASS	500	2.116	PASS
Si2881R	5000	5066	101.3	PASS	500	-3.617	PASS
Sr3464	200	211.8	105.9	PASS	10	0.3009	PASS
Sn1899	200	209.6	104.8	PASS	10	0.8668	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	08 Aug 2011			ug/L	08 Aug 2011	
		17:45:49				17:50:01	
Ag3280	200	196.6	98.3	PASS	5	-0.0456	PASS
Al3082A	5000	4818	96.4	PASS	100	-2.401	PASS
Al3082R	5000	4946	98.9	PASS	100	-1.194	PASS
As1890	200	197.8	98.9	PASS	8	2.32	PASS
Ba4554R	200	194.8	97.4	PASS	100	0.441	PASS
Be3131R	200	196.1	98.1	PASS	3	0.0473	PASS
Ca3179R	5000	5173	103.5	PASS	500	2.377	PASS
Cd2265	200	203.9	102.0	PASS	3	-0.2682	PASS
Co2286	200	193.7	96.9	PASS	20	-0.3866	PASS
Cr2677	200	212.2	106.1	PASS	5	-0.6683	PASS
Cu3247	200	198.9	99.5	PASS	5	0.0281	PASS
Fe2599A	5000	5299	106.0	PASS	50	6.429	PASS
Fe2599R	5000	5201	104.0	PASS	50	7.334	PASS
K_7664R	5000	5074	101.5	PASS	500	-95.28	PASS
Mg2790R	5000	5317	106.3	PASS	500	-10.12	PASS
Mn2576	200	212.2	106.1	PASS	5	-0.11	PASS
Na5895R	5000	5136	102.7	PASS	1000	-39.39	PASS
Ni2316	200	199.1	99.6	PASS	20	0.1457	PASS
Pb2203	200	207.5	103.8	PASS	8	5.176	PASS
Sb2068	200	190.8	95.4	PASS	20	-2.3	PASS
Se1960	200	198.9	99.5	PASS	20	-0.712	PASS
Tl1908	200	197.7	98.9	PASS	20	0.0301	PASS
V_2924	200	199.4	99.7	PASS	20	0.1904	PASS
Zn2062	200	206.8	103.4	PASS	20	0.3318	PASS
Mo2020	200	195.8	97.9	PASS	10	-0.1323	PASS
Ti3372	200	197.2	98.6	PASS	10	-0.2383	PASS
B_2089	200	190.2	95.1	PASS	10	-2.97	PASS
Si2881A	5000	5025	100.5	PASS	500	0.1879	PASS
Si2881R	5000	5085	101.7	PASS	500	-2.32	PASS
Sr3464	200	209.2	104.6	PASS	10	0.3946	PASS
Sn1899	200	207.3	103.7	PASS	10	0.1462	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-3 / CCB-3 (ug/L)

ELEMENT	TRUE VALUE	CCV-3	%REC	FLAG	REP. LIMIT	CCB-3	FLAG
	ug/L	08 Aug 2011			ug/L	08 Aug 2011	
		18:43:11				18:47:23	
Ag3280	200	196.2	98.1	PASS	5	-0.0054	PASS
Al3082A	5000	4831	96.6	PASS	100	-2.523	PASS
Al3082R	5000	4892	97.8	PASS	100	4.061	PASS
As1890	200	196.5	98.3	PASS	8	2.912	PASS
Ba4554R	200	193.5	96.8	PASS	100	0.4936	PASS
Be3131R	200	194.1	97.1	PASS	3	-0.1764	PASS
Ca3179R	5000	5151	103.0	PASS	500	4.484	PASS
Cd2265	200	203.5	101.8	PASS	3	-0.1896	PASS
Co2286	200	193.3	96.7	PASS	20	-0.0048	PASS
Cr2677	200	211.4	105.7	PASS	5	-0.3339	PASS
Cu3247	200	201.1	100.6	PASS	5	0.4437	PASS
Fe2599A	5000	5336	106.7	PASS	50	8.66	PASS
Fe2599R	5000	5247	104.9	PASS	50	8.47	PASS
K_7664R	5000	5070	101.4	PASS	500	-79.64	PASS
Mg2790R	5000	5264	105.3	PASS	500	-6.727	PASS
Mn2576	200	211.5	105.8	PASS	5	-0.0722	PASS
Na5895R	5000	5072	101.4	PASS	1000	-61.13	PASS
Ni2316	200	197.7	98.9	PASS	20	-0.112	PASS
Pb2203	200	205	102.5	PASS	8	2.575	PASS
Sb2068	200	194	97.0	PASS	20	-2.673	PASS
Se1960	200	196.7	98.4	PASS	20	-0.2499	PASS
Tl1908	200	197.8	98.9	PASS	20	-2.152	PASS
V_2924	200	198.1	99.1	PASS	20	-0.5083	PASS
Zn2062	200	206.4	103.2	PASS	20	0.8476	PASS
Mo2020	200	194.6	97.3	PASS	10	0.0835	PASS
Ti3372	200	197	98.5	PASS	10	-0.3153	PASS
B_2089	200	190.5	95.3	PASS	10	-1.776	PASS
Si2881A	5000	5018	100.4	PASS	500	-3.003	PASS
Si2881R	5000	5040	100.8	PASS	500	6.313	PASS
Sr3464	200	208.8	104.4	PASS	10	0.3644	PASS
Sn1899	200	205.3	102.7	PASS	10	0.2307	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-4 / CCB-4 (ug/L)

ELEMENT	TRUE VALUE	CCV-4	%REC	FLAG	REP. LIMIT	CCB-4	FLAG
	ug/L	08 Aug 2011			ug/L	08 Aug 2011	
		19:10:09				19:14:22	
Ag3280	200	197.8	98.9	PASS	5	-0.2869	PASS
Al3082A	5000	4855	97.1	PASS	100	-2.229	PASS
Al3082R	5000	4938	98.8	PASS	100	3.026	PASS
As1890	200	199	99.5	PASS	8	-0.6245	PASS
Ba4554R	200	194.7	97.4	PASS	100	0.4981	PASS
Be3131R	200	195.5	97.8	PASS	3	-0.0984	PASS
Ca3179R	5000	5164	103.3	PASS	500	2.321	PASS
Cd2265	200	204.3	102.2	PASS	3	-0.2115	PASS
Co2286	200	193.8	96.9	PASS	20	-0.1985	PASS
Cr2677	200	212.5	106.3	PASS	5	-0.3498	PASS
Cu3247	200	200.6	100.3	PASS	5	0.0491	PASS
Fe2599A	5000	5303	106.1	PASS	50	5.252	PASS
Fe2599R	5000	5217	104.3	PASS	50	5.732	PASS
K_7664R	5000	5055	101.1	PASS	500	-117.3	PASS
Mg2790R	5000	5277	105.5	PASS	500	11.41	PASS
Mn2576	200	212	106.0	PASS	5	-0.0913	PASS
Na5895R	5000	5086	101.7	PASS	1000	-91.45	PASS
Ni2316	200	198.8	99.4	PASS	20	-0.1689	PASS
Pb2203	200	207.8	103.9	PASS	8	3.928	PASS
Sb2068	200	193.5	96.8	PASS	20	0.813	PASS
Se1960	200	196.4	98.2	PASS	20	-3.32	PASS
Tl1908	200	197.9	99.0	PASS	20	-1.491	PASS
V_2924	200	199.5	99.8	PASS	20	-0.3212	PASS
Zn2062	200	205.8	102.9	PASS	20	0.303	PASS
Mo2020	200	194.1	97.1	PASS	10	0.09	PASS
Ti3372	200	197.4	98.7	PASS	10	-0.3539	PASS
B_2089	200	190.7	95.4	PASS	10	-3.768	PASS
Si2881A	5000	5034	100.7	PASS	500	-4.012	PASS
Si2881R	5000	5048	101.0	PASS	500	0.4392	PASS
Sr3464	200	209.5	104.8	PASS	10	0.6086	PASS
Sn1899	200	205.2	102.6	PASS	10	0.035	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC

Solid Prep. Blank (PBS) - mg/Kg

ELEMENT	PBS-1 B19P06	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	08 Aug 2011	mg/Kg	mg/Kg	mg/Kg	
	15:59:37				
Ag3280	-0.0115	0.50	0.50	-0.50	PASS
Al3082A	0.5152	10.00	10.00	-10.00	PASS
Al3082R	1.229	10.00	10.00	-10.00	PASS
As1890	0.006	0.80	0.80	-0.80	PASS
Ba4554R	0.0257	10	10	-10	PASS
Be3131R	-0.0155	0.30	0.30	-0.30	PASS
Ca3179R	1.379	50	50	-50	PASS
Cd2265	-0.0234	0.30	0.30	-0.30	PASS
Co2286	-0.0233	2.0	2.0	-2.0	PASS
Cr2677	-0.0337	0.50	0.50	-0.50	PASS
Cu3247	-0.035	1.0	1.0	-1.0	PASS
Fe2599A	0.5172	5.0	5.0	-5.0	PASS
Fe2599R	0.818	5.0	5.0	-5.0	PASS
K_7664R	-0.1266	50	50	-50	PASS
Mg2790R	2.062	50	50	-50	PASS
Mn2576	-0.0209	0.50	0.50	-0.50	PASS
Na5895R	9.424	100	100	-100	PASS
Ni2316	0.0037	2.0	2.0	-2.0	PASS
Pb2203	-0.1117	0.80	0.80	-0.80	PASS
Sb2068	-0.1038	2.0	2.0	-2.0	PASS
Se1960	-0.1886	2.0	2.0	-2.0	PASS
Tl1908	0.0117	2.0	2.0	-2.0	PASS
V_2924	-0.0153	2.0	2.0	-2.0	PASS
Zn2062	-0.0326	2.0	2.0	-2.0	PASS
Mo2020	-0.0113	1.0	1.0	-1.0	PASS
Ti3372	-0.017	1.0	1.0	-1.0	PASS
B_2089	-0.018	1.0	1.0	-1.0	PASS
Si2881A**	0.9151	N/A	N/A	N/A	N/A
Si2881R**	0.017	N/A	N/A	N/A	N/A
Sr3464	0.0158	1.0	1.0	-1.0	PASS
Sn1899	0.0281	1.0	1.0	-1.0	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC

Solid LCS (LCSS) - ug/Kg

ELEMENT	LCSS-1 B19P06	LCSS-2 B19P06	MEAN	RPD	TRUE VALUE	CONTROL LIMITS LOW	CONTROL LIMITS HIGH	% REC	FLAG	
	08 Aug 2011	08 Aug 2011	mg/Kg		mg/Kg	mg/Kg	mg/Kg			
	16:04:02	16:08:42								
Ag3280	48.7	49.55	49.1	1.73	51.9	34.4	69.4	95	PASS	
Al3082A	6511	6817	6664.0	4.59	9780	3810	15700	N/A*	N/A*	(switch to radial)
Al3082R	6845	6927	6886.0	1.19	9780	3810	15700	70	PASS	
As1890	100.1	99.47	99.8	0.63	109	90.7	128	92	PASS	
Ba4554R	292.9	295.7	294.3	0.95	325	270	380	91	PASS	
Be3131R	85.86	86.62	86.2	0.88	92.1	77.1	107	94	PASS	
Ca3179R	6064	5800	5932.0	4.45	6700	5250	8150	89	PASS	
Cd2265	96.43	98.67	97.6	2.30	110	88.8	131	89	PASS	
Co2286	117.8	117.3	117.6	0.43	133	108	158	88	PASS	
Cr2677	85.12	87.78	86.5	3.08	93.4	75.3	112	93	PASS	
Cu3247	74.06	75.56	74.8	2.01	74.7	62.6	86.8	100	PASS	
Fe2599A	10070	10190	10130.0	N/A*	13100	6620	19500	N/A*	N/A*	(switch to radial)
Fe2599R	11630	11540	11585.0	0.78	13100	6620	19500	88	PASS	
K_7664R	2123	2151	2137.0	1.31	2770	1810	3730	77	PASS	
Mg2790R	2478	2488	2483.0	0.40	2980	2070	3880	83	PASS	
Mn2576	403.4	410.5	407.0	1.74	443	340	546	92	PASS	
Na5895R	632.5	630.3	631.4	0.35	724	513	936	87	PASS	
Ni2316	95.06	95.83	95.4	0.81	109	88.5	129	88	PASS	
Pb2203	130.4	128	129.2	1.86	152	120	184	85	PASS	
Sb2068	128.9	134.4	131.7	4.18	121	20	265	109	PASS	
Se1960	186.8	192.8	189.8	3.16	207	164	249	92	PASS	
Tl1908	152.8	154.8	153.8	1.30	171	133	208	90	PASS	
V_2924	98.51	100.3	99.4	1.80	110	84.5	136	90	PASS	
Zn2062	255.7	254.8	255.3	0.35	299	245	352	85	PASS	
Mo2020	73.29	72.63	73.0	0.90	82.5	59.2	106	88	PASS	
Ti3372	137.8	134.6	136.2	2.35	193	56.9	330	71	PASS	
B_2089	123.5	121.7	122.6	1.47	142	90.7	193	86	PASS	
Si2881A**	2316	2081	2198.5	N/A	N/A	N/A	N/A	N/A	N/A	
Si2881R**	2345	2083	2214.0	N/A	N/A	N/A	N/A	N/A	N/A	
Sr3464	94.89	96.08	95.5	1.25	111	84.7	136	86	PASS	
Sn1899	122.6	123	122.8	0.33	135	107	163	91	PASS	

N/A* = Not Applicable since Axial mode pre-calculated value in ug/L was at saturated detector or above the LDR limit.
Darkened Area = Not Elements of Interest

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03414	AN03414 MS	SPIKE LEVEL	% REC	FLAG	QUALIFIER	COMMENTS
		08 Aug 2011	08 Aug 2011					
		16:13:24	16:18:21					
Ag3280	1.8	-1.305	185.5	200	92.8	PASS		
Al3082A	22.7	65240	98170	5000	658.6	K	NA	> 1X spike level
Al3082R	36.3	66020	101500	5000	709.6	K	NA	> 1X spike level
As1890	3.6	60.68	225.5	200	82.4	PASS		
Ba4554R	37	689.4	852.1	200	81.4	PASS		
Be3131R	1.8	3.764	188.9	200	92.6	PASS		
Ca3179R	240	21660	30380	5000	174.4	K	N/A	> 1X spike level
Cd2265	1.8	1.923	167.7	200	82.9	PASS		
Co2286	7.4	225.1	446.1	200	110.5	PASS		
Cr2677	3.6	380.4	730.1	200	174.9	K	NA	> 1X spike level
Cu3247	5.6	403.9	711.6	200	153.9	K	NA	> 1X spike level
Fe2599A	15	F 175400.	^ *****	5000	N/A	K	N/A	(saturation) Switch to radial
Fe2599R	16	209500	252300	5000	856.0	K	NA	> 1X spike level
K_7664R	190	9343	14680	5000	106.7	PASS		
Mg2790R	170	129000	178000	5000	980.0	K	NA	> 1X spike level
Mn2576	3.7	4809	4524	200	-142.5	L	NA	> 1X spike level
Na5895R	340	4477	9078	5000	92.0	PASS		
Ni2316	7.6	2764	3687	200	461.5	K	NA	> 1X spike level
Pb2203	4.2	1365	3976	200	1305.5	K	NA	> 1X spike level
Sb2068	14	8.216 *	260.2	200	130.1	K	N/A	* below RL (no qualifier)
Se1960	12	1.191	160.4	200	80.2	PASS		
Tl1908	9.2	-0.0048	164.3	200	82.2	PASS		
V_2924	7.5	238.7	467.5	200	114.4	PASS		
Zn2062	7.3	1193	1359	200	83.0	PASS		
Mo2020	3.6	4.019	162.2	200	79.1	PASS		
Ti3372	3.6	2973	3737	200	382.0	K	NA	
B_2089	2.4	46.94	230.6	200	91.8	PASS		
Si2881A**	40.4	19890	25130	N/A	N/A	N/A	No Spike	
Si2881R**	50.4	19890	25320	N/A	N/A	N/A	No Spike	
Sr3464	2.8	122.7	316.3	200	96.8	PASS		
Sn1899	3.2	277.1	1464	200	593.5	K	NA	

Darkened Area = Not Elements of Interest

ICAP 6300 QC

MS and SDL - % Difference

ELEMENT	MS Value (ug/L) AN03414 MS	SDL Value (ug/L) AN03414 SDL	% Difference	FLAG	QUALIFIER	COMMENTS
	08 Aug 2011	08 Aug 2011				
	16:18:21	16:23:13				
Ag3280	185.5	187.6	-1.13	PASS		
Al3082A	F 98170.	F 105600.	N/A	N/A		> LDR (switch to radial)
Al3082R	101500	105300	-3.74	PASS		
As1890	225.5	232.4	-3.06	PASS		
Ba4554R	852.1	889	-4.33	PASS		
Be3131R	188.9	197.5	-4.55	PASS		
Ca3179R	30380	32270	-6.22	PASS		
Cd2265	167.7	179.2	-6.86	PASS		
Co2286	446.1	475.9	-6.68	PASS		
Cr2677	730.1	784.2	-7.41	PASS		
Cu3247	711.6	722	-1.46	PASS		
Fe2599A	^ *****	F 265500.	N/A	N/A		> LDR (switch to radial)
Fe2599R	252300	275700	-9.27	PASS		
K_7664R	14680	15180	-3.41	PASS		
Mg2790R	178000	188300	-5.79	PASS		
Mn2576	4524	4885	-7.98	PASS		
Na5895R	9078	9441	-4.00	PASS		
Ni2316	3687	3981	-7.97	PASS		
Pb2203	3976	4333	-8.98	PASS		
Sb2068	260.2	256.5	1.42	PASS		
Se1960	160.4	175.7	-9.5	PASS		
Tl1908	164.3	177.9	-8.28	PASS		
V_2924	467.5	490.6	-4.94	PASS		
Zn2062	1359	1514	-11.41	< -10%	J	
Mo2020	162.2	168.8	-4.07	PASS		
Ti3372	3737	3896	-4.25	PASS		
B_2089	230.6	234.3	-1.60	PASS		
Si2881A**	25130	26610	-5.89	PASS		
Si2881R**	25320	26630	-5.17	PASS		
Sr3464	316.3	335.2	-5.98	PASS		
Sn1899	1464	1581	-7.99	PASS		

Darkened Area = Not Elements of Interest

ICAP 6300 QC Solid Prep. Blank (PBS) - mg/Kg

ELEMENT	PBS-2 B19P06	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	08 Aug 2011	mg/Kg	mg/Kg	mg/Kg	
	17:41:24				
Ag3280	0.0184	0.50	0.50	-0.50	PASS
Al3082A	0.2663	10.00	10.00	-10.00	PASS
Al3082R	0.8415	10.00	10.00	-10.00	PASS
As1890	0.3239	0.80	0.80	-0.80	PASS
Ba4554R	0.0394	10	10	-10	PASS
Be3131R	0.0001	0.30	0.30	-0.30	PASS
Ca3179R	2.232	50	50	-50	PASS
Cd2265	-0.0281	0.30	0.30	-0.30	PASS
Co2286	-0.0354	2.0	2.0	-2.0	PASS
Cr2677	-0.034	0.50	0.50	-0.50	PASS
Cu3247	-0.0039	1.0	1.0	-1.0	PASS
Fe2599A	1.625	5.0	5.0	-5.0	PASS
Fe2599R	1.58	5.0	5.0	-5.0	PASS
K_7664R	-6.375	50	50	-50	PASS
Mg2790R	0.5705	50	50	-50	PASS
Mn2576	0.0237	0.50	0.50	-0.50	PASS
Na5895R	-6.108	100	100	-100	PASS
Ni2316	0.0099	2.0	2.0	-2.0	PASS
Pb2203	0.676	0.80	0.80	-0.80	PASS
Sb2068	-0.146	2.0	2.0	-2.0	PASS
Se1960	0.0922	2.0	2.0	-2.0	PASS
Tl1908	-0.018	2.0	2.0	-2.0	PASS
V_2924	-0.0208	2.0	2.0	-2.0	PASS
Zn2062	0.1302	2.0	2.0	-2.0	PASS
Mo2020	-0.0175	1.0	1.0	-1.0	PASS
Ti3372	-0.0111	1.0	1.0	-1.0	PASS
B_2089	-0.2085	1.0	1.0	-1.0	PASS
Si2881A**	1.099	N/A	N/A	N/A	N/A
Si2881R**	2.064	N/A	N/A	N/A	N/A
Sr3464	0.0552	1.0	1.0	-1.0	PASS
Sn1899	0.0495	1.0	1.0	-1.0	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC

Solid LCS (LCSS) - ug/Kg

ELEMENT	LCSS-3 B19P06	LCSS-4 B19P06	MEAN	RPD	TRUE VALUE	CONTROL LIMITS LOW	HIGH	% REC	FLAG	
	08 Aug 2011	08 Aug 2011	mg/Kg		mg/Kg	mg/Kg	mg/Kg			
	17:54:26	17:59:07								
Ag3280	49.82	46.69	48.3	6.49	51.9	34.4	69.4	93	PASS	
Al3082A	6800	6557	6678.5	3.64	9780	3810	15700	N/A*	N/A*	(switch to radial)
Al3082R	6960	6792	6876.0	2.44	9780	3810	15700	70	PASS	
As1890	99.67	97.67	98.7	2.03	109	90.7	128	91	PASS	
Ba4554R	291.3	284.6	288.0	2.33	325	270	380	89	PASS	
Be3131R	85.36	84.4	84.9	1.13	92.1	77.1	107	92	PASS	
Ca3179R	5872	6075	5973.5	3.40	6700	5250	8150	89	PASS	
Cd2265	95.57	96.56	96.1	1.03	110	88.8	131	87	PASS	
Co2286	116.3	117.5	116.9	1.03	133	108	158	88	PASS	
Cr2677	88.28	87	87.6	1.46	93.4	75.3	112	94	PASS	
Cu3247	72.44	72.93	72.7	0.67	74.7	62.6	86.8	97	PASS	
Fe2599A	10750	10310	10530.0	N/A*	13100	6620	19500	N/A*	N/A*	(switch to radial)
Fe2599R	12090	11580	11835.0	4.31	13100	6620	19500	90	PASS	
K_7664R	2174	2141	2157.5	1.53	2770	1810	3730	78	PASS	
Mg2790R	2551	2503	2527.0	1.90	2980	2070	3880	85	PASS	
Mn2576	412.1	406.7	409.4	1.32	443	340	546	92	PASS	
Na5895R	632.2	612.4	622.3	3.18	724	513	936	86	PASS	
Ni2316	94.55	96.52	95.5	2.06	109	88.5	129	88	PASS	
Pb2203	129.9	129.2	129.6	0.54	152	120	184	85	PASS	
Sb2068	128.7	135.9	132.3	5.44	121	20	265	109	PASS	
Se1960	185.2	180.8	183.0	2.40	207	164	249	88	PASS	
Tl1908	153.5	149.9	151.7	2.37	171	133	208	89	PASS	
V_2924	100.7	99.42	100.1	1.28	110	84.5	136	91	PASS	
Zn2062	262.6	262.2	262.4	0.15	299	245	352	88	PASS	
Mo2020	70.7	73.29	72.0	3.60	82.5	59.2	106	87	PASS	
Ti3372	155.4	159.8	157.6	2.79	193	56.9	330	82	PASS	
B_2089	120.3	119.3	119.8	0.83	142	90.7	193	84	PASS	
Si2881A**	2519	2149	2334.0	N/A	N/A	N/A	N/A	N/A	N/A	
Si2881R**	2537	2154	2345.5	N/A	N/A	N/A	N/A	N/A	N/A	
Sr3464	95.54	96.12	95.8	0.61	111	84.7	136	86	PASS	
Sn1899	126.3	116.4	121.4	8.16	135	107	163	90	PASS	

N/A* = Not Applicable since Axial mode pre-calculated value in ug/L was at saturated detector or above the LDR limit.
Darkened Area = Not Elements of Interest

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03428	AN03428 MS	SPIKE LEVEL	% REC	FLAG	QUALIFIER	COMMENTS
		08 Aug 2011	08 Aug 2011					
		18:03:49	18:08:41					
Ag3280	1.8	-2.846	159.8	200	79.9	PASS		
Al3082A	22.7	32170	46100	5000	278.6	K	N/A	> 1X spike level
Al3082R	36.3	32540	48300	5000	315.2	K	N/A	> 1X spike level
As1890	3.6	401.7	594.8	200	96.6	PASS		
Ba4554R	37	2911	4166	200	627.5	K	N/A	> 1X spike level
Be3131R	1.8	1.822	163	200	80.6	PASS		
Ca3179R	240	34780	41610	5000	N/A	N/A	N/A	> 1X spike level
Cd2265	1.8	23.64	181.8	200	79.1	PASS		
Co2286	7.4	167.2	333.7	200	83.3	PASS		
Cr2677	3.6	380	702.7	200	161.4	K	N/A	> 1X spike level
Cu3247	5.6	23230	28410	200	2590.0	K	N/A	> 1X spike level
Fe2599A	15	^ *****	^ *****	5000	N/A	K	N/A	(saturation) Switch to radial
Fe2599R	16	F 1446000.	F 1592000.	5000	N/A	N/A	N/A	> LDR
K_7664R	190	2928	8010	5000	101.6	PASS		
Mg2790R	170	10160	16810	5000	133.0	K	N/A	> 1X spike level
Mn2576	3.7	4794	5668	200	437.0	K	N/A	> 1X spike level
Na5895R	340	7569	13250	5000	113.6	PASS		
Ni2316	7.6	535.4	753.8	200	109.2	PASS		
Pb2203	4.2	38710	43050	200	2170.0	K	N/A	> 1X spike level
Sb2068	14	253.3	547	200	146.9	K	N/A	> 1X spike level
Se1960	12	-8.029	138	200	69.0	L	**UL**	
Tl1908	9.2	-0.2708	116.1	200	58.1	L	**UL**	
V_2924	7.5	422.8	663.7	200	120.5	PASS		
Zn2062	7.3	11420	13960	200	1270.0	K	NA	> 1X spike level
Mo2020	3.6	23.76	175.9	200	76.1	PASS		
Ti3372	3.6	2034	2663	200	314.5	K	NA	
B_2089	N/A	84.3	241.8	N/A	N/A	N/A	NO SPIKE	
Si2881A**	N/A	14030	21010	N/A	N/A	N/A	NO SPIKE	
Si2881R**	N/A	14410	21950	N/A	N/A	N/A	NO SPIKE	
Sr3464	N/A	391.6	495.5	N/A	N/A	N/A	NO SPIKE	
Sn1899	N/A	2317	2966	N/A	N/A	N/A	NO SPIKE	

Darkened Area = Not Elements of Interest

ICAP 6300 QC

MS and SDL - % Difference

ELEMENT	MS Value (ug/L) AN03428 MS	SDL Value (ug/L) AN03428 SDL	% Difference	FLAG	QUALIFIER	COMMENTS
	08 Aug 2011	08 Aug 2011				
	18:08:41	18:13:31				
Ag3280	159.8	153.2	4.13	PASS		
Al3082A	46100	47080	-2.13	PASS		
Al3082R	48300	47800	1.04	PASS		
As1890	594.8	609.4	-2.45	PASS		
Ba4554R	4166	4086	1.92	PASS		
Be3131R	163	163.1	-0.06	PASS		
Ca3179R	41610	42950	-3.22	PASS		
Cd2265	181.8	178.6	1.76	PASS		
Co2286	333.7	352.1	-5.51	PASS		
Cr2677	702.7	710.2	-1.07	PASS		
Cu3247	28410	28270	0.49	PASS		
Fe2599A	^ *****	^ *****	N/A	N/A		(saturation) Switch to radial
Fe2599R	F 1592000.	F 1960000.	N/A	N/A		> LDR
K_7664R	8010	7781	2.86	PASS		
Mg2790R	16810	18050	-7.38	PASS		
Mn2576	5668	5975	-5.42	PASS		
Na5895R	13250	12850	3.02	PASS		
Ni2316	753.8	768.9	-2.00	PASS		
Pb2203	43050	46600	-8.25	PASS		
Sb2068	547	545.9	0.20	PASS		
Se1960	138	134.8	2.32	PASS		
Tl1908	116.1	124.8	-7.49	PASS		
V_2924	663.7	657.5	0.93	PASS		
Zn2062	13960	15700	-12.46	< -10%	J	
Mo2020	175.9	176.9	-0.57	PASS		
Ti3372	2663	2670	-0.26	PASS		
B_2089	241.8	246	-1.74	PASS		
Si2881A**	21010	21700	-3.28	PASS		
Si2881R**	21950	22250	-1.37	PASS		
Sr3464	495.5	512.8	-3.49	PASS		
Sn1899	2966	3201	-7.92	PASS		

Darkened Area = Not Elements of Interest

	Pos ID	Type	Samplename	Comment	Instrument	Method	CorrFact	Check	Check Table	Fail Action
1	1	QC	PBS-1 B19P06		ICAP6300	SOP-C-109	0.08333	☒	PBS	None
2	2	QC	LCSS-1 B19P06		ICAP6300	SOP-C-109	0.08621	☒	LCSS	None
3	3	QC	LCSS-2 B19P06		ICAP6300	SOP-C-109	0.08333	☒	LCSS	None
4	4	Unk	AN03414	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	AN03414 MS	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	AN03414 SDL	Jewett White (11070033)	ICAP6300	SOP-C-109	5	☒	LDR	---
7	7	Unk	AN03415	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	AN03416	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	Unk	AN03417	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
10	10	Unk	AN03418	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
11	11	Unk	AN03419	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
12	12	Unk	AN03420	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
13	13	Unk	AN03421	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
14	14	Unk	AN03422	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
15	15	Unk	AN03423	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
16	16	Unk	AN03424	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
17	17	Unk	AN03425	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
18	18	Unk	AN03426	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
19	19	Unk	AN03427	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
20	20	QC	PBS-2 B19P06		ICAP6300	SOP-C-109	0.08333	☒	PBS	None
21	21	QC	LCSS-3 B19P06		ICAP6300	SOP-C-109	0.09434	☒	LCSS	None
22	22	QC	LCSS-4 B19P06		ICAP6300	SOP-C-109	0.08929	☒	LCSS	None
23	23	Unk	AN03428	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
24	24	Unk	AN03428 MS	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
25	25	Unk	AN03428 SDL	Jewett White (11070033)	ICAP6300	SOP-C-109	5	☒	LDR	---
26	26	Unk	AN03428	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
27	27	Unk	AN03429	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
28	28	Unk	AN03430	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
29	29	Unk	AN03431	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
30	30	Unk	AN03432	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
31	31	Unk	AN03433	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
32	32	Unk	AN03434	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
33	33	Unk	AN03419 X10	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
34	34	Unk	AN03422 X10	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
35	35	Unk	AN03424 X10	Jewett White (11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---

SUMMARY - VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	8 Aug 2011 15:22:48	8 Aug 2011 15:27:13	8 Aug 2011 15:31:36	8 Aug 2011 15:36:55	8 Aug 2011 15:41:13	8 Aug 2011 15:45:40	8 Aug 2011 15:50:06	8 Aug 2011 15:54:30
Ag3280	-.0004	.4508	.8613	200.3	-.1519	5.024	10.36	-1.732
Al3961A	.0085	3.322	6.422	4932.	-1.579	109.3	208.1	261500.
Al3961R	.0012	.2229	.4384	5008.	3.053	106.8	213.6	298100.
As1890	.0000	.1528	.3126	196.9	1.409	10.30	19.29	4.800
Ba4554R	.0073	11.80	23.25	200.3	.3478	100.9	199.9	.2354
Be3131R	.0001	6.575	12.79	201.3	.2761	2.936	6.163	-.1768
Ca3179R	.0050	.5974	1.175	5191.	-2.095	502.7	1009.	300700.
Cd2265	.0002	6.056	11.86	200.6	.1306	2.941	5.807	-1.225
Co2286	.0001	2.108	4.275	193.9	-.2980	19.80	39.64	-.9370
Cr2677	.0000	1.420	2.727	209.7	-.4184	4.865	10.49	-1.871
Cu3247	.0099	4.405	8.482	204.9	-.4203	10.76	20.99	4.520
Fe2599A	.0029	3.025	5.775	5238.	-1.671	48.36	99.78	^ *****
Fe2599R	.0004	.3826	.7670	5144.	-1.205	48.02	94.95	297000.
K_7664R	-.0065	.1239	.2523	5131.	.8909	466.8	967.4	-14.16
Mg2790R	.0001	.0632	.1272	5168.	10.21	494.6	1017.	295500.
Mn2576	.0010	19.35	36.84	211.6	.1184	5.210	10.72	.1617
Na5895R	.0153	.4483	.8721	5153.	-51.57	980.7	1986.	307300.
Ni2316	-.0001	1.197	2.417	198.9	.1859	19.88	39.81	1.641
Pb2203	.0002	.4551	.9166	196.9	-.3338	7.595	15.37	-7.410
Sb2068	.0001	.3101	.6310	192.4	-1.600	17.14	36.09	5.078
Se1960	.0002	.1190	.2420	197.3	.2171	19.56	37.60	-5.326
Tl1908	-.0001	.2525	.5082	200.5	.4412	18.69	40.43	-.6991
V_2924	.0001	4.173	7.986	201.5	.4078	19.95	40.49	-.2838
Zn2062	.0010	2.594	5.195	198.3	.4065	21.59	43.21	3.037
Mo2020	.0000	1.577	3.215	200.0	.7332	10.44	20.43	-1.874
Ti3372	-.0008	11.29	21.92	200.9	.1817	10.11	20.51	2.031
B_2089	.0004	.7170	1.452	207.7	3.868	12.66	21.33	-.9105
Si2881A	.0080	.7579	1.456	5038.	-.2383	521.4	1026.	5.146
Si2881R	.0007	.1029	.2047	5067.	3.782	504.5	1009.	22.26
Sn1899	.0001	.4050	.8108	203.2	.5617	10.39	20.47	1.134
Sr3464	-.0008	3.100	6.012	208.2	.4991	10.72	21.73	2.025
Y_2243-A	24288.	24139.	23800.	24813.	23489.	23691.	24149.	21238.
Y_3203-A	40562.	39394.	40359.	39966.	38815.	39144.	38638.	35298.
Y_3600-R	26635.	26008.	25810.	25056.	25565.	25796.	24817.	25410.

SUMMARY - VERTICAL REPORT

	PBS-1 B19 P06	LCSS-1 B19 P06	LCSS-2 B19 P06	AN03414	AN03414 MS	AN03414 SDL	AN03415	AN03416	AN03417
	8 Aug 2011 15:59:37	8 Aug 2011 16:04:02	8 Aug 2011 16:08:42	8 Aug 2011 16:13:24	8 Aug 2011 16:18:21	8 Aug 2011 16:23:13	8 Aug 2011 16:27:44	8 Aug 2011 16:32:27	8 Aug 2011 16:37:25
Ag3280	-.0115	48.70	49.55	-1.305	185.5	187.6	-.6400	-.4455	-1.268
Al3961A	.5152	6511.	6817.	65240.	F 98170.	F 105600.	62280.	F 76550.	F 79540.
Al3961R	1.229	6845.	6927.	66020.	101500.	105300.	64160.	79050.	82410.
As1890	.0060	100.1	99.47	60.68	225.5	232.4	80.63	410.7	117.7
Ba4554R	.0257	292.9	295.7	689.4	852.1	889.0	722.7	1314.	1152.
Be3131R	-.0155	85.86	86.62	3.764	188.9	197.5	3.658	10.53	6.951
Ca3179R	1.379	6064.	5800.	21660.	30380.	32270.	12710.	147000.	93450.
Cd2265	-.0234	96.43	98.67	1.923	167.7	179.2	3.151	7.539	3.451
Co2286	-.0233	117.8	117.3	225.1	446.1	475.9	367.6	272.2	127.7
Cr2677	-.0337	85.12	87.78	380.4	730.1	784.2	670.4	810.2	373.7
Cu3247	-.0350	74.06	75.56	403.9	711.6	722.0	542.7	3830.	1516.
Fe2599A	.5172	10070.	10190.	F 175400.	^ *****	F 265500.	^ *****	^ *****	F 183600.
Fe2599R	.8180	11630.	11540.	209500.	252300.	275700.	266700.	F 576200.	221400.
K_7664R	-.1266	2123.	2151.	9343.	14680.	15180.	9528.	18210.	10920.
Mg2790R	2.062	2478.	2488.	129000.	178000.	188300.	211400.	146100.	98490.
Mn2576	-.0209	403.4	410.5	4809.	4524.	4885.	2178.	5287.	3281.
Na5895R	9.424	632.5	630.3	4477.	9078.	9441.	9306.	12870.	2746.
Ni2316	.0037	95.06	95.83	2764.	3687.	3981.	5247.	1826.	1137.
Pb2203	-.1117	130.4	128.0	1365.	3976.	4333.	1832.	3371.	2130.
Sb2068	-.1038	128.9	134.4	8.216	260.2	256.5	7.858	58.87	16.84
Se1960	-.1886	186.8	192.8	1.191	160.4	175.7	-1.430	-3.588	-1.778
Tl1908	.0117	152.8	154.8	-.0048	164.3	177.9	.5224	-1.862	.4065
V_2924	-.0153	98.51	100.3	238.7	467.5	490.6	256.0	310.2	320.3
Zn2062	-.0326	255.7	254.8	1193.	1359.	1514.	1654.	11060.	5104.
Mo2020	-.0113	73.29	72.63	4.019	162.2	168.8	6.001	284.3	63.27
Ti3372	-.0170	137.8	134.6	2973.	3737.	3896.	2348.	5166.	3608.
B_2089	-.0180	123.5	121.7	46.94	230.6	234.3	63.96	339.8	117.4
Si2881A	.9151	2316.	2081.	19890.	25130.	26610.	16800.	30290.	20090.
Si2881R	.0170	2345.	2083.	19890.	25320.	26630.	17020.	30650.	20280.
Sn1899	.0281	122.6	123.0	277.1	1464.	1581.	95.31	524.8	284.7
Sr3464	.0158	94.89	96.08	122.7	316.3	335.2	147.4	718.9	509.7
Y_2243-A	23734.	24055.	24357.	24124.	24160.	24455.	24492.	23543.	24638.
Y_3203-A	38765.	40744.	39774.	39516.	39849.	39202.	40034.	38641.	39418.
Y_3600-R	24600.	27050.	26793.	26913.	27261.	25226.	26785.	26169.	26001.

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	AN03418	CCV	CCB	AN03419	AN03420	AN03421	AN03422	AN03423	AN03424
	8 Aug 2011 16:42:31	8 Aug 2011 16:47:30	8 Aug 2011 16:51:44	8 Aug 2011 16:56:10	8 Aug 2011 17:01:10	8 Aug 2011 17:06:10	8 Aug 2011 17:11:25	8 Aug 2011 17:16:28	8 Aug 2011 17:21:19
Ag3280	5.024	202.5	-.2752	5.934	-.4567	1.388	7.830	5.140	2.549
Al3961A	34330.	4998.	-1.807	51530.	53030.	F 80690.	18340.	27810.	10990.
Al3961R	36020.	4973.	4.912	52400.	54200.	87410.	18580.	28280.	11010.
As1890	148.5	190.0	.3410	621.4	72.23	84.07	58.61	262.5	20.03
Ba4554R	1197.	197.0	.2563	2636.	813.9	2301.	1622.	3262.	2010.
Be3131R	12.79	199.3	-.0628	2.975	3.671	50.15	1.373	2.007	.3732
Ca3179R	500800.	5267.	2.009	145900.	61630.	878400.	174100.	26230.	260500.
Cd2265	12.48	198.3	-.2455	22.23	3.771	10.66	14.64	22.84	21.56
Co2286	251.2	191.9	-.0912	556.6	52.11	374.8	100.9	126.9	17.83
Cr2677	522.4	216.4	-.4585	341.0	155.1	1132.	99.49	295.5	29.21
Cu3247	9281.	204.3	-.4734	32270.	544.4	9630.	2600.	20620.	792.8
Fe2599A	^ *****	5453.	2.130	^ *****	F 123800.	^ *****	^ *****	^ *****	^ *****
Fe2599R	F 544600.	5279.	2.460	F 848100.	141200.	F 635900.	277800.	F 860400.	390700.
K_7664R	4401.	5034.	-34.33	9946.	14700.	18210.	2783.	1811.	2517.
Mg2790R	297700.	5327.	11.58	39350.	53890.	469800.	20020.	6447.	6929.
Mn2576	3969.	217.0	-.1532	8887.	2298.	6199.	8465.	4410.	5797.
Na5895R	6371.	5175.	-47.90	39110.	3169.	33210.	13180.	17420.	64860.
Ni2316	1622.	199.2	-.1677	805.0	166.7	3289.	148.5	346.8	45.59
Pb2203	26200.	204.0	-.7950	50060.	4538.	10110.	F 277500.	F 78080.	F 346100.
Sb2068	3847.	194.5	-2.921	185.1	14.26	63.72	41.65	4277.	35.22
Se1960	-1.280	192.4	-.9770	-3.023	-2.634	-4.512	19.57	.7172	11.39
Tl1908	-1.210	198.8	-.9132	-3.349	.1917	-2.569	-7.879	-3.739	-8.519
V_2924	285.3	204.0	-.2506	295.1	292.4	290.1	115.0	253.0	57.49
Zn2062	6549.	202.1	.0657	8764.	1456.	19060.	2962.	8590.	2271.
Mo2020	60.65	196.2	-.3771	40.00	17.01	248.1	18.17	21.52	7.599
Ti3372	1733.	200.6	-.2495	2019.	3331.	5326.	1133.	1869.	564.9
B_2089	153.5	189.3	-1.059	207.5	33.20	735.8	308.2	60.73	281.2
Si2881A	24620.	5126.	2.116	15560.	14150.	71950.	7419.	11200.	3212.
Si2881R	25090.	5066.	-3.617	15650.	14200.	73530.	7496.	11560.	3199.
Sn1899	18100.	209.6	.8668	936.2	65.54	1994.	222.8	5440.	48.20
Sr3464	617.2	211.8	.3009	1431.	207.2	1252.	1374.	386.4	1915.
Y_2243-A	22537.	24879.	25068.	24219.	25488.	22344.	24248.	24609.	23585.
Y_3203-A	36776.	38772.	39565.	40158.	41574.	37314.	39596.	40386.	38427.
Y_3600-R	24583.	23580.	24674.	27539.	27146.	25316.	25546.	26129.	25178.

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	AN03425	AN03426	AN03427	PBS-2 B19 P06	CCV	CCB	LCSS-3 B19P06	LCSS-4 B19P06	AN03428
	8 Aug 2011 17:26:16	8 Aug 2011 17:31:16	8 Aug 2011 17:36:25	8 Aug 2011 17:41:24	8 Aug 2011 17:45:49	8 Aug 2011 17:50:01	8 Aug 2011 17:54:26	8 Aug 2011 17:59:07	8 Aug 2011 18:03:49
Ag3280	-2.487	.3055	3.106	.0184	196.6	-.0456	49.82	46.69	-2.846
Al3961A	F 85120.	59190.	52340.	.2663	4818.	-2.401	6800.	6557.	32170.
Al3961R	90540.	60970.	54140.	.8415	4946.	-1.194	6960.	6792.	32540.
As1890	202.0	293.3	61.89	.3239	197.8	2.320	99.67	97.67	401.7
Ba4554R	1671.	2365.	1542.	.0394	194.8	.4410	291.3	284.6	2911.
Be3131R	4.503	20.12	2.917	.0001	196.1	.0473	85.36	84.40	1.822
Ca3179R	228600.	135400.	243200.	2.232	5173.	2.377	5872.	6075.	34780.
Cd2265	9.341	32.33	1.651	-.0281	203.9	-.2682	95.57	96.56	23.64
Co2286	173.0	523.0	51.06	-.0354	193.7	-.3866	116.3	117.5	167.2
Cr2677	464.1	1313.	160.5	-.0340	212.2	-.6683	88.28	87.00	380.0
Cu3247	4623.	10780.	741.9	-.0039	198.9	.0281	72.44	72.93	23230.
Fe2599A	^ *****	^ *****	F 126800.	1.625	5299.	6.429	10750.	10310.	^ *****
Fe2599R	F 841800.	F 1195000.	145900.	1.580	5201.	7.334	12090.	11580.	F 1446000.
K_7664R	8270.	6003.	9132.	-6.375	5074.	-95.28	2174.	2141.	2928.
Mg2790R	24070.	60040.	30160.	.5705	5317.	-10.12	2551.	2503.	10160.
Mn2576	5302.	6551.	4128.	.0237	212.2	-.1100	412.1	406.7	4794.
Na5895R	25760.	8327.	2322.	-6.108	5136.	-39.39	632.2	612.4	7569.
Ni2316	389.6	1884.	211.4	.0099	199.1	.1457	94.55	96.52	535.4
Pb2203	F 68720.	50100.	4697.	.6760	207.5	5.176	129.9	129.2	38710.
Sb2068	332.9	266.5	13.53	-.1460	190.8	-2.300	128.7	135.9	253.3
Se1960	-1.442	16.67	4.619	.0922	198.9	-.7120	185.2	180.8	-8.029
Tl1908	-2.086	-4.337	-1.263	-.0180	197.7	.0301	153.5	149.9	-.2708
V_2924	273.0	511.6	217.6	-.0208	199.4	.1904	100.7	99.42	422.8
Zn2062	3813.	21370.	1331.	.1302	206.8	.3318	262.6	262.2	11420.
Mo2020	49.30	115.5	2.924	-.0175	195.8	-.1323	70.70	73.29	23.76
Ti3372	3687.	3094.	2041.	-.0111	197.2	-.2383	155.4	159.8	2034.
B_2089	120.7	359.5	34.38	-.2085	190.2	-2.970	120.3	119.3	84.30
Si2881A	15110.	33640.	12580.	1.099	5025.	.1879	2519.	2149.	14030.
Si2881R	15500.	34240.	12660.	2.064	5085.	-2.320	2537.	2154.	14410.
Sn1899	838.4	847.6	185.9	.0495	207.3	.1462	126.3	116.4	2317.
Sr3464	1335.	495.7	459.5	.0552	209.2	.3946	95.54	96.12	391.6
Y_2243-A	24476.	23861.	25142.	25425.	26393.	25414.	25789.	25718.	24037.
Y_3203-A	40288.	38915.	40780.	39531.	41464.	40125.	41358.	41899.	38562.
Y_3600-R	26364.	25751.	25675.	24077.	23831.	24021.	26000.	26781.	25513.

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	AN03428 MS	AN03428 SDL	AN03429	AN03430	AN03431	AN03432	AN03433	CCV	CCB
	8 Aug 2011 18:08:41	8 Aug 2011 18:13:31	8 Aug 2011 18:18:01	8 Aug 2011 18:23:12	8 Aug 2011 18:28:22	8 Aug 2011 18:33:22	8 Aug 2011 18:38:25	8 Aug 2011 18:43:11	8 Aug 2011 18:47:23
Ag3280	159.8	153.2	-.3258	1.790	13.30	.0956	-.2701	196.2	-.0054
Al3961A	46100.	47080.	F 72980.	F 94990.	40510.	F 73080.	40470.	4831.	-2.523
Al3961R	48300.	47800.	79940.	100900.	42220.	78850.	42270.	4892.	4.061
As1890	594.8	609.4	67.79	199.7	170.3	63.71	143.9	196.5	2.912
Ba4554R	4166.	4086.	866.8	2297.	1074.	1087.	2382.	193.5	.4936
Be3131R	163.0	163.1	2.833	5.150	.6757	.5827	2.057	194.1	-.1764
Ca3179R	41610.	42950.	625800.	318400.	82710.	396300.	101200.	5151.	4.484
Cd2265	181.8	178.6	3.009	17.37	73.84	2.948	20.16	203.5	-.1896
Co2286	333.7	352.1	67.71	100.5	185.6	89.20	52.97	193.3	-.0048
Cr2677	702.7	710.2	314.6	1224.	411.8	351.4	135.1	211.4	-.3339
Cu3247	28410.	28270.	847.1	17460.	F 74060.	5047.	5305.	201.1	.4437
Fe2599A	^ *****	^ *****	F 184100.	^ *****	^ *****	^ *****	^ *****	5336.	8.660
Fe2599R	F 1592000.	F 1960000.	227500.	F 486400.	F 1136000.	315400.	284600.	5247.	8.470
K_7664R	8010.	7781.	20090.	13750.	4082.	39430.	6952.	5070.	-79.64
Mg2790R	16810.	18050.	102100.	120600.	25810.	177600.	36000.	5264.	-6.727
Mn2576	5668.	5975.	2827.	3761.	8881.	3294.	1820.	211.5	-.0722
Na5895R	13250.	12850.	13530.	11320.	5785.	6320.	5339.	5072.	-61.13
Ni2316	753.8	768.9	290.4	835.7	739.5	324.9	182.7	197.7	-.1120
Pb2203	43050.	46600.	13650.	47800.	25100.	3266.	11060.	205.0	2.575
Sb2068	547.0	545.9	18.60	213.3	168.9	26.79	70.22	194.0	-2.673
Se1960	138.0	134.8	-2.705	3.260	-12.65	.9504	28.32	196.7	-.2499
Tl1908	116.1	124.8	-.4154	-1.054	-5.150	.2847	1.181	197.8	-2.152
V_2924	663.7	657.5	238.4	284.3	298.9	312.2	200.6	198.1	-.5083
Zn2062	13960.	15700.	1714.	6245.	52780.	4075.	5220.	206.4	.8476
Mo2020	175.9	176.9	21.50	41.17	20.04	36.51	22.33	194.6	.0835
Ti3372	2663.	2670.	5567.	4895.	2656.	8494.	2202.	197.0	-.3153
B_2089	241.8	246.0	132.4	297.4	49.51	54.80	73.82	190.5	-1.776
Si2881A	21010.	21700.	47160.	44960.	15070.	16290.	12200.	5018.	-3.003
Si2881R	21950.	22250.	47960.	45340.	15740.	16900.	12460.	5040.	6.313
Sn1899	2966.	3201.	168.3	2251.	4262.	295.7	416.0	205.3	.2307
Sr3464	495.5	512.8	2146.	1107.	420.7	440.9	708.8	208.8	.3644
Y_2243-A	24000.	25395.	24549.	24761.	24527.	24621.	25695.	25748.	25538.
Y_3203-A	39342.	41221.	39340.	39950.	39963.	40179.	41814.	40374.	42106.
Y_3600-R	25507.	25382.	24991.	25713.	25061.	24866.	25391.	23979.	23954.

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	AN03434	AN03419 X10	AN03422 X10	AN03424 X10	CCV	CCB	RL	2RL	IOS
	8 Aug 2011 18:51:49	8 Aug 2011 18:56:42	8 Aug 2011 19:01:11	8 Aug 2011 19:05:40	8 Aug 2011 19:10:09	8 Aug 2011 19:14:22	8 Aug 2011 19:18:48	8 Aug 2011 19:23:17	8 Aug 2011 19:27:40
Ag3280	.2994	.5609	.5734	-.4734	197.8	-.2869	4.711	9.857	-1.651
Al3961A	F 72200.	5286.	1798.	1090.	4855.	-2.229	105.8	198.5	251400.
Al3961R	76320.	5343.	1816.	1098.	4938.	3.026	103.9	206.5	298400.
As1890	75.28	61.83	7.114	2.050	199.0	-.6245	F 11.51	17.12	2.902
Ba4554R	816.2	265.1	159.8	199.8	194.7	.4981	99.58	198.6	.2318
Be3131R	4.032	.0443	.0022	-.1270	195.5	-.0984	3.231	6.004	-.1374
Ca3179R	22220.	15430.	17720.	27200.	5164.	2.321	508.7	1029.	303100.
Cd2265	.7357	1.330	1.244	1.931	204.3	-.2115	2.942	5.978	-2.401
Co2286	299.9	58.84	10.05	1.506	193.8	-.1985	19.78	39.98	-.9404
Cr2677	559.2	35.84	9.692	2.680	212.5	-.3498	5.192	10.46	-1.691
Cu3247	465.0	3199.	252.1	76.20	200.6	.0491	10.92	20.41	5.563
Fe2599A	^ *****	F 95020.	28680.	41120.	5303.	5.252	49.83	100.6	^ *****
Fe2599R	265000.	104600.	29120.	42070.	5217.	5.732	49.50	102.1	308400.
K_7664R	10190.	970.1	186.8	176.0	5055.	-117.3	429.1	910.1	-44.07
Mg2790R	209000.	4298.	2094.	741.2	5277.	11.41	520.2	1041.	309500.
Mn2576	4751.	970.0	877.6	597.5	212.0	-.0913	5.334	10.70	.0384
Na5895R	5491.	3912.	1228.	6431.	5086.	-91.45	953.0	2003.	305200.
Ni2316	4154.	84.08	14.41	3.856	198.8	-.1689	19.89	39.87	2.056
Pb2203	1666.	5602.	31180.	39820.	207.8	3.928	9.019	18.07	6.064
Sb2068	9.877	18.93	-.7929	.9979	193.5	.8130	19.33	36.28	7.701
Se1960	1.048	2.973	2.605	-1.478	196.4	-3.320	18.26	37.45	4.481
Tl1908	-1.327	-1.131	-2.351	-1.277	197.9	-1.491	20.54	39.00	.3900
V_2924	291.4	30.03	10.87	5.143	199.5	-.3212	20.25	39.61	-.3449
Zn2062	1411.	1041.	322.9	245.9	205.8	.3030	23.04	45.65	3.596
Mo2020	4.238	3.732	1.275	.2571	194.1	.0900	9.809	19.79	-2.270
Ti3372	3325.	204.4	111.2	54.92	197.4	-.3539	10.03	19.87	1.889
B_2089	55.17	19.68	28.69	26.99	190.7	-3.768	7.235	17.60	-2.857
Si2881A	20520.	1668.	752.6	346.8	5034.	-4.012	519.3	1006.	-4.165
Si2881R	21050.	1691.	759.2	341.6	5048.	.4392	519.4	1039.	12.19
Sn1899	160.3	104.5	23.01	4.673	205.2	.0350	11.77	21.64	.8608
Sr3464	147.5	151.8	138.8	194.8	209.5	.6086	10.98	20.94	2.142
Y_2243-A	26062.	25534.	25403.	25419.	25491.	25127.	25631.	25410.	23574.
Y_3203-A	41756.	40570.	41130.	40629.	40199.	40111.	40317.	40657.	37246.
Y_3600-R	25839.	24584.	24801.	24416.	23583.	23269.	24405.	23540.	23363.

Sample Name: Blank Acquired: 8/8/2011 15:22:48 Type: Cal
Method: PT_MET(v96) Mode: IR Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0004**	**.0085**	**.0012**	**.0000**	**.0073**	**.0001**	**.0050**	**.0002**	**.0001**	**.0000**	**.0099**
Stddev	.0004	.0015	.0003	.0000	.0007	.0002	.0001	.0002	.0001	.000	.0006
%RSD	93.64	17.32	23.49	97.71	9.721	268.8	2.050	99.46	65.72	269.1	5.790
#1	-.0006	.0090	.0014	.0000	.0080	.0002	.0049	.0003	.0001	.0000	.0104
#2	.0000	.0097	.0008	.0001	.0074	-.0002	.0051	.0001	.0002	.0000	.0093
#3	-.0006	.0069	.0012	.0000	.0066	.0002	.0050	.0000	.0001	-.0001	.0102

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0029**	**.0004**	**-.0065**	**.0001**	**.0010**	**.0153**	**-.0001**	**.0002**	**.0001**	**.0002**	**-.0001**
Stddev	.0001	.0001	.0008	.0001	.0002	.0009	.0000	.0002	.0002	.0001	.0001
%RSD	4.193	13.81	12.04	92.54	21.66	5.736	32.95	84.19	185.0	35.32	54.45
#1	.0027	.0004	-.0064	.0002	.0011	.0162	-.0001	.0004	-.0001	.0001	-.0001
#2	.0030	.0004	-.0058	.0000	.0011	.0144	-.0001	.0000	.0003	.0002	-.0001
#3	.0029	.0003	-.0073	.0001	.0007	.0154	-.0001	.0003	.0001	.0002	.0000

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0010**	**.0000**	**-.0008**	**.0004**	**.0080**	**.0007**	**-.0008**	**.0001**
Stddev	.0003	.0001	.0001	.0004	.0001	.0003	.0003	.0001	.0000
%RSD	347.9	7.675	294.1	54.23	19.76	4.115	47.29	14.60	56.16
#1	-.0002	.0011	-.0001	-.0011	.0004	.0084	.0008	-.0009	.0000
#2	.0001	.0010	.0002	-.0003	.0003	.0078	.0010	-.0007	.0001
#3	.0004	.0010	.0000	-.0010	.0004	.0078	.0003	-.0008	.0001

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24288.**	**40562.**	**26635.**
Stddev	178.	738.	354.
%RSD	.73470	1.8186	1.3306
#1	24370.	39738.	26235.
#2	24083.	40784.	26761.
#3	24410.	41162.	26909.

Sample Name: MID STD Acquired: 8/8/2011 15:27:13 Type: Cal
Method: PT_MET(v96) Mode: IR Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4508**	**3.322**	**.2229**	**.1528**	**11.80**	**6.575**	**.5974**	**6.056**	**2.108**	**1.420**	**4.405**
Stddev	.0138	.113	.0009	.0008	.03	.010	.0010	.031	.008	.043	.152
%RSD	3.053	3.407	.4222	.4986	.2840	.1497	.1664	.5066	.3950	3.036	3.455
#1	.4412	3.238	.2231	.1534	11.77	6.586	.5971	6.086	2.116	1.399	4.298
#2	.4446	3.277	.2238	.1531	11.83	6.566	.5985	6.057	2.108	1.392	4.336
#3	.4665	3.451	.2219	.1520	11.78	6.573	.5965	6.025	2.100	1.470	4.579

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.025**	**.3826**	**.1239**	**.0632**	**19.35**	**.4483**	**1.197**	**.4551**	**.3101**	**.1190**	**.2525**
Stddev	.092	.0012	.0003	.0004	.41	.0015	.002	.0025	.0011	.0008	.0008
%RSD	3.043	.3056	.2435	.6887	2.110	.3414	.1991	.5592	.3518	.6850	.3335
#1	2.977	.3838	.1236	.0635	19.06	.4486	1.200	.4578	.3114	.1197	.2533
#2	2.968	.3825	.1239	.0633	19.17	.4498	1.197	.4548	.3098	.1191	.2527
#3	3.131	.3815	.1242	.0627	19.82	.4467	1.195	.4528	.3093	.1181	.2516

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.173**	**2.594**	**1.577**	**11.29**	**.7170**	**.7579**	**.1029**	**3.100**	**.4050**
Stddev	.140	.008	.005	.20	.0045	.0249	.0003	.093	.0012
%RSD	3.363	.2947	.3041	1.757	.6213	3.282	.2566	3.010	.3023
#1	4.088	2.603	1.582	11.14	.7198	.7420	.1026	3.055	.4064
#2	4.097	2.589	1.577	11.22	.7193	.7451	.1031	3.038	.4045
#3	4.335	2.591	1.572	11.52	.7119	.7865	.1031	3.208	.4041

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24139.**	**39394.**	**26008.**
Stddev	232.	694.	200.
%RSD	.96050	1.7625	.77034
#1	23906.	39765.	25785.
#2	24140.	39824.	26063.
#3	24370.	38593.	26174.

Sample Name: HIGH STD Acquired: 8/8/2011 15:31:36 Type: Cal
Method: PT_MET(v96) Mode: IR Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.8613**	**6.422**	**.4384**	**.3126**	**23.25**	**12.79**	**1.175**	**11.86**	**4.275**	**2.727**	**8.482**
Stddev	.0088	.064	.0024	.0017	.10	.11	.004	.16	.010	.024	.118
%RSD	1.021	.9900	.5452	.5405	.4113	.8616	.3354	1.324	.2322	.8880	1.391
#1	.8588	6.415	.4392	.3136	23.14	12.77	1.178	12.00	4.273	2.719	8.590
#2	.8541	6.362	.4357	.3135	23.31	12.69	1.170	11.69	4.286	2.708	8.356
#3	.8711	6.489	.4403	.3106	23.30	12.91	1.175	11.89	4.267	2.754	8.502

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.775**	**.7670**	**.2523**	**.1272**	**36.84**	**.8721**	**2.417**	**.9166**	**.6310**	**.2420**	**.5082**
Stddev	.060	.0027	.0015	.0005	.51	.0067	.008	.0023	.0034	.0013	.0025
%RSD	1.032	.3584	.5938	.4155	1.384	.7696	.3265	.2563	.5311	.5367	.4877
#1	5.752	.7699	.2521	.1277	36.53	.8724	2.408	.9185	.6272	.2432	.5068
#2	5.731	.7666	.2509	.1267	36.56	.8652	2.424	.9174	.6336	.2423	.5110
#3	5.843	.7644	.2538	.1272	37.43	.8786	2.419	.9140	.6322	.2406	.5066

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.986**	**5.195**	**3.215**	**21.92**	**1.452**	**1.456**	**.2047**	**6.012**	**.8108**
Stddev	.047	.008	.013	.34	.002	.009	.0005	.037	.0029
%RSD	.5886	.1582	.4088	1.570	.1664	.6231	.2273	.6218	.3620
#1	7.941	5.196	3.200	21.88	1.451	1.457	.2050	6.002	.8080
#2	7.982	5.203	3.226	21.60	1.455	1.446	.2042	5.980	.8138
#3	8.034	5.186	3.218	22.29	1.451	1.464	.2050	6.053	.8105

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23800.**	**40359.**	**25810.**
Stddev	108.	533.	95.
%RSD	.45584	1.3217	.36869
#1	23924.	40462.	25742.
#2	23729.	40833.	25918.
#3	23745.	39781.	25769.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	-0.000384	0.000876	0.000000	1.000000	0.999761	0.845289	2.535867	8.452890
Al 396.152 { 85}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.008576	0.000636	0.000000	1.000000	0.999880	1.932334	5.797003	19.323343
Al 396.152 { 85}2	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.001152	0.000042	0.000000	1.000000	0.999977	0.865647	2.596942	8.656475
As 189.042 {478}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.000038	0.000031	0.000000	1.000000	0.999943	1.306292	3.918877	13.062923
Ba 455.403 { 74}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.007373	0.002335	0.000000	1.000000	0.999977	0.823836	2.471509	8.238364
Be 313.107 {108}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.000147	0.001290	0.000000	1.000000	0.999914	1.604306	4.812918	16.043060
Ca 317.933 {106}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.004985	0.000117	0.000000	1.000000	0.999981	0.749516	2.248548	7.495161
Cd 226.502 {449}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.000201	0.001194	0.000000	1.000000	0.999950	1.226873	3.680618	12.268726
Co 228.616 {447}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.000122	0.000425	0.000000	1.000000	0.999978	0.808247	2.424742	8.082473
Cr 267.716 {126}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.000001	0.000276	0.000000	1.000000	0.999814	2.363417	7.090252	23.634174
Cu 324.754 {104}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.009997	0.000860	0.000000	1.000000	0.999848	2.127145	6.381435	21.271450
Fe 259.940 {130}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.002924	0.000587	0.000000	1.000000	0.999760	2.679121	8.037363	26.791209
Fe 259.940 {130}2	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.000387	0.000077	0.000000	1.000000	0.999999	0.161227	0.483680	1.612267
K 766.490 { 44}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	-0.006487	0.000026	0.000000	1.000000	0.999993	0.450744	1.352232	4.507440
Mg 279.079 {121}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.000099	0.000013	0.000000	1.000000	0.999994	0.424953	1.274859	4.249531
Mn 257.610 {131}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.001308	0.003746	0.000000	1.000000	0.999727	2.861106	8.583317	28.611057
Na 589.592 { 57}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.015312	0.000086	0.000000	1.000000	0.999987	0.624728	1.874184	6.247279
Ni 231.604 {445}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	-0.000086	0.000241	0.000000	1.000000	0.999991	0.533381	1.600142	5.333805
Pb 220.353 {453}	8/8/2011 15:36:48	8/8/2011 15:36:48	Linear	1/Conc	0.000217	0.000092	0.000000	1.000000	0.999994	0.416756	1.250267	4.167558
Sb 206.833 {463}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.000103	0.000064	0.000000	1.000000	0.999967	0.985102	2.955305	9.851017
Se 196.090 {472}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.000168	0.000024	0.000000	1.000000	0.999966	1.005858	3.017574	10.058581
Tl 190.856 {477}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	-0.000092	0.000051	0.000000	1.000000	0.999996	0.346782	1.040346	3.467819
V 292.402 {115}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.000153	0.000811	0.000000	1.000000	0.999780	2.565244	7.695733	25.652443
Zn 206.200 {463}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.001047	0.000520	0.000000	1.000000	1.000000	0.085242	0.255727	0.852422
Mo 202.030 {467}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.000034	0.000320	0.000000	1.000000	0.999959	1.101905	3.305715	11.019049
Ti 337.280 {100}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	-0.000711	0.002215	0.000000	1.000000	0.999900	1.728675	5.186025	17.286751
B 208.959 {461}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.000357	0.000138	0.000000	1.000000	0.999982	0.777531	2.332594	7.775314
Si 288.158 {117}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.008006	0.000146	0.000000	1.000000	0.999861	2.054381	6.163142	20.543808
Si 288.158 {117}2	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.000718	0.000020	0.000000	1.000000	0.999999	0.129139	0.387416	1.291388
Sr 346.446 { 97}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	-0.000777	0.000608	0.000000	1.000000	0.999891	1.805006	5.415017	18.050055
Sn 189.989 {477}	8/8/2011 15:36:49	8/8/2011 15:36:49	Linear	1/Conc	0.000077	0.000081	0.000000	1.000000	1.000000	0.063732	0.191195	0.637318
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/8/2011 15:36:55 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.3**	**4932.**	**5008.**	**196.9**	**200.3**	**201.3**	**5191.**	**200.6**	**193.9**	**209.7**	**204.9**
Stddev	1.7	40.	17.	3.4	.4	.4	29.	.6	.7	1.2	1.2
%RSD	.8529	.8174	.3324	1.724	.2191	.2214	.5517	.2971	.3804	.5854	.5849
#1	201.9	4976.	4993.	194.1	200.4	200.9	5175.	200.1	194.1	210.1	206.3
#2	200.3	4924.	5005.	195.8	199.8	201.2	5173.	201.3	194.5	210.7	204.2
#3	198.5	4897.	5026.	200.7	200.6	201.8	5224.	200.3	193.1	208.4	204.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5238.**	**5144.**	**5131.**	**5168.**	**211.6**	**5153.**	**198.9**	**196.9**	**192.4**	**197.3**	**200.5**
Stddev	18.	35.	44.	55.	1.4	47.	1.0	2.4	1.4	4.3	.8
%RSD	.3507	.6855	.8510	1.054	.6420	.9176	.4848	1.206	.7061	2.201	.4106
#1	5239.	5130.	5130.	5110.	211.1	5124.	200.0	199.3	193.7	193.5	199.6
#2	5255.	5117.	5088.	5177.	213.1	5127.	198.5	194.6	192.6	196.4	201.2
#3	5219.	5184.	5175.	5218.	210.6	5207.	198.2	196.8	191.0	202.0	200.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.5**	**198.3**	**200.0**	**200.9**	**207.7**	**5038.**	**5067.**	**208.2**	**203.2**
Stddev	.6	1.3	1.4	.7	1.3	39.	34.	1.5	2.8
%RSD	.2773	.6406	.7088	.3514	.6443	.7792	.6773	.7123	1.371
#1	202.1	197.0	200.5	201.7	208.2	5075.	5083.	207.8	203.9
#2	201.3	199.5	201.2	200.6	208.7	5042.	5027.	209.8	205.6
#3	201.0	198.3	198.4	200.3	206.2	4996.	5090.	206.9	200.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24813.**	**39966.**	**25056.**
Stddev	114.	312.	256.
%RSD	.46087	.78076	1.0225
#1	24772.	39797.	25286.
#2	24725.	39774.	24780.
#3	24943.	40326.	25101.

Sample Name: ICB Acquired: 8/8/2011 15:41:13 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1519**	**-1.579**	**3.053**	**1.409**	**.3478**	**.2761**	**-2.095**	**.1306**	**-.2980**	**-.4184**	**-.4203**
Stddev	.4197	1.273	12.06	4.635	.1496	.2255	1.233	.0201	.1229	.2723	.4186
%RSD	276.2	80.61	395.1	328.9	43.01	81.69	58.84	15.43	41.23	65.08	99.60
#1	-.3283	-2.958	15.28	5.225	.4441	.5223	-2.663	.1410	-.1626	-.7285	-.0110
#2	-.4547	-1.327	2.723	2.753	.4238	.2264	-2.940	.1435	-.3290	-.3079	-.8477
#3	.3271	-.4508	-8.842	-3.749	.1755	.0795	-.6804	.1074	-.4024	-.2187	-.4023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.671**	**-1.205**	**.8909**	**10.21**	**.1184**	**-51.57**	**.1859**	**-.3338**	**-1.600**	**.2171**	**.4412**
Stddev	.225	2.815	16.02	8.34	.0418	10.43	.2634	2.050	3.407	2.145	.8337
%RSD	13.47	233.5	1799.	81.73	35.29	20.22	141.7	614.3	213.0	988.0	189.0
#1	-1.913	-3.597	-15.56	1.484	.1363	-53.30	-.0951	1.177	2.274	1.082	.8747
#2	-1.632	-1.915	16.45	18.11	.0706	-40.39	.4271	.4892	-2.942	-2.225	.9689
#3	-1.468	1.896	1.784	11.04	.1483	-61.03	.2257	-2.668	-4.131	1.794	-.5199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4078**	**.4065**	**.7332**	**.1817**	**3.868**	**-.2383**	**3.782**	**.4991**	**.5617**
Stddev	.4060	.0862	.5123	.1739	1.598	2.221	5.700	.7719	.8358
%RSD	99.56	21.21	69.88	95.74	41.32	932.1	150.7	154.7	148.8
#1	.7835	.3774	.7821	.1752	4.077	-2.801	5.626	.0623	-.2827
#2	.4628	.5035	1.219	.0111	5.352	1.123	8.332	1.390	1.389
#3	-.0229	.3386	.1981	.3587	2.176	.9636	-2.611	.0447	.5792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23489.**	**38815.**	**25565.**
Stddev	159.	544.	184.
%RSD	.67881	1.4015	.71870
#1	23625.	39429.	25356.
#2	23528.	38625.	25636.
#3	23313.	38392.	25702.

Sample Name: RL Acquired: 8/8/2011 15:45:40 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.024**	**109.3**	**106.8**	**10.30**	**100.9**	**2.936**	**502.7**	**2.941**	**19.80**	**4.865**	**10.76**
Stddev	.093	1.3	10.6	4.04	.5	.141	5.3	.112	.33	.354	.18
%RSD	1.850	1.155	9.924	39.20	.5003	4.819	1.052	3.823	1.661	7.275	1.717
#1	5.130	110.8	116.4	11.21	100.5	2.915	498.0	2.811	19.44	5.254	10.79
#2	4.982	108.8	95.43	13.80	101.5	3.087	508.4	3.006	19.85	4.782	10.93
#3	4.959	108.4	108.5	5.881	100.7	2.807	501.6	3.007	20.09	4.561	10.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.36**	**48.02**	**466.8**	**494.6**	**5.210**	**980.7**	**19.88**	**7.595**	**17.14**	**19.56**	**18.69**
Stddev	.53	3.89	39.0	20.9	.073	10.9	.18	1.694	3.14	2.42	1.84
%RSD	1.104	8.094	8.360	4.235	1.407	1.107	.8937	22.31	18.29	12.40	9.865
#1	48.97	52.46	499.1	518.5	5.294	972.3	19.97	5.754	20.75	17.17	16.62
#2	48.16	45.24	478.0	479.2	5.173	993.0	19.67	7.943	15.61	22.02	19.28
#3	47.96	46.36	423.4	486.2	5.163	976.9	19.99	9.088	15.07	19.50	20.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.95**	**21.59**	**10.44**	**10.11**	**12.66**	**521.4**	**504.5**	**10.72**	**10.39**
Stddev	.29	.26	.24	.06	1.06	8.9	13.6	.46	.65
%RSD	1.444	1.217	2.299	.6011	8.391	1.711	2.690	4.272	6.228
#1	20.20	21.31	10.19	10.13	13.78	530.8	519.1	10.36	10.54
#2	19.63	21.64	10.47	10.05	11.66	520.4	492.2	11.24	10.95
#3	20.01	21.83	10.66	10.17	12.55	513.1	502.3	10.57	9.683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23691.**	**39144.**	**25796.**
Stddev	102.	573.	166.
%RSD	.43049	1.4627	.64495
#1	23630.	38493.	25988.
#2	23634.	39570.	25704.
#3	23809.	39369.	25696.

Sample Name: 2RL Acquired: 8/8/2011 15:50:06 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.36**	**208.1**	**213.6**	**19.29**	**199.9**	**6.163**	**1009.**	**5.807**	**39.64**	**10.49**	**20.99**
Stddev	.37	1.5	7.3	.55	.6	.231	1.	.128	.23	.34	.63
%RSD	3.584	.7263	3.435	2.871	.2881	3.741	.0916	2.205	.5733	3.263	3.011
#1	10.07	207.7	222.0	18.92	199.2	6.347	1008.	5.828	39.84	10.86	20.30
#2	10.78	206.8	210.0	19.93	200.2	5.904	1010.	5.670	39.69	10.18	21.14
#3	10.24	209.7	208.8	19.03	200.3	6.236	1010.	5.923	39.39	10.44	21.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**99.78**	**94.95**	**967.4**	**1017.**	**10.72**	**1986.**	**39.81**	**15.37**	**36.09**	**37.60**	**40.43**
Stddev	.70	2.84	50.4	10.	.05	12.	.29	1.14	2.56	1.71	.70
%RSD	.7048	2.988	5.211	.9836	.4291	.6222	.7348	7.442	7.091	4.558	1.725
#1	99.59	94.28	944.8	1006.	10.77	1990.	39.48	15.11	33.39	39.01	39.89
#2	99.19	92.50	1025.	1020.	10.68	1996.	39.89	14.37	36.41	38.11	41.22
#3	100.6	98.06	932.3	1026.	10.72	1972.	40.05	16.62	38.48	35.69	40.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.49**	**43.21**	**20.43**	**20.51**	**21.33**	**1026.**	**1009.**	**21.73**	**20.47**
Stddev	.73	.13	.34	.24	1.03	8.	12.	.36	.49
%RSD	1.799	.3062	1.644	1.184	4.827	.8284	1.226	1.679	2.409
#1	39.68	43.06	20.77	20.28	21.83	1019.	997.3	21.91	20.76
#2	41.09	43.30	20.10	20.50	22.01	1023.	1022.	21.97	19.90
#3	40.72	43.27	20.43	20.76	20.15	1035.	1009.	21.31	20.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24149.**	**38638.**	**24817.**
Stddev	105.	295.	253.
%RSD	.43400	.76376	1.0204
#1	24106.	38905.	25033.
#2	24269.	38688.	24881.
#3	24074.	38321.	24538.

Sample Name: IOS Acquired: 8/8/2011 15:54:30 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.732**	**261500.**	**298100.**	**4.800**	**.2354**	**-.1768**	**300700.**	**-1.225**	**-.9370**	**-1.871**	**4.520**
Stddev	.411	4103.	3394.	1.826	.3021	.0645	2338.	.303	.2057	.430	.485
%RSD	23.71	1.569	1.138	38.04	128.3	36.46	.7776	24.78	21.95	22.99	10.72
#1	-2.182	266200.	301400.	3.140	-.1111	-.1209	299300.	-1.048	-1.157	-1.477	4.403
#2	-1.636	258700.	298400.	6.756	.4429	-.1622	299500.	-1.575	-.7491	-2.330	4.105
#3	-1.377	259500.	294600.	4.503	.3744	-.2473	303400.	-1.051	-.9050	-1.806	5.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**297000.**	**-14.16**	**295500.**	**.1617**	**307300.**	**1.641**	**-7.410**	**5.078**	**-5.326**	**-.6991**
Stddev	-----	2972.	21.95	1041.	.0762	3120.	.241	.410	1.109	3.244	1.315
%RSD	-----	1.001	155.1	.3524	47.12	1.015	14.69	5.536	21.85	60.91	188.1
#1	^ -----	294200.	-31.02	296700.	.0971	308600.	1.392	-7.883	5.959	-7.047	.8079
#2	^ -----	296800.	-22.11	294800.	.2457	303700.	1.873	-7.165	5.442	-7.347	-1.294
#3	^ -----	300100.	10.66	295000.	.1424	309500.	1.658	-7.181	3.832	-1.584	-1.611
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2838**	**3.037**	**-1.874**	**2.031**	**-.9105**	**5.146**	**22.26**	**2.025**	**1.134**
Stddev	.2475	.199	.179	.277	2.067	1.589	7.53	.378	2.170
%RSD	87.24	6.556	9.574	13.66	227.1	30.87	33.83	18.64	191.4
#1	-.3152	2.814	-1.791	1.870	1.374	4.303	29.63	2.357	-.4357
#2	-.5141	3.197	-2.080	1.872	-1.453	4.158	14.58	1.614	.2270
#3	-.0220	3.100	-1.751	2.351	-2.652	6.979	22.56	2.102	3.610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**21238.**	**35298.**	**25410.**
Stddev	64.	536.	93.
%RSD	.30276	1.5176	.36634
#1	21166.	34708.	25383.
#2	21290.	35433.	25514.
#3	21258.	35754.	25334.

Sample Name: PBS-1 B19 P06 Acquired: 8/8/2011 15:59:37 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 0.083330
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0115**	**.5152**	**1.229**	**.0060**	**.0257**	**-.0155**	**1.379**	**-.0234**	**-.0233**	**-.0337**	**-.0350**
Stddev	.0191	.1545	1.158	.3960	.0222	.0086	.232	.0117	.0182	.0224	.0174
%RSD	166.2	29.99	94.19	6654.	86.41	55.63	16.82	49.95	77.94	66.53	49.67
#1	.0071	.6423	2.371	-.3383	.0506	-.0076	1.631	-.0188	-.0352	-.0593	-.0154
#2	-.0311	.5599	.0561	.4388	.0080	-.0247	1.334	-.0367	-.0024	-.0179	-.0408
#3	-.0106	.3433	1.260	-.0826	.0185	-.0142	1.173	-.0147	-.0323	-.0238	-.0486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5172**	**.8180**	**-.1266**	**2.062**	**-.0209**	**9.424**	**.0037**	**-.1117**	**-.1038**	**-.1886**	**.0117**
Stddev	.2053	.2835	4.635	.866	.0045	1.177	.0323	.1799	.2052	.1617	.1497
%RSD	39.69	34.66	3661.	42.01	21.31	12.48	872.3	161.0	197.7	85.73	1282.
#1	.7408	1.003	-2.072	2.978	-.0195	10.67	-.0304	.0818	-.2744	-.3270	.1311
#2	.4735	.9589	-3.472	1.951	-.0173	9.275	.0076	-.1432	-.1608	-.0109	-.1562
#3	.3373	.4917	5.164	1.256	-.0259	8.330	.0339	-.2738	.1239	-.2279	.0601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0153**	**-.0326**	**-.0113**	**-.0170**	**-.0180**	**.9151**	**.0170**	**.0158**	**.0281**
Stddev	.0164	.0030	.0139	.0069	.0405	.2162	.5488	.0223	.0056
%RSD	107.7	9.245	122.5	40.26	225.1	23.62	3223.	140.8	20.09
#1	-.0230	-.0320	-.0030	-.0143	-.0109	.8566	-.6161	-.0054	.0256
#2	-.0264	-.0299	-.0037	-.0119	.0185	1.154	.3575	.0390	.0241
#3	.0036	-.0358	-.0273	-.0248	-.0616	.7342	.3097	.0139	.0345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23734.**	**38765.**	**24600.**
Stddev	103.	280.	355.
%RSD	.43398	.72298	1.4433
#1	23778.	39082.	25010.
#2	23808.	38550.	24388.
#3	23617.	38662.	24402.

Sample Name: LCSS-1 B19 P06 Acquired: 8/8/2011 16:04:02 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 0.086210
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.70**	**6511.**	**6845.**	**100.1**	**292.9**	**85.86**	**6064.**	**96.43**	**117.8**	**85.12**	**74.06**
Stddev	.41	79.	19.	.3	.9	.73	23.	.70	.5	.52	.57
%RSD	.8508	1.220	.2752	.2628	.2974	.8510	.3798	.7265	.3829	.6122	.7631
#1	49.16	6595.	6865.	100.3	293.8	86.59	6069.	97.13	118.2	85.62	74.68
#2	48.60	6501.	6827.	99.83	292.1	85.86	6039.	95.73	117.3	85.17	73.91
#3	48.35	6438.	6843.	100.0	292.7	85.12	6084.	96.43	117.7	84.58	73.58
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10070.**	**11630.**	**2123.**	**2478.**	**403.4**	**632.5**	**95.06**	**130.4**	**128.9**	**186.8**	**152.8**
Stddev	108.	260.	7.	2.	2.2	1.6	.10	1.0	.2	.7	1.0
%RSD	1.072	2.234	.3339	.0830	.5361	.2558	.1036	.7361	.1573	.3839	.6688
#1	10130.	11580.	2131.	2480.	403.6	633.4	95.16	131.2	128.7	187.7	153.1
#2	10130.	11910.	2120.	2478.	401.2	633.5	94.97	129.3	128.9	186.6	153.7
#3	9943.	11390.	2119.	2476.	405.5	630.6	95.06	130.7	129.1	186.3	151.7
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**98.51**	**255.7**	**73.29**	**137.8**	**123.5**	**2316.**	**2345.**	**94.89**	**122.6**
Stddev	.69	1.0	.14	.8	.6	22.	7.	.48	.2
%RSD	.6998	.4054	.1848	.6023	.4605	.9462	.3100	.5039	.1499
#1	99.24	256.6	73.44	138.7	124.1	2339.	2343.	95.44	122.4
#2	98.42	254.6	73.25	137.6	123.1	2312.	2339.	94.64	122.7
#3	97.87	255.9	73.18	137.1	123.2	2296.	2353.	94.58	122.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24055.**	**40744.**	**27050.**
Stddev	92.	215.	146.
%RSD	.38319	.52749	.54107
#1	23948.	40518.	27075.
#2	24114.	40767.	26893.
#3	24102.	40946.	27183.

Sample Name: LCSS-2 B19 P06 Acquired: 8/8/2011 16:08:42 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 0.083330
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.55**	**6817.**	**6927.**	**99.47**	**295.7**	**86.62**	**5800.**	**98.67**	**117.3**	**87.78**	**75.56**
Stddev	.19	41.	3.	.27	.1	.36	13.	.27	.2	.14	.43
%RSD	.3892	.6084	.0463	.2694	.0333	.4192	.2204	.2770	.1582	.1543	.5650
#1	49.77	6820.	6924.	99.17	295.5	86.68	5799.	98.42	117.4	87.72	75.82
#2	49.48	6774.	6930.	99.56	295.7	86.95	5789.	98.64	117.1	87.68	75.79
#3	49.40	6857.	6928.	99.68	295.7	86.23	5814.	98.96	117.4	87.94	75.06
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10190.**	**11540.**	**2151.**	**2488.**	**410.5**	**630.3**	**95.83**	**128.0**	**134.4**	**192.8**	**154.8**
Stddev	74.	113.	2.	3.	2.5	1.6	.15	.3	.5	.2	.8
%RSD	.7279	.9813	.0975	.1392	.6005	.2578	.1515	.2592	.3764	.1295	.5009
#1	10190.	11610.	2151.	2492.	409.2	631.5	95.98	127.8	134.7	193.1	155.6
#2	10260.	11600.	2149.	2487.	408.9	631.0	95.69	127.9	134.6	192.6	154.8
#3	10110.	11410.	2153.	2485.	413.3	628.5	95.80	128.4	133.8	192.8	154.0
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**100.3**	**254.8**	**72.63**	**134.6**	**121.7**	**2081.**	**2083.**	**96.08**	**123.0**
Stddev	.2	.2	.07	.1	.4	11.	7.	.09	.4
%RSD	.2461	.0758	.0908	.0798	.3440	.5112	.3297	.0968	.3519
#1	100.3	254.7	72.65	134.8	121.5	2089.	2079.	96.10	123.4
#2	100.5	254.6	72.56	134.6	121.5	2086.	2080.	95.98	122.9
#3	100.0	255.0	72.68	134.6	122.2	2069.	2091.	96.16	122.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24357.**	**39774.**	**26793.**
Stddev	49.	256.	74.
%RSD	.20016	.64378	.27450
#1	24305.	40049.	26802.
#2	24367.	39731.	26715.
#3	24401.	39543.	26861.

Sample Name: AN03414 Acquired: 8/8/2011 16:13:24 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.305**	**65240.**	**66020.**	**60.68**	**689.4**	**3.764**	**21660.**	**1.923**	**225.1**	**380.4**
Stddev	.459	245.	169.	.29	2.0	.220	62.	.151	1.0	1.1
%RSD	35.14	.3757	.2564	.4844	.2882	5.840	.2866	7.860	.4451	.2920
#1	-1.833	65050.	65940.	60.75	690.3	3.829	21670.	1.894	225.7	379.3
#2	-.9999	65140.	66220.	60.35	690.7	3.945	21720.	2.086	225.7	381.5
#3	-1.084	65520.	65920.	60.93	687.1	3.519	21590.	1.788	224.0	380.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**403.9**	**F 175400.**	**209500.**	**9343.**	**129000.**	**4809.**	**4477.**	**2764.**	**1365.**	**8.216**
Stddev	2.4	1436.	1977.	51.	85.	20.	12.	6.	8.	1.614
%RSD	.5914	.8189	.9436	.5433	.0660	.4199	.2783	.2120	.6188	19.64
#1	401.2	176600.	210200.	9367.	129000.	4786.	4487.	2771.	1366.	6.919
#2	405.5	173800.	211000.	9377.	129100.	4822.	4481.	2763.	1373.	7.706
#3	405.1	175800.	207300.	9285.	129000.	4820.	4463.	2760.	1356.	10.02
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.191**	**-.0048**	**238.7**	**1193.**	**4.019**	**2973.**	**46.94**	**19890.**	**19890.**	**122.7**
Stddev	2.213	2.006	1.9	8.	.225	15.	1.67	112.	59.	.5
%RSD	185.8	41680.	.7824	.6532	5.593	.5068	3.563	.5604	.2983	.4281
#1	1.956	-1.473	236.7	1194.	3.790	2958.	48.87	19770.	19820.	122.2
#2	2.920	2.280	240.4	1199.	4.239	2988.	46.09	19990.	19930.	123.3
#3	-1.303	-.8223	239.1	1184.	4.030	2972.	45.86	19930.	19920.	122.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**277.1**
Stddev	.2
%RSD	.0643
#1	276.9
#2	277.1
#3	277.2
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24124.**	**39516.**	**26913.**
Stddev	175.	60.	349.
%RSD	.72494	.15071	1.2965
#1	24031.	39510.	27316.
#2	24016.	39459.	26722.
#3	24326.	39578.	26701.

Sample Name: AN03414 MS Acquired: 8/8/2011 16:18:21 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**185.5**	F **98170.**	**101500.**	**225.5**	**852.1**	**188.9**	**30380.**	**167.7**	**446.1**	**730.1**	**711.6**
Stddev	1.2	458.	494.	2.7	4.0	.2	167.	.5	1.1	6.0	2.4
%RSD	.6719	.4666	.4867	1.191	.4638	.0803	.5483	.3144	.2460	.8177	.3429
#1	186.9	98660.	102000.	228.6	856.3	188.8	30550.	168.1	446.8	733.5	714.3
#2	185.3	98100.	101400.	224.1	851.6	189.0	30360.	167.1	446.6	733.7	709.5
#3	184.4	97750.	101000.	223.8	848.4	189.0	30220.	167.9	444.8	723.2	711.0
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.									
Low Limit		-50.00									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**252300.**	**14680.**	**178000.**	**4524.**	**9078.**	**3687.**	**3976.**	**260.2**	**160.4**	**164.3**
Stddev	-----	2384.	47.	475.	22.	24.	11.	12.	4.5	1.1	2.5
%RSD	-----	.9452	.3196	.2671	.4874	.2617	.2885	.2914	1.711	.7136	1.528
#1	^ -----	254500.	14730.	178600.	4549.	9105.	3693.	3988.	258.9	160.2	161.7
#2	^ -----	252600.	14650.	177700.	4508.	9060.	3693.	3965.	256.6	161.6	166.7
#3	^ -----	249700.	14650.	177800.	4515.	9068.	3675.	3977.	265.2	159.3	164.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**467.5**	**1359.**	**162.2**	**3737.**	**230.6**	**25130.**	**25320.**	**316.3**	**1464.**
Stddev	4.1	.	.4	37.	.9	117.	154.	1.6	4.
%RSD	.8846	.0213	.2473	.9849	.3988	.4642	.6078	.5139	.3051
#1	470.3	1359.	162.4	3736.	229.9	25270.	25480.	316.6	1464.
#2	469.5	1359.	162.5	3774.	230.3	25080.	25330.	317.8	1468.
#3	462.8	1359.	161.8	3700.	231.7	25050.	25170.	314.6	1459.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24160.**	**39849.**	**27261.**
Stddev	59.	241.	39.
%RSD	.24490	.60385	.14474
#1	24143.	39735.	27270.
#2	24112.	39686.	27218.
#3	24226.	40125.	27295.

Sample Name: AN03414 SDL Acquired: 8/8/2011 16:23:13 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 5.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**187.6**	F **105600.**	**105300.**	**232.4**	**889.0**	**197.5**	**32270.**	**179.2**	**475.9**	**784.2**
Stddev	1.3	4489.	1770.	6.4	15.2	2.0	455.	1.2	.5	7.2
%RSD	.6668	4.253	1.681	2.737	1.708	1.001	1.411	.6845	.1100	.9179
#1	189.0	110700.	107300.	228.2	906.5	199.7	32800.	179.3	475.6	788.0
#2	187.3	103600.	104400.	229.3	881.1	196.4	32030.	180.4	476.5	788.6
#3	186.5	102400.	104100.	239.7	879.4	196.3	31980.	178.0	475.5	775.9
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**722.0**	F **265500.**	**275700.**	**15180.**	**188300.**	**4885.**	**9441.**	**3981.**	**4333.**	**256.5**
Stddev	4.0	1368.	4122.	134.	2369.	33.	222.	4.	25.	6.2
%RSD	.5578	.5155	1.495	.8809	1.258	.6823	2.356	.1021	.5862	2.422
#1	720.7	266700.	280400.	15310.	191000.	4909.	9697.	3982.	4307.	259.8
#2	726.5	265700.	273000.	15200.	186600.	4898.	9311.	3977.	4357.	249.4
#3	718.7	264000.	273600.	15040.	187300.	4847.	9314.	3986.	4335.	260.5
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**175.7**	**177.9**	**490.6**	**1514.**	**168.8**	**3896.**	**234.3**	**26610.**	**26630.**	**335.2**
Stddev	5.8	7.5	4.1	7.	.2	23.	5.3	132.	538.	.7
%RSD	3.319	4.196	.8398	.4497	.1016	.5913	2.274	.4941	2.020	.2232
#1	172.5	172.9	490.1	1506.	168.9	3901.	240.3	26570.	27240.	335.3
#2	172.2	186.5	494.9	1518.	168.8	3916.	230.3	26760.	26400.	336.0
#3	182.4	174.3	486.7	1517.	168.6	3870.	232.1	26500.	26240.	334.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**1581.**
Stddev	8.
%RSD	.5375
#1	1575.
#2	1577.
#3	1590.
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24455.**	**39202.**	**25226.**
Stddev	131.	331.	92.
%RSD	.53431	.84554	.36494
#1	24349.	38943.	25123.
#2	24415.	39088.	25300.
#3	24601.	39576.	25254.

Sample Name: AN03415 Acquired: 8/8/2011 16:27:44 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6400**	**62280.**	**64160.**	**80.63**	**722.7**	**3.658**	**12710.**	**3.151**	**367.6**	**670.4**	**542.7**
Stddev	.6172	836.	162.	3.05	.9	.164	30.	.071	.1	3.5	1.7
%RSD	96.44	1.342	.2531	3.785	.1305	4.491	.2323	2.267	.0222	.5248	.3121
#1	-.1191	61520.	64020.	80.41	722.0	3.486	12680.	3.233	367.5	666.4	541.0
#2	-.4791	62130.	64130.	77.69	722.4	3.814	12730.	3.100	367.6	671.4	544.3
#3	-1.322	63170.	64340.	83.79	723.8	3.672	12720.	3.121	367.6	673.2	542.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**266700.**	**9528.**	**211400.**	**2178.**	**9306.**	**5247.**	**1832.**	**7.858**	**-1.430**	**.5224**
Stddev	-----	2796.	17.	568.	11.	26.	5.	9.	3.071	.294	1.171
%RSD	-----	1.048	.1767	.2688	.5106	.2769	.1023	.5047	39.08	20.54	224.1
#1	^ -----	264000.	9548.	210800.	2181.	9278.	5250.	1823.	8.374	-1.497	-.3270
#2	^ -----	269600.	9518.	211800.	2187.	9330.	5251.	1841.	10.64	-1.685	1.858
#3	^ -----	266500.	9520.	211700.	2165.	9309.	5241.	1833.	4.561	-1.109	.0364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**256.0**	**1654.**	**6.001**	**2348.**	**63.96**	**16800.**	**17020.**	**147.4**	**95.31**
Stddev	1.1	5.	.247	5.	1.25	82.	108.	.7	1.81
%RSD	.4138	.2996	4.114	.2340	1.947	.4897	.6334	.4701	1.901
#1	254.8	1649.	5.905	2342.	62.81	16710.	16900.	147.5	93.22
#2	256.7	1659.	6.282	2350.	63.80	16810.	17050.	146.7	96.49
#3	256.5	1655.	5.817	2353.	65.28	16880.	17110.	148.1	96.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24492.**	**40034.**	**26785.**
Stddev	74.	162.	283.
%RSD	.30216	.40372	1.0571
#1	24446.	40195.	27112.
#2	24453.	40035.	26617.
#3	24577.	39872.	26627.

Sample Name: AN03416 Acquired: 8/8/2011 16:32:27 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4455	F 76550.	79050.	410.7	1314.	10.53	147000.	7.539	272.2	810.2
Stddev	.6511	350.	238.	10.3	4.	.35	399.	.324	.4	1.6
%RSD	146.1	.4571	.3009	2.507	.2838	3.325	.2718	4.300	.1532	.1925
#1	-.8860	76620.	79260.	402.0	1317.	10.84	146900.	7.542	272.6	808.5
#2	.3023	76850.	79110.	422.0	1316.	10.59	147400.	7.213	271.8	810.7
#3	-.7529	76170.	78790.	408.0	1310.	10.15	146600.	7.861	272.3	811.5
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3830.	^ *****	F 576200.	18210.	146100.	5287.	12870.	1826.	3371.	58.87
Stddev	6.	-----	4197.	61.	389.	31.	27.	2.	12.	3.46
%RSD	.1577	-----	.7284	.3376	.2661	.5841	.2105	.1113	.3700	5.879
#1	3823.	^ -----	574700.	18270.	146400.	5302.	12900.	1827.	3372.	58.26
#2	3832.	^ -----	581000.	18210.	146300.	5252.	12860.	1827.	3357.	55.76
#3	3835.	^ -----	573000.	18150.	145700.	5309.	12850.	1824.	3382.	62.60
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			450000.							
Low Limit			-500.0							

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.588	-1.862	310.2	11060.	284.3	5166.	339.8	30290.	30650.	718.9
Stddev	3.466	1.981	1.5	17.	.3	25.	.7	168.	103.	1.6
%RSD	96.61	106.4	.4736	.1520	.1185	.4796	.2068	.5552	.3347	.2200
#1	-4.305	-.6224	308.5	11060.	284.3	5169.	340.0	30100.	30580.	717.9
#2	.1810	-4.147	311.2	11040.	284.6	5188.	340.3	30390.	30760.	720.8
#3	-6.638	-.8161	310.9	11080.	283.9	5139.	339.0	30400.	30590.	718.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	524.8
Stddev	.4
%RSD	.0674
#1	525.0
#2	524.4
#3	525.1
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23543.	38641.	26169.
Stddev	99.	32.	55.
%RSD	.41944	.08331	.20945
#1	23431.	38639.	26154.
#2	23581.	38673.	26230.
#3	23617.	38609.	26124.

Sample Name: AN03417 Acquired: 8/8/2011 16:37:25 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.268	F 79540.	82410.	117.7	1152.	6.951	93450.	3.451	127.7	373.7
Stddev	.301	861.	143.	3.8	4.	.178	861.	.113	.3	1.6
%RSD	23.71	1.082	.1740	3.193	.3094	2.564	.9214	3.276	.2124	.4343
#1	-.9533	79140.	82520.	120.4	1155.	6.919	92470.	3.347	127.4	375.4
#2	-1.300	78950.	82460.	119.3	1152.	6.790	93800.	3.435	127.8	373.5
#3	-1.552	80530.	82250.	113.4	1148.	7.142	94090.	3.571	127.9	372.2
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1516.	F 183600.	221400.	10920.	98490.	3281.	2746.	1137.	2130.	16.84
Stddev	10.	1844.	3309.	9.	191.	40.	15.	2.	8.	.86
%RSD	.6363	1.004	1.495	.0857	.1943	1.212	.5510	.1634	.3962	5.078
#1	1519.	185700.	223400.	10930.	98480.	3317.	2739.	1139.	2128.	15.91
#2	1505.	182500.	223100.	10910.	98690.	3287.	2735.	1135.	2140.	17.59
#3	1523.	182600.	217500.	10920.	98310.	3238.	2763.	1137.	2123.	17.03
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.778	.4065	320.3	5104.	63.27	3608.	117.4	20090.	20280.	509.7
Stddev	7.598	2.001	1.9	7.	.47	56.	.7	93.	68.	2.5
%RSD	427.3	492.2	.6068	.1334	.7471	1.553	.6060	.4607	.3349	.4833
#1	5.766	1.052	321.9	5099.	63.77	3660.	117.1	20140.	20330.	511.0
#2	-9.429	2.005	318.1	5101.	63.21	3615.	118.2	19980.	20300.	511.3
#3	-1.671	-1.837	320.9	5112.	62.83	3548.	116.9	20140.	20200.	506.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	284.7
Stddev	.4
%RSD	.1536
#1	285.1
#2	284.7
#3	284.2
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24638.	39418.	26001.
Stddev	60.	332.	306.
%RSD	.24173	.84183	1.1781
#1	24587.	39063.	26355.
#2	24703.	39469.	25818.
#3	24623.	39721.	25830.

Sample Name: AN03418 Acquired: 8/8/2011 16:42:31 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.024**	**34330.**	**36020.**	**148.5**	**1197.**	**12.79**	**500800.**	**12.48**	**251.2**	**522.4**
Stddev	.341	370.	328.	3.4	10.	.17	9340.	.92	1.8	1.5
%RSD	6.783	1.077	.9101	2.272	.8023	1.295	1.865	7.412	.7079	.2880
#1	4.633	33920.	35960.	147.2	1195.	12.60	492500.	13.22	253.0	521.2
#2	5.263	34630.	35730.	152.4	1188.	12.89	498900.	12.77	251.1	522.1
#3	5.175	34440.	36370.	146.0	1207.	12.88	510900.	11.44	249.5	524.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9281.**	^ *****	F **544600.**	**4401.**	**297700.**	**3969.**	**6371.**	**1622.**	**26200.**	**3847.**
Stddev	88.	-----	8221.	26.	474.	35.	35.	2.	258.	3.
%RSD	.9472	-----	1.510	.5863	.1591	.8786	.5544	.1019	.9834	.0691
#1	9183.	^ -----	536100.	4389.	298200.	3942.	6333.	1624.	26440.	3850.
#2	9352.	^ -----	545300.	4431.	297300.	4008.	6375.	1620.	26230.	3845.
#3	9308.	^ -----	552500.	4384.	297700.	3958.	6404.	1621.	25920.	3848.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			450000.							
Low Limit			-500.0							

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.280**	**-1.210**	**285.3**	**6549.**	**60.65**	**1733.**	**153.5**	**24620.**	**25090.**	**617.2**
Stddev	2.283	1.417	2.4	42.	.44	5.	.9	198.	196.	2.0
%RSD	178.3	117.1	.8582	.6460	.7274	.3141	.5926	.8046	.7805	.3168
#1	-3.098	-1.287	282.5	6591.	60.20	1729.	153.3	24410.	25060.	615.6
#2	-2.024	-2.586	286.2	6552.	60.65	1731.	152.8	24630.	24910.	619.4
#3	1.281	.2445	287.2	6506.	61.09	1739.	154.5	24810.	25300.	616.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**18100.**
Stddev	27.
%RSD	.1519
#1	18130.
#2	18080.
#3	18090.
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**22537.**	**36776.**	**24583.**
Stddev	127.	376.	303.
%RSD	.56286	1.0227	1.2320
#1	22505.	37176.	24811.
#2	22430.	36429.	24700.
#3	22677.	36722.	24240.

Sample Name: CCV Acquired: 8/8/2011 16:47:30 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**202.5**	**4998.**	**4973.**	**190.0**	**197.0**	**199.3**	**5267.**	**198.3**	**191.9**	**216.4**	**204.3**
Stddev	1.1	32.	30.	3.8	.7	.2	30.	1.4	1.1	.7	2.3
%RSD	.5441	.6326	.6060	2.021	.3330	.1225	.5775	.7128	.5623	.3139	1.136
#1	202.6	4994.	4938.	192.1	196.3	199.5	5258.	197.4	191.1	215.7	205.9
#2	203.6	5031.	4991.	192.4	197.3	199.0	5301.	197.6	191.4	217.0	205.4
#3	201.4	4969.	4990.	185.6	197.5	199.2	5242.	199.9	193.1	216.5	201.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5453.**	**5279.**	**5034.**	**5327.**	**217.0**	**5175.**	**199.2**	**204.0**	**194.5**	**192.4**	**198.8**
Stddev	42.	40.	63.	62.	.8	21.	.9	1.7	2.1	3.7	2.4
%RSD	.7686	.7587	1.246	1.161	.3681	.4000	.4495	.8241	1.092	1.904	1.196
#1	5474.	5276.	4968.	5291.	216.1	5153.	198.2	203.5	196.1	188.9	197.3
#2	5480.	5320.	5092.	5398.	217.6	5177.	199.7	202.6	195.3	196.2	197.6
#3	5405.	5240.	5042.	5291.	217.2	5194.	199.8	205.8	192.1	192.1	201.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**204.0**	**202.1**	**196.2**	**200.6**	**189.3**	**5126.**	**5066.**	**211.8**	**209.6**
Stddev	.8	.9	.9	.6	1.7	25.	35.	.6	1.8
%RSD	.3920	.4699	.4781	.2750	.8865	.4789	.6902	.2851	.8531
#1	203.6	201.8	197.1	200.3	188.2	5127.	5027.	212.4	210.9
#2	205.0	201.4	195.2	201.2	188.5	5150.	5095.	211.2	210.3
#3	203.5	203.2	196.3	200.2	191.3	5101.	5077.	211.7	207.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24879.**	**38772.**	**23580.**
Stddev	148.	291.	362.
%RSD	.59623	.75148	1.5370
#1	24973.	39088.	23959.
#2	24957.	38715.	23544.
#3	24708.	38513.	23237.

Sample Name: CCB Acquired: 8/8/2011 16:51:44 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2752	-1.807	4.912	.3410	.2563	-.0628	2.009	-.2455	-.0912	-.4585	-.4734
Stddev	.5028	.787	5.652	2.224	.1009	.3271	3.718	.2046	.1131	.1249	.4204
%RSD	182.7	43.56	115.1	652.4	39.35	520.7	185.0	83.34	124.0	27.24	88.81
#1	-.8330	-.9769	6.830	2.822	.2793	.2894	6.191	-.1312	-.1782	-.5991	-.9458
#2	-.1359	-1.902	9.355	-1.476	.1459	-.3572	.7595	-.1235	.0366	-.3603	-.3339
#3	.1431	-2.543	-1.450	-.3226	.3437	-.1207	-.9222	-.4817	-.1320	-.4162	-.1405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.130	2.460	-34.33	11.58	-.1532	-47.90	-.1677	-.7950	-2.921	-.9770	-.9132
Stddev	1.112	3.215	6.83	6.39	.0412	12.13	.1687	1.914	3.651	2.016	1.319
%RSD	52.23	130.7	19.89	55.21	26.88	25.32	100.6	240.7	125.0	206.3	144.4
#1	3.287	5.214	-38.21	12.43	-.1153	-34.34	.0257	-.1327	-1.662	-3.302	-.3523
#2	2.035	3.239	-38.33	4.806	-.1472	-51.67	-.2841	.6994	-.0666	.0947	.0323
#3	1.068	-1.072	-26.45	17.51	-.1970	-57.70	-.2447	-2.952	-7.036	.2764	-2.420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2506	.0657	-.3771	-.2495	-1.059	2.116	-3.617	.3009	.8668
Stddev	.1409	.2863	.1011	.1706	.719	.168	6.162	.5975	.3136
%RSD	56.20	436.0	26.81	68.39	67.89	7.949	170.4	198.6	36.19
#1	-.3260	.3924	-.4931	-.1499	-.9001	2.252	-3.908	-.2050	.5366
#2	-.3378	-.1413	-.3297	-.4465	-.4326	1.928	2.686	.1475	1.161
#3	-.0881	-.0540	-.3084	-.1522	-1.844	2.168	-9.628	.9601	.9028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25068.	39565.	24674.
Stddev	74.	439.	196.
%RSD	.29374	1.1089	.79463
#1	25011.	39137.	24649.
#2	25042.	40014.	24881.
#3	25151.	39545.	24491.

Sample Name: AN03419 Acquired: 8/8/2011 16:56:10 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.934**	**51530.**	**52400.**	**621.4**	**2636.**	**2.975**	**145900.**	**22.23**	**556.6**	**341.0**
Stddev	.214	355.	489.	10.7	22.	.168	1140.	.21	.9	3.0
%RSD	3.604	.6887	.9324	1.728	.8346	5.646	.7814	.9332	.1549	.8752
#1	5.688	51450.	52590.	616.3	2646.	2.794	147100.	21.99	555.8	342.7
#2	6.076	51920.	52770.	614.3	2652.	3.125	145900.	22.32	556.6	342.8
#3	6.038	51220.	51850.	633.8	2611.	3.007	144900.	22.38	557.5	337.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**32270.**	^ *****	F **848100.**	**9946.**	**39350.**	**8887.**	**39110.**	**805.0**	**50060.**	**185.1**
Stddev	321.	----	5901.	41.	71.	64.	303.	.8	172.	.5
%RSD	.9946	----	.6958	.4142	.1794	.7209	.7753	.0964	.3430	.2588
#1	32630.	^ ----	848800.	9977.	39300.	8865.	39360.	805.6	49880.	184.9
#2	32010.	^ ----	841900.	9961.	39430.	8959.	39190.	804.1	50060.	184.8
#3	32160.	^ ----	853600.	9899.	39330.	8837.	38770.	805.3	50230.	185.7
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			450000.							
Low Limit			-500.0							

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.023**	**-3.349**	**295.1**	**8764.**	**40.00**	**2019.**	**207.5**	**15560.**	**15650.**	**1431.**
Stddev	4.034	1.815	3.0	20.	.63	15.	1.5	103.	144.	14.
%RSD	133.4	54.20	1.023	.2291	1.582	.7231	.7123	.6641	.9197	1.004
#1	-7.527	-1.822	297.3	8741.	40.73	2028.	206.4	15630.	15640.	1443.
#2	-1.799	-2.870	296.3	8779.	39.58	2028.	209.2	15600.	15790.	1435.
#3	.2571	-5.356	291.7	8772.	39.70	2002.	206.9	15440.	15500.	1415.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**936.2**
Stddev	4.2
%RSD	.4535
#1	939.9
#2	937.2
#3	931.6
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24219.**	**40158.**	**27539.**
Stddev	54.	370.	191.
%RSD	.22329	.92190	.69310
#1	24259.	39877.	27696.
#2	24158.	40020.	27327.
#3	24241.	40578.	27594.

Sample Name: AN03420 Acquired: 8/8/2011 17:01:10 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4567	53030.	54200.	72.23	813.9	3.671	61630.	3.771	52.11	155.1
Stddev	.1479	837.	307.	2.89	3.2	.108	259.	.133	.11	1.1
%RSD	32.38	1.579	.5666	4.003	.3871	2.930	.4209	3.517	.2202	.6990
#1	-.4693	53640.	54540.	75.52	817.5	3.737	61920.	3.763	52.07	156.0
#2	-.5979	52080.	54130.	71.08	812.0	3.547	61510.	3.643	52.24	153.9
#3	-.3030	53370.	53940.	70.09	812.1	3.730	61450.	3.908	52.02	155.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	544.4	F 123800.	141200.	14700.	53890.	2298.	3169.	166.7	4538.	14.26
Stddev	2.0	1202.	2383.	48.	65.	21.	20.	.5	16.	2.36
%RSD	.3626	.9710	1.688	.3259	.1205	.8949	.6433	.2885	.3461	16.52
#1	545.1	124900.	143800.	14730.	53970.	2297.	3173.	167.2	4522.	12.58
#2	542.1	122500.	140500.	14740.	53850.	2277.	3146.	166.5	4537.	16.95
#3	545.9	124000.	139200.	14650.	53860.	2318.	3186.	166.3	4553.	13.24
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.634	.1917	292.4	1456.	17.01	3331.	33.20	14150.	14200.	207.2
Stddev	2.193	1.655	2.5	2.	.37	40.	.77	75.	56.	1.3
%RSD	83.25	863.1	.8569	.1262	2.154	1.194	2.330	.5271	.3929	.6306
#1	-5.107	.0206	293.1	1456.	16.97	3326.	32.61	14160.	14260.	208.4
#2	-.9254	1.925	289.6	1455.	16.67	3294.	32.91	14070.	14200.	205.8
#3	-1.870	-1.371	294.5	1458.	17.40	3373.	34.07	14220.	14150.	207.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	65.54
Stddev	1.08
%RSD	1.651
#1	66.62
#2	65.54
#3	64.46
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25488.	41574.	27146.
Stddev	105.	410.	356.
%RSD	.41118	.98591	1.3126
#1	25367.	41266.	26749.
#2	25547.	42039.	27249.
#3	25549.	41417.	27439.

Sample Name: AN03421 Acquired: 8/8/2011 17:06:10 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.388	F 80690.	87410.	84.07	2301.	50.15	878400.	10.66	374.8	1132.
Stddev	.456	816.	292.	2.75	4.	.43	11650.	.24	1.8	1.
%RSD	32.85	1.011	.3345	3.273	.1916	.8637	1.326	2.280	.4713	.1176
#1	1.478	81630.	87680.	86.92	2305.	50.50	872000.	10.71	374.3	1133.
#2	1.792	80200.	87100.	81.43	2297.	49.66	871400.	10.40	373.3	1133.
#3	.8937	80230.	87450.	83.86	2301.	50.27	891900.	10.88	376.7	1131.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9630.	^ *****	F 635900.	18210.	469800.	6199.	33210.	3289.	10110.	63.72
Stddev	168.	-----	2714.	37.	1330.	30.	219.	18.	41.	1.92
%RSD	1.743	-----	.4267	.2008	.2831	.4769	.6587	.5432	.4024	3.005
#1	9636.	^ -----	636200.	18170.	471000.	6165.	33290.	3280.	10120.	65.08
#2	9458.	^ -----	633100.	18220.	468400.	6219.	32970.	3277.	10060.	61.53
#3	9794.	^ -----	638500.	18240.	470100.	6213.	33380.	3309.	10140.	64.55
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			450000.							
Low Limit			-500.0							

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.512	-2.569	290.1	19060.	248.1	5326.	735.8	71950.	73530.	1252.
Stddev	.943	.916	2.2	83.	2.2	63.	3.7	1260.	110.	2.
%RSD	20.89	35.68	.7522	.4350	.8901	1.181	.5019	1.751	.1500	.1536
#1	-5.597	-3.624	288.5	19030.	246.3	5264.	739.6	71180.	73420.	1253.
#2	-3.893	-2.102	292.6	19000.	247.6	5324.	732.2	71260.	73640.	1253.
#3	-4.046	-1.979	289.4	19160.	250.6	5390.	735.8	73400.	73520.	1250.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	1994.
Stddev	17.
%RSD	.8381
#1	1983.
#2	1985.
#3	2013.
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	22344.	37314.	25316.
Stddev	96.	108.	455.
%RSD	.42990	.29033	1.7955
#1	22422.	37360.	25202.
#2	22375.	37392.	25816.
#3	22237.	37190.	24929.

Sample Name: AN03422 Acquired: 8/8/2011 17:11:25 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.830	18340.	18580.	58.61	1622.	1.373	174100.	14.64	100.9	99.49
Stddev	.634	163.	38.	2.98	4.	.155	1999.	.62	.1	1.03
%RSD	8.095	.8888	.2072	5.077	.2604	11.28	1.148	4.249	.0697	1.038
#1	7.739	18330.	18610.	55.76	1627.	1.362	175500.	14.64	100.8	98.85
#2	7.246	18190.	18590.	61.70	1623.	1.533	171800.	15.26	100.8	98.93
#3	8.504	18510.	18530.	58.37	1618.	1.224	175000.	14.01	100.9	100.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2600.	^ *****	277800.	2783.	20020.	8465.	13180.	148.5	F 277500.	41.65
Stddev	26.	-----	5657.	80.	60.	39.	30.	.8	4543.	2.19
%RSD	.9997	-----	2.036	2.860	.2997	.4621	.2283	.5722	1.637	5.253
#1	2609.	^ -----	281200.	2861.	19960.	8510.	13210.	148.7	282300.	39.61
#2	2570.	^ -----	271300.	2787.	20070.	8438.	13150.	147.5	277100.	43.96
#3	2619.	^ -----	281000.	2702.	20030.	8446.	13190.	149.2	273200.	41.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									67500.	
Low Limit									-80.00	

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19.57	-7.879	115.0	2962.	18.17	1133.	308.2	7419.	7496.	1374.
Stddev	2.58	1.845	1.6	13.	.17	8.	2.0	83.	36.	10.
%RSD	13.20	23.42	1.413	.4248	.9170	.6923	.6600	1.114	.4801	.7059
#1	16.60	-9.146	114.6	2967.	18.33	1132.	308.5	7454.	7516.	1371.
#2	20.79	-8.728	113.6	2971.	18.00	1126.	310.0	7325.	7518.	1366.
#3	21.31	-5.762	116.8	2947.	18.19	1141.	306.0	7478.	7455.	1384.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	222.8
Stddev	1.6
%RSD	.6988
#1	221.8
#2	222.0
#3	224.6
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24248.	39596.	25546.
Stddev	142.	210.	419.
%RSD	.58663	.52916	1.6416
#1	24170.	39626.	25737.
#2	24163.	39789.	25836.
#3	24413.	39373.	25065.

Sample Name: AN03423 Acquired: 8/8/2011 17:16:28 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.140**	**27810.**	**28280.**	**262.5**	**3262.**	**2.007**	**26230.**	**22.84**	**126.9**	**295.5**
Stddev	.157	183.	115.	2.0	9.	.113	118.	1.09	.5	1.5
%RSD	3.050	.6587	.4051	.7734	.2911	5.611	.4500	4.764	.3735	.5083
#1	5.262	28010.	28270.	264.7	3268.	2.033	26250.	24.04	126.4	296.7
#2	5.194	27650.	28390.	260.8	3268.	2.105	26330.	22.58	127.4	295.9
#3	4.963	27780.	28170.	262.0	3251.	1.884	26100.	21.91	127.0	293.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20620.**	^ *****	F **860400.**	**1811.**	**6447.**	**4410.**	**17420.**	**346.8**	F **78080.**	**4277.**
Stddev	379.	-----	11420.	9.	66.	66.	47.	1.4	359.	5.
%RSD	1.840	-----	1.327	.5070	1.024	1.497	.2670	.4064	.4597	.1074
#1	20850.	^ -----	848100.	1808.	6410.	4476.	17440.	347.5	78100.	4271.
#2	20820.	^ -----	870600.	1821.	6524.	4410.	17450.	345.1	78420.	4279.
#3	20180.	^ -----	862500.	1803.	6409.	4344.	17360.	347.6	77700.	4280.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			450000.						67500.	
Low Limit			-500.0						-80.00	

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.7172**	**-3.739**	**253.0**	**8590.**	**21.52**	**1869.**	**60.73**	**11200.**	**11560.**	**386.4**
Stddev	1.448	.983	1.5	17.	.26	8.	2.71	43.	36.	2.5
%RSD	201.9	26.29	.5919	.1995	1.206	.4324	4.461	.3806	.3091	.6397
#1	2.144	-2.625	253.9	8597.	21.32	1875.	60.63	11240.	11550.	388.8
#2	-.7517	-4.104	253.8	8602.	21.82	1871.	63.49	11210.	11600.	386.7
#3	.7596	-4.487	251.3	8570.	21.44	1860.	58.07	11160.	11530.	383.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**5440.**
Stddev	8.
%RSD	.1521
#1	5445.
#2	5431.
#3	5444.
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24609.**	**40386.**	**26129.**
Stddev	68.	412.	260.
%RSD	.27624	1.0197	.99625
#1	24543.	40032.	26415.
#2	24604.	40288.	25905.
#3	24679.	40838.	26069.

Sample Name: AN03424 Acquired: 8/8/2011 17:21:19 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.549**	**10990.**	**11010.**	**20.03**	**2010.**	**.3732**	**260500.**	**21.56**	**17.83**	**29.21**
Stddev	.217	49.	16.	2.53	5.	.0919	3671.	.32	.27	.40
%RSD	8.530	.4484	.1497	12.62	.2566	24.63	1.409	1.481	1.496	1.364
#1	2.472	10950.	11010.	22.58	2011.	.4568	262600.	21.89	17.80	29.57
#2	2.794	11050.	10990.	19.98	2005.	.2748	256300.	21.54	17.57	28.78
#3	2.380	10980.	11020.	17.53	2015.	.3880	262700.	21.26	18.11	29.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**792.8**	^ *****	**390700.**	**2517.**	**6929.**	**5797.**	**64860.**	**45.59**	F **346100.**	**35.22**
Stddev	3.2	-----	6468.	15.	30.	54.	63.	.66	3594.	2.23
%RSD	.4007	-----	1.656	.6112	.4281	.9278	.0975	1.441	1.038	6.342
#1	789.7	^ -----	384500.	2508.	6908.	5786.	64910.	44.85	346800.	37.19
#2	796.0	^ -----	390000.	2535.	6963.	5750.	64870.	45.84	349400.	32.79
#3	792.8	^ -----	397400.	2509.	6916.	5855.	64780.	46.09	342300.	35.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									67500.	
Low Limit									-80.00	

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.39**	**-8.519**	**57.49**	**2271.**	**7.599**	**564.9**	**281.2**	**3212.**	**3199.**	**1915.**
Stddev	2.23	1.487	.35	2.	.113	1.2	2.4	13.	36.	2.
%RSD	19.60	17.46	.6110	.0700	1.484	.2123	.8494	.3908	1.114	.0840
#1	8.816	-6.806	57.88	2269.	7.469	563.8	283.9	3200.	3200.	1913.
#2	12.66	-9.481	57.19	2270.	7.673	566.1	280.1	3225.	3162.	1915.
#3	12.71	-9.270	57.41	2272.	7.654	564.7	279.5	3211.	3234.	1916.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**48.20**
Stddev	.51
%RSD	1.054
#1	48.56
#2	48.41
#3	47.62
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23585.**	**38427.**	**25178.**
Stddev	78.	185.	166.
%RSD	.33268	.48083	.65848
#1	23669.	38541.	25278.
#2	23514.	38526.	25268.
#3	23572.	38214.	24986.

Sample Name: AN03425 Acquired: 8/8/2011 17:26:16 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.487	F 85120.	90540.	202.0	1671.	4.503	228600.	9.341	173.0	464.1
Stddev	.494	1283.	487.	9.0	12.	.366	468.	.440	.3	2.2
%RSD	19.87	1.507	.5378	4.462	.6920	8.125	.2049	4.711	.1812	.4827
#1	-2.827	86460.	91020.	202.0	1683.	4.614	228400.	9.842	173.3	466.5
#2	-2.714	83900.	90570.	192.9	1672.	4.094	229100.	9.017	172.7	463.7
#3	-1.920	85010.	90050.	210.9	1660.	4.800	228200.	9.164	172.9	462.0
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4623.	^ *****	F 841800.	8270.	24070.	5302.	25760.	389.6	F 68720.	332.9
Stddev	16.	-----	3435.	40.	86.	63.	68.	.9	205.	5.8
%RSD	.3556	-----	.4080	.4875	.3561	1.179	.2651	.2423	.2981	1.739
#1	4639.	^ -----	838500.	8224.	24000.	5356.	25840.	390.6	68890.	336.2
#2	4622.	^ -----	841500.	8284.	24040.	5233.	25720.	389.5	68490.	336.3
#3	4607.	^ -----	845400.	8301.	24170.	5317.	25720.	388.7	68780.	326.2
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			450000.						67500.	
Low Limit			-500.0						-80.00	

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.442	-2.086	273.0	3813.	49.30	3687.	120.7	15110.	15500.	1335.
Stddev	3.156	.783	1.6	8.	.58	56.	.9	69.	148.	4.
%RSD	218.9	37.53	.5845	.2063	1.167	1.530	.7311	.4550	.9534	.2762
#1	.1438	-2.553	274.7	3821.	49.12	3743.	119.7	15180.	15610.	1339.
#2	-5.076	-2.522	272.9	3805.	48.84	3630.	121.3	15110.	15550.	1334.
#3	.6067	-1.182	271.5	3813.	49.95	3687.	121.2	15040.	15330.	1332.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	838.4
Stddev	1.5
%RSD	.1789
#1	838.4
#2	839.9
#3	836.9
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24476.	40288.	26364.
Stddev	37.	431.	214.
%RSD	.14930	1.0693	.81290
#1	24465.	39790.	26594.
#2	24516.	40550.	26328.
#3	24446.	40522.	26170.

Sample Name: AN03426 Acquired: 8/8/2011 17:31:16 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3055	59190.	60970.	293.3	2365.	20.12	135400.	32.33	523.0
Stddev	.6590	896.	286.	7.5	8.	.19	1342.	1.37	1.3
%RSD	215.7	1.513	.4687	2.561	.3424	.9318	.9915	4.224	.2395
#1	-.3669	58750.	60640.	294.6	2355.	20.25	134000.	32.88	522.5
#2	.9502	60220.	61120.	285.2	2369.	19.90	136600.	30.77	522.1
#3	.3333	58590.	61150.	300.0	2370.	20.19	135600.	33.33	524.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1313.	10780.	^ *****	F 1195000.	6003.	60040.	6551.	8327.	1884.
Stddev	8.	128.	----	21300.	47.	224.	40.	22.	2.
%RSD	.5861	1.184	----	1.782	.7800	.3734	.6080	.2691	.1292
#1	1312.	10660.	^ ----	1174000.	5950.	59850.	6540.	8306.	1885.
#2	1320.	10910.	^ ----	1216000.	6039.	59980.	6595.	8351.	1886.
#3	1305.	10760.	^ ----	1195000.	6018.	60290.	6518.	8325.	1881.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				450000.					
Low Limit				-500.0					

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50100.	266.5	16.67	-4.337	511.6	21370.	115.5	3094.	359.5
Stddev	318.	2.9	1.76	1.803	3.1	79.	.6	27.	.5
%RSD	.6342	1.075	10.58	41.58	.6021	.3711	.4775	.8693	.1465
#1	49960.	269.7	18.45	-5.620	513.4	21350.	115.7	3064.	359.0
#2	49880.	265.7	16.63	-2.275	513.4	21300.	115.9	3115.	360.0
#3	50460.	264.1	14.93	-5.116	508.1	21450.	114.9	3104.	359.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	33640.	34240.	495.7	847.6
Stddev	235.	221.	1.9	1.2
%RSD	.6997	.6445	.3783	.1444
#1	33620.	33990.	494.1	849.0
#2	33880.	34400.	497.8	846.6
#3	33410.	34340.	495.4	847.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	23861.	38915.	25751.
Stddev	50.	305.	249.
%RSD	.21063	.78316	.96824
#1	23868.	39207.	26032.
#2	23907.	38599.	25665.
#3	23808.	38938.	25556.

Sample Name: AN03427 Acquired: 8/8/2011 17:36:25 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.106**	**52340.**	**54140.**	**61.89**	**1542.**	**2.917**	**243200.**	**1.651**	**51.06**	**160.5**
Stddev	.213	482.	24.	2.23	1.	.307	4397.	.190	.34	.9
%RSD	6.845	.9205	.0450	3.596	.0693	10.52	1.808	11.49	.6596	.5894
#1	3.315	52810.	54170.	59.49	1541.	3.271	241700.	1.480	50.78	161.3
#2	3.112	51840.	54140.	63.89	1543.	2.743	248200.	1.856	51.43	160.7
#3	2.890	52380.	54120.	62.29	1542.	2.735	239800.	1.618	50.95	159.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**741.9**	F **126800.**	**145900.**	**9132.**	**30160.**	**4128.**	**2322.**	**211.4**	**4697.**	**13.53**
Stddev	3.3	850.	624.	50.	176.	9.	20.	.3	9.	4.17
%RSD	.4409	.6704	.4273	.5459	.5847	.2220	.8398	.1261	.1848	30.82
#1	745.6	127700.	145200.	9141.	29960.	4134.	2335.	211.7	4698.	9.171
#2	740.6	126900.	146400.	9177.	30300.	4117.	2331.	211.3	4705.	13.93
#3	739.4	126000.	146200.	9078.	30220.	4132.	2300.	211.2	4688.	17.48
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.619**	**-1.263**	**217.6**	**1331.**	**2.924**	**2041.**	**34.38**	**12580.**	**12660.**	**459.5**
Stddev	4.405	1.164	.8	2.	.506	4.	.96	65.	32.	1.3
%RSD	95.36	92.22	.3640	.1498	17.30	.1790	2.803	.5195	.2545	.2752
#1	8.889	-.8477	218.4	1333.	3.086	2045.	35.40	12660.	12650.	460.9
#2	4.878	-2.577	216.9	1332.	2.357	2039.	33.48	12550.	12700.	458.5
#3	.0908	-.3625	217.4	1329.	3.330	2038.	34.27	12540.	12640.	459.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**185.9**
Stddev	.8
%RSD	.4193
#1	185.7
#2	185.3
#3	186.8
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25142.**	**40780.**	**25675.**
Stddev	46.	147.	227.
%RSD	.18345	.36102	.88437
#1	25136.	40612.	25831.
#2	25100.	40888.	25415.
#3	25191.	40840.	25781.

Sample Name: PBS-2 B19 P06 Acquired: 8/8/2011 17:41:24 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 0.083330
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0184**	**.2663**	**.8415**	**.3239**	**.0394**	**.0001**	**2.232**	**-.0281**	**-.0354**	**-.0340**	**-.0039**
Stddev	.0392	.0798	.7231	.3170	.0184	.0322	.575	.0032	.0117	.0356	.0178
%RSD	212.5	29.99	85.93	97.89	46.71	53170.	25.75	11.56	32.98	104.6	452.2
#1	.0318	.3519	1.226	.2402	.0371	-.0239	2.847	-.0263	-.0305	-.0690	.0022
#2	.0492	.2528	1.291	.0571	.0222	-.0126	2.140	-.0319	-.0269	.0022	.0100
#3	-.0257	.1940	.0074	.6744	.0588	.0366	1.709	-.0261	-.0487	-.0353	-.0240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.625**	**1.580**	**-6.375**	**.5705**	**.0237**	**-6.108**	**.0099**	**.6760**	**-.1460**	**.0922**	**-.0180**
Stddev	.255	.409	.148	.8576	.0038	.536	.0438	.0735	.2885	.3058	.1807
%RSD	15.70	25.88	2.315	150.3	16.17	8.779	444.5	10.87	197.6	331.7	1003.
#1	1.889	1.892	-6.206	.4419	.0269	-6.148	.0478	.6703	.0991	.3055	.1788
#2	1.605	1.117	-6.443	1.485	.0195	-5.553	-.0381	.6056	-.0732	-.2582	-.1763
#3	1.380	1.732	-6.477	-.2156	.0246	-6.623	.0198	.7522	-.4639	.2293	-.0566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0208**	**.1302**	**-.0175**	**-.0111**	**-.2085**	**1.099**	**2.064**	**.0552**	**.0495**
Stddev	.0120	.0154	.0100	.0126	.0350	.177	.809	.0409	.0179
%RSD	57.77	11.87	57.04	113.6	16.79	16.16	39.18	74.12	36.07
#1	-.0227	.1234	-.0275	-.0257	-.2407	.9469	2.932	.0302	.0682
#2	-.0319	.1193	-.0175	-.0035	-.2134	1.055	1.927	.1025	.0327
#3	-.0080	.1479	-.0076	-.0041	-.1712	1.294	1.332	.0330	.0476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25425.**	**39531.**	**24077.**
Stddev	30.	332.	352.
%RSD	.11832	.83931	1.4609
#1	25437.	39849.	24450.
#2	25391.	39187.	23752.
#3	25447.	39556.	24028.

Sample Name: CCV Acquired: 8/8/2011 17:45:49 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**196.6**	**4818.**	**4946.**	**197.8**	**194.8**	**196.1**	**5173.**	**203.9**	**193.7**	**212.2**	**198.9**
Stddev	2.1	26.	9.	6.7	.7	.9	17.	1.3	.5	1.6	.5
%RSD	1.091	.5395	.1722	3.375	.3355	.4628	.3375	.6207	.2823	.7403	.2336
#1	195.6	4816.	4937.	196.9	195.4	197.1	5153.	203.3	193.6	211.5	198.8
#2	195.0	4793.	4954.	204.8	194.1	195.9	5184.	205.4	194.3	211.1	198.6
#3	199.0	4845.	4946.	191.6	194.8	195.3	5183.	203.1	193.2	214.0	199.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5299.**	**5201.**	**5074.**	**5317.**	**212.2**	**5136.**	**199.1**	**207.5**	**190.8**	**198.9**	**197.7**
Stddev	20.	27.	53.	31.	1.5	23.	.3	1.3	3.4	1.9	1.3
%RSD	.3789	.5245	1.041	.5917	.7150	.4556	.1596	.6061	1.769	.9545	.6598
#1	5293.	5173.	5131.	5281.	212.2	5122.	198.8	206.3	187.0	196.9	196.2
#2	5283.	5201.	5027.	5339.	210.6	5122.	199.3	208.8	193.0	199.1	198.4
#3	5322.	5228.	5065.	5332.	213.7	5163.	199.4	207.2	192.5	200.7	198.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.4**	**206.8**	**195.8**	**197.2**	**190.2**	**5025.**	**5085.**	**209.2**	**207.3**
Stddev	1.7	1.7	.5	.9	1.0	32.	8.	1.4	1.5
%RSD	.8351	.8291	.2770	.4693	.5296	.6438	.1567	.6708	.7453
#1	199.0	205.5	195.4	197.0	190.1	5013.	5076.	209.3	205.5
#2	198.0	208.7	195.5	196.4	191.2	5001.	5089.	207.8	208.0
#3	201.2	206.1	196.4	198.2	189.2	5062.	5091.	210.6	208.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**26393.**	**41464.**	**23831.**
Stddev	215.	304.	313.
%RSD	.81554	.73322	1.3152
#1	26255.	41126.	24020.
#2	26284.	41715.	24005.
#3	26641.	41551.	23470.

Sample Name: CCB Acquired: 8/8/2011 17:50:01 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0456	-2.401	-1.194	2.320	.4410	.0473	2.377	-.2682	-.3866	-.6683	.0281
Stddev	.4825	.454	2.121	1.602	.1501	.1309	3.921	.0650	.1481	.1100	.1154
%RSD	1058.	18.92	177.6	69.05	34.03	276.9	165.0	24.24	38.31	16.46	410.6
#1	.4196	-2.923	-.4114	1.161	.2690	.0213	6.849	-.3040	-.2764	-.6765	-.0946
#2	-.0126	-2.097	.4239	1.651	.5452	.1892	.7538	-.3073	-.3284	-.7740	.1344
#3	-.5438	-2.182	-3.596	4.148	.5088	-.0687	-.4726	-.1931	-.5549	-.5545	.0446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.429	7.334	-95.28	-10.12	-.1100	-39.39	.1457	5.176	-2.300	-.7120	.0301
Stddev	1.377	3.050	54.42	17.63	.0224	18.74	.4046	1.019	3.948	5.838	2.300
%RSD	21.41	41.59	57.12	174.3	20.40	47.58	277.8	19.69	171.7	819.9	7636.
#1	7.658	10.51	-99.38	-30.48	-.0850	-17.75	.6120	4.105	-5.865	5.996	1.852
#2	6.688	7.056	-147.5	.0752	-.1284	-50.19	-.1115	5.288	-2.977	-4.643	-2.554
#3	4.942	4.433	-38.93	.0486	-.1165	-50.22	-.0635	6.135	1.943	-3.490	.7926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1904	.3318	-.1323	-.2383	-2.970	.1879	-2.320	.3946	.1462
Stddev	.0648	.0764	.1580	.1899	1.087	.5339	4.956	.8305	.7885
%RSD	34.04	23.04	119.4	79.68	36.59	284.2	213.7	210.5	539.3
#1	.1156	.2774	-.1774	-.4084	-2.237	.7845	-4.013	.4465	-.7642
#2	.2262	.2987	-.2628	-.2732	-2.454	.0240	3.261	-.4607	.6144
#3	.2295	.4192	.0433	-.0334	-4.218	-.2448	-6.207	1.198	.5884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25414.	40125.	24021.
Stddev	176.	349.	307.
%RSD	.69428	.86966	1.2794
#1	25222.	39894.	24128.
#2	25454.	39955.	23675.
#3	25568.	40527.	24261.

Sample Name: LCSS-3 B19P06 Acquired: 8/8/2011 17:54:26 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 0.094340
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.82**	**6800.**	**6960.**	**99.67**	**291.3**	**85.36**	**5872.**	**95.57**	**116.3**	**88.28**	**72.44**
Stddev	.14	85.	21.	1.05	1.2	.21	21.	.98	.8	.37	.27
%RSD	.2892	1.244	.3013	1.049	.4092	.2438	.3592	1.023	.6774	.4231	.3720
#1	49.73	6707.	6945.	100.7	290.5	85.26	5864.	96.44	117.0	88.26	72.26
#2	49.99	6820.	6950.	99.63	290.7	85.22	5857.	95.76	116.5	88.66	72.75
#3	49.75	6873.	6984.	98.65	292.6	85.60	5896.	94.51	115.5	87.92	72.32
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10750.**	**12090.**	**2174.**	**2551.**	**412.1**	**632.2**	**94.55**	**129.9**	**128.7**	**185.2**	**153.5**
Stddev	51.	125.	2.	6.	1.1	1.2	.38	1.0	.8	2.2	1.6
%RSD	.4735	1.031	.0940	.2269	.2731	.1853	.3974	.7920	.6127	1.181	1.056
#1	10760.	11960.	2176.	2545.	410.8	632.1	94.78	130.8	128.3	187.4	155.0
#2	10800.	12110.	2173.	2554.	412.7	631.0	94.77	130.1	129.6	185.2	153.7
#3	10700.	12200.	2173.	2555.	412.8	633.3	94.12	128.8	128.3	183.0	151.8
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**100.7**	**262.6**	**70.70**	**155.4**	**120.3**	**2519.**	**2537.**	**95.54**	**126.3**
Stddev	.4	1.9	.42	.6	1.2	6.	10.	.40	.8
%RSD	.3611	.7140	.5952	.3772	.9961	.2351	.3779	.4193	.6399
#1	100.4	264.3	70.83	155.6	121.6	2514.	2540.	95.58	126.9
#2	101.1	262.9	71.04	155.9	120.2	2526.	2526.	95.92	126.8
#3	100.7	260.6	70.23	154.8	119.2	2518.	2544.	95.12	125.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25789.**	**41358.**	**26000.**
Stddev	96.	224.	154.
%RSD	.37294	.54083	.59163
#1	25758.	41612.	26171.
#2	25712.	41192.	25873.
#3	25896.	41269.	25957.

Sample Name: LCSS-4 B19P06 Acquired: 8/8/2011 17:59:07 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 0.089290
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.69**	**6557.**	**6792.**	**97.67**	**284.6**	**84.40**	**6075.**	**96.56**	**117.5**	**87.00**	**72.93**
Stddev	.28	54.	16.	.73	.7	.57	17.	.11	.1	.15	.27
%RSD	.5963	.8183	.2302	.7525	.2529	.6800	.2720	.1119	.0773	.1753	.3704
#1	46.93	6550.	6781.	97.61	284.5	85.06	6062.	96.64	117.5	87.12	73.18
#2	46.39	6506.	6786.	98.44	284.0	84.17	6070.	96.44	117.4	86.83	72.65
#3	46.75	6613.	6810.	96.97	285.4	83.98	6093.	96.60	117.5	87.05	72.96
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10310.**	**11580.**	**2141.**	**2503.**	**406.7**	**612.4**	**96.52**	**129.2**	**135.9**	**180.8**	**149.9**
Stddev	111.	148.	3.	7.	1.6	2.4	.30	.1	.8	.3	.5
%RSD	1.073	1.279	.1553	.2704	.3970	.3977	.3087	.0739	.6246	.1637	.3274
#1	10350.	11420.	2144.	2497.	405.7	614.6	96.35	129.1	136.9	180.5	149.8
#2	10190.	11700.	2138.	2510.	405.8	612.8	96.33	129.3	135.3	180.8	149.5
#3	10400.	11630.	2143.	2502.	408.6	609.8	96.86	129.3	135.6	181.1	150.5
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**99.42**	**262.2**	**73.29**	**159.8**	**119.3**	**2149.**	**2154.**	**96.12**	**116.4**
Stddev	.36	.3	.11	.3	.3	10.	7.	.23	.2
%RSD	.3577	.1145	.1460	.2097	.2881	.4786	.3086	.2398	.2069
#1	99.71	262.3	73.19	160.2	119.5	2160.	2147.	96.37	116.3
#2	99.02	261.9	73.28	159.5	118.9	2139.	2155.	95.91	116.3
#3	99.53	262.4	73.41	159.7	119.4	2149.	2161.	96.10	116.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25718.**	**41899.**	**26781.**
Stddev	56.	232.	104.
%RSD	.21616	.55400	.38763
#1	25780.	41907.	26881.
#2	25701.	42127.	26790.
#3	25672.	41663.	26674.

Sample Name: AN03428 Acquired: 8/8/2011 18:03:49 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.846**	**32170.**	**32540.**	**401.7**	**2911.**	**1.822**	**34780.**	**23.64**	**167.2**
Stddev	.607	189.	213.	3.1	19.	.155	262.	.49	.4
%RSD	21.34	.5867	.6529	.7827	.6583	8.526	.7542	2.063	.2511
#1	-2.736	31980.	32740.	401.5	2930.	1.921	34970.	23.93	167.6
#2	-3.501	32350.	32320.	404.9	2892.	1.902	34480.	23.08	167.3
#3	-2.301	32170.	32580.	398.6	2911.	1.643	34890.	23.91	166.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**380.0**	**23230.**	^ *****	F **1446000.**	**2928.**	**10160.**	**4794.**	**7569.**	**535.4**
Stddev	.7	191.	-----	12610.	32.	30.	70.	40.	.4
%RSD	.1727	.8211	-----	.8718	1.094	.2924	1.467	.5278	.0705
#1	380.7	23010.	^ -----	1446000.	2940.	10190.	4837.	7611.	535.8
#2	379.7	23310.	^ -----	1459000.	2892.	10170.	4832.	7564.	535.3
#3	379.5	23370.	^ -----	1434000.	2953.	10130.	4713.	7531.	535.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				450000.					
Low Limit				-500.0					

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**38710.**	**253.3**	**-8.029**	**-.2708**	**422.8**	**11420.**	**23.76**	**2034.**	**84.30**
Stddev	134.	.1	5.917	2.707	1.2	47.	.82	3.	1.34
%RSD	.3460	.0430	73.69	999.7	.2878	.4086	3.468	.1329	1.592
#1	38850.	253.4	-7.352	-3.183	424.0	11470.	24.63	2035.	85.62
#2	38690.	253.4	-2.479	2.169	421.6	11410.	23.00	2036.	84.33
#3	38580.	253.2	-14.25	.2014	422.9	11370.	23.66	2031.	82.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**14030.**	**14410.**	**391.6**	**2317.**
Stddev	37.	116.	.2	7.
%RSD	.2629	.8035	.0627	.3003
#1	14050.	14450.	391.7	2324.
#2	13990.	14280.	391.3	2317.
#3	14050.	14500.	391.8	2310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24037.**	**38562.**	**25513.**
Stddev	42.	146.	104.
%RSD	.17501	.37749	.40584
#1	23990.	38581.	25475.
#2	24070.	38407.	25631.
#3	24052.	38696.	25435.

Sample Name: AN03428 MS Acquired: 8/8/2011 18:08:41 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**159.8**	**46100.**	**48300.**	**594.8**	**4166.**	**163.0**	**41610.**	**181.8**	**333.7**
Stddev	1.3	333.	330.	9.4	29.	1.0	187.	1.3	1.3
%RSD	.8270	.7216	.6831	1.575	.6902	.6283	.4485	.7279	.3831
#1	160.9	46200.	48640.	594.7	4198.	164.0	41810.	183.3	335.1
#2	158.4	45730.	48270.	604.3	4157.	163.0	41560.	181.1	333.4
#3	160.2	46370.	47980.	585.5	4142.	161.9	41450.	180.9	332.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**702.7**	**28410.**	^ *****	F **1592000.**	**8010.**	**16810.**	**5668.**	**13250.**	**753.8**
Stddev	5.5	307.	----	17770.	37.	91.	84.	70.	2.8
%RSD	.7787	1.080	----	1.116	.4571	.5434	1.479	.5249	.3663
#1	707.7	28640.	^ ----	1583000.	8050.	16790.	5762.	13300.	753.3
#2	696.8	28530.	^ ----	1612000.	7978.	16910.	5642.	13270.	756.8
#3	703.6	28060.	^ ----	1580000.	8003.	16730.	5600.	13170.	751.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				450000.					
Low Limit				-500.0					

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43050.**	**547.0**	**138.0**	**116.1**	**663.7**	**13960.**	**175.9**	**2663.**	**241.8**
Stddev	235.	5.3	4.2	3.9	7.4	62.	.7	16.	2.5
%RSD	.5457	.9750	3.059	3.329	1.114	.4440	.3955	.6133	1.030
#1	43300.	547.6	141.4	112.7	671.6	14020.	175.2	2680.	244.4
#2	43000.	541.3	139.2	120.3	657.0	13950.	175.9	2648.	239.5
#3	42840.	551.9	133.3	115.3	662.6	13900.	176.6	2661.	241.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**21010.**	**21950.**	**495.5**	**2966.**
Stddev	166.	82.	4.2	11.
%RSD	.7900	.3717	.8404	.3807
#1	21200.	22020.	500.2	2967.
#2	20880.	21960.	492.4	2978.
#3	20960.	21860.	493.7	2955.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24000.**	**39342.**	**25507.**
Stddev	77.	281.	347.
%RSD	.32091	.71482	1.3587
#1	23931.	39102.	25381.
#2	23984.	39652.	25241.
#3	24083.	39273.	25899.

Sample Name: AN03428 SDL Acquired: 8/8/2011 18:13:31 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 5.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**153.2**	**47080.**	**47800.**	**609.4**	**4086.**	**163.1**	**42950.**	**178.6**	**352.1**
Stddev	1.8	482.	299.	6.1	20.	1.3	89.	3.0	2.7
%RSD	1.204	1.023	.6250	.9937	.4937	.7869	.2065	1.680	.7753
#1	153.6	47320.	47830.	615.0	4094.	164.6	43000.	178.9	353.0
#2	151.2	46520.	47490.	602.9	4063.	162.5	42850.	181.5	354.3
#3	154.9	47390.	48080.	610.2	4102.	162.2	43010.	175.5	349.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**710.2**	**28270.**	^ *****	F **1960000.**	**7781.**	**18050.**	**5975.**	**12850.**	**768.9**
Stddev	8.8	138.	-----	13850.	29.	147.	53.	75.	4.0
%RSD	1.244	.4878	-----	.7066	.3775	.8119	.8810	.5800	.5186
#1	717.6	28350.	^ -----	1976000.	7771.	18190.	6022.	12910.	772.9
#2	700.4	28110.	^ -----	1951000.	7758.	18080.	5918.	12770.	768.9
#3	712.6	28350.	^ -----	1953000.	7814.	17900.	5984.	12870.	765.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				450000.					
Low Limit				-500.0					

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46600.**	**545.9**	**134.8**	**124.8**	**657.5**	**15700.**	**176.9**	**2670.**	**246.0**
Stddev	350.	10.2	27.5	4.2	6.1	96.	.8	16.	4.6
%RSD	.7508	1.870	20.41	3.363	.9241	.6107	.4414	.6049	1.872
#1	46650.	543.7	131.1	119.9	661.0	15710.	176.5	2682.	250.0
#2	46920.	557.1	164.0	127.6	650.5	15790.	177.8	2652.	240.9
#3	46230.	537.1	109.4	126.7	661.0	15600.	176.3	2676.	247.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**21700.**	**22250.**	**512.8**	**3201.**
Stddev	139.	84.	5.6	24.
%RSD	.6421	.3781	1.085	.7392
#1	21750.	22240.	518.1	3222.
#2	21540.	22170.	507.0	3207.
#3	21810.	22340.	513.3	3175.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25395.**	**41221.**	**25382.**
Stddev	148.	497.	168.
%RSD	.58303	1.2067	.66239
#1	25563.	40813.	25249.
#2	25283.	41775.	25327.
#3	25338.	41075.	25571.

Sample Name: AN03429 Acquired: 8/8/2011 18:18:01 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3258**	F **72980.**	**79940.**	**67.79**	**866.8**	**2.833**	**625800.**	**3.009**	**67.71**	**314.6**
Stddev	.3583	388.	738.	3.48	7.4	.050	9488.	.215	.52	.8
%RSD	110.0	.5321	.9234	5.142	.8556	1.775	1.516	7.160	.7734	.2467
#1	-.0413	73420.	80460.	66.42	870.9	2.884	629600.	3.052	68.27	314.7
#2	-.7282	72720.	80270.	71.75	871.4	2.833	632800.	3.200	67.24	315.4
#3	-.2080	72790.	79090.	65.20	858.3	2.783	615000.	2.775	67.61	313.8
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**847.1**	F **184100.**	**227500.**	**20090.**	**102100.**	**2827.**	**13530.**	**290.4**	**13650.**	**18.60**
Stddev	1.1	361.	5216.	41.	460.	17.	92.	.7	64.	2.77
%RSD	.1315	.1963	2.293	.2021	.4506	.6068	.6787	.2313	.4659	14.89
#1	846.7	184500.	232600.	20110.	102600.	2831.	13620.	290.8	13720.	16.16
#2	848.4	183700.	227900.	20120.	102000.	2809.	13520.	289.6	13640.	18.04
#3	846.3	184000.	222200.	20040.	101700.	2842.	13440.	290.8	13600.	21.61
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.705**	**-.4154**	**238.4**	**1714.**	**21.50**	**5567.**	**132.4**	**47160.**	**47960.**	**2146.**
Stddev	2.291	2.134	.7	4.	.22	42.	2.6	688.	346.	5.
%RSD	84.68	513.9	.3083	.2334	1.009	.7606	1.981	1.459	.7208	.2256
#1	-3.722	1.721	237.7	1718.	21.33	5615.	129.4	46390.	48180.	2147.
#2	-.0819	-.4190	239.2	1713.	21.74	5551.	134.1	47710.	48150.	2151.
#3	-4.311	-2.548	238.2	1710.	21.42	5535.	133.7	47390.	47570.	2141.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**168.3**
Stddev	.9
%RSD	.5642
#1	169.0
#2	167.2
#3	168.6
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24549.**	**39340.**	**24991.**
Stddev	86.	52.	318.
%RSD	.35042	.13171	1.2730
#1	24563.	39358.	24664.
#2	24457.	39381.	25011.
#3	24627.	39282.	25299.

Sample Name: AN03430 Acquired: 8/8/2011 18:23:12 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.790**	F **94990.**	**100900.**	**199.7**	**2297.**	**5.150**	**318400.**	**17.37**	**100.5**	**1224.**
Stddev	.314	1408.	639.	5.1	14.	.024	7150.	.54	.2	6.
%RSD	17.55	1.483	.6331	2.530	.6026	.4609	2.246	3.127	.1994	.5169
#1	1.541	95690.	101500.	194.0	2311.	5.145	325400.	16.75	100.6	1228.
#2	2.143	95910.	101000.	203.7	2297.	5.129	318600.	17.59	100.3	1227.
#3	1.686	93370.	100200.	201.2	2284.	5.176	311100.	17.78	100.6	1217.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17460.**	^ *****	F **486400.**	**13750.**	**120600.**	**3761.**	**11320.**	**835.7**	**47800.**	**213.3**
Stddev	395.	-----	2629.	52.	507.	98.	64.	2.3	146.	1.3
%RSD	2.262	-----	.5405	.3802	.4205	2.593	.5689	.2715	.3055	.6312
#1	17870.	^ -----	489000.	13800.	121200.	3796.	11370.	838.3	47640.	214.6
#2	17420.	^ -----	486600.	13700.	120400.	3835.	11340.	834.2	47900.	211.9
#3	17080.	^ -----	483800.	13740.	120300.	3650.	11250.	834.5	47870.	213.4
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			450000.							
Low Limit			-500.0							

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.260**	**-1.054**	**284.3**	**6245.**	**41.17**	**4895.**	**297.4**	**44960.**	**45340.**	**1107.**
Stddev	3.734	1.093	1.1	4.	.37	73.	.3	143.	328.	7.
%RSD	114.5	103.7	.3977	.0614	.8922	1.489	.0993	.3171	.7226	.5998
#1	7.416	-1.551	284.8	6247.	41.57	4954.	297.1	44970.	45700.	1114.
#2	2.178	.1987	285.1	6241.	40.85	4919.	297.5	45090.	45280.	1105.
#3	.1865	-1.810	283.0	6248.	41.09	4814.	297.7	44810.	45050.	1101.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**2251.**
Stddev	9.
%RSD	.3783
#1	2261.
#2	2248.
#3	2245.
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24761.**	**39950.**	**25713.**
Stddev	96.	421.	248.
%RSD	.38732	1.0547	.96312
#1	24787.	39683.	25762.
#2	24841.	39731.	25444.
#3	24655.	40436.	25932.

Sample Name: AN03431 Acquired: 8/8/2011 18:28:22 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**13.30**	**40510.**	**42220.**	**170.3**	**1074.**	**.6757**	**82710.**	**73.84**	**185.6**
Stddev	.06	376.	208.	5.5	6.	.1290	439.	2.15	1.3
%RSD	.4597	.9291	.4926	3.232	.6028	19.10	.5305	2.912	.6736
#1	13.37	40530.	42410.	168.4	1080.	.8125	83180.	71.45	184.9
#2	13.28	40130.	42260.	176.4	1074.	.5562	82620.	75.63	184.8
#3	13.25	40880.	42000.	165.9	1067.	.6584	82320.	74.42	187.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**411.8**	F **74060.**	^ *****	F **1136000.**	**4082.**	**25810.**	**8881.**	**5785.**	**739.5**
Stddev	1.7	1203.	-----	24370.	34.	129.	63.	17.	2.2
%RSD	.4225	1.624	-----	2.146	.8365	.5014	.7124	.3003	.2914
#1	412.4	74480.	^ -----	1160000.	4093.	25950.	8842.	5782.	741.3
#2	409.8	72700.	^ -----	1112000.	4109.	25690.	8848.	5803.	737.1
#3	413.1	74990.	^ -----	1135000.	4043.	25780.	8954.	5769.	740.1
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		45000.		450000.					
Low Limit		-100.0		-500.0					

Elem	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25100.**	**168.9**	**-12.65**	**-5.150**	**298.9**	**52780.**	**20.04**	**2656.**	**49.51**
Stddev	137.	4.2	6.06	1.028	1.6	342.	.37	8.	1.92
%RSD	.5456	2.474	47.92	19.96	.5296	.6478	1.847	.3155	3.881
#1	24960.	170.1	-17.93	-4.199	300.3	53090.	20.22	2661.	47.40
#2	25230.	164.3	-6.032	-5.011	297.2	52850.	19.61	2646.	49.95
#3	25120.	172.4	-14.00	-6.240	299.3	52410.	20.28	2661.	51.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb
Avg	**15070.**	**15740.**	**420.7**	**4262.**
Stddev	68.	14.	2.3	14.
%RSD	.4490	.0892	.5429	.3258
#1	15110.	15750.	422.8	4259.
#2	14990.	15730.	418.3	4251.
#3	15110.	15730.	420.9	4278.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24527.**	**39963.**	**25061.**
Stddev	106.	337.	35.
%RSD	.43185	.84323	.13939
#1	24557.	39879.	25096.
#2	24410.	40334.	25026.
#3	24615.	39676.	25062.

Sample Name: AN03432 Acquired: 8/8/2011 18:33:22 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0956	F 73080.	78850.	63.71	1087.	.5827	396300.	2.948	89.20	351.4	5047.
Stddev	.1567	1471.	614.	6.05	9.	.3135	2034.	.031	.63	5.2	71.
%RSD	163.8	2.013	.7781	9.490	.8643	53.80	.5132	1.057	.7107	1.468	1.405
#1	-.0742	74770.	78800.	69.59	1086.	.7760	398600.	2.982	88.86	356.5	5102.
#2	.2345	72110.	79490.	64.04	1097.	.7511	394600.	2.941	89.93	346.2	4967.
#3	.1266	72360.	78270.	57.51	1079.	.2210	395900.	2.921	88.81	351.5	5072.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.									
Low Limit		-50.00									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	315400.	39430.	177600.	3294.	6320.	324.9	3266.	26.79	.9504	.2847
Stddev	-----	3499.	175.	787.	46.	17.	.9	12.	1.74	1.190	.3945
%RSD	-----	1.109	.4434	.4431	1.398	.2767	.2655	.3563	6.504	125.2	138.6
#1	^ -----	316400.	39430.	177600.	3313.	6326.	325.6	3269.	25.18	.0656	.1888
#2	^ -----	318300.	39610.	178400.	3242.	6333.	325.1	3276.	28.64	.4830	-.0531
#3	^ -----	311500.	39260.	176800.	3328.	6300.	323.9	3253.	26.55	2.303	.7182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	312.2	4075.	36.51	8494.	54.80	16290.	16900.	440.9	295.7
Stddev	4.4	16.	.34	241.	.33	196.	161.	7.6	2.2
%RSD	1.414	.3881	.9271	2.831	.6027	1.204	.9549	1.725	.7469
#1	316.1	4088.	36.80	8715.	55.10	16470.	16830.	448.3	296.8
#2	307.4	4081.	36.60	8238.	54.84	16080.	17090.	433.1	293.1
#3	313.0	4058.	36.14	8529.	54.45	16340.	16790.	441.3	297.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24621.	40179.	24866.
Stddev	96.	581.	190.
%RSD	.39145	1.4459	.76419
#1	24611.	39643.	24790.
#2	24529.	40797.	24726.
#3	24721.	40096.	25082.

Sample Name: AN03433 Acquired: 8/8/2011 18:38:25 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2701	40470.	42270.	143.9	2382.	2.057	101200.	20.16	52.97	135.1	5305.
Stddev	.2807	248.	351.	1.4	19.	.128	734.	.12	.29	.9	16.
%RSD	103.9	.6137	.8307	1.005	.7827	6.237	.7251	.6186	.5482	.6457	.2949
#1	.0536	40200.	42580.	142.5	2395.	2.157	102000.	20.12	53.29	134.1	5292.
#2	-.4171	40680.	42350.	145.4	2391.	1.912	101000.	20.31	52.90	135.8	5301.
#3	-.4468	40530.	41890.	143.7	2361.	2.102	100600.	20.07	52.73	135.5	5323.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	284600.	6952.	36000.	1820.	5339.	182.7	11060.	70.22	28.32	1.181
Stddev	-----	5209.	32.	137.	6.	27.	1.4	24.	.79	2.17	3.074
%RSD	-----	1.830	.4602	.3794	.3345	.5017	.7658	.2177	1.125	7.679	260.4
#1	^ -----	290400.	6967.	36160.	1813.	5355.	184.1	11080.	70.69	28.03	-2.352
#2	^ -----	280200.	6974.	35900.	1823.	5354.	181.4	11050.	70.65	30.63	2.652
#3	^ -----	283300.	6916.	35960.	1823.	5308.	182.5	11040.	69.30	26.31	3.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	200.6	5220.	22.33	2202.	73.82	12200.	12460.	708.8	416.0
Stddev	1.7	12.	.12	5.	1.67	77.	114.	.6	1.8
%RSD	.8462	.2363	.5180	.2373	2.262	.6289	.9118	.0915	.4397
#1	198.8	5234.	22.45	2196.	74.91	12120.	12570.	708.8	417.0
#2	200.9	5215.	22.22	2202.	71.90	12200.	12470.	709.5	417.2
#3	202.2	5210.	22.31	2207.	74.66	12270.	12340.	708.2	413.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25695.	41814.	25391.
Stddev	107.	94.	334.
%RSD	.41751	.22557	1.3155
#1	25586.	41847.	25060.
#2	25698.	41707.	25728.
#3	25801.	41887.	25385.

Sample Name: CCV Acquired: 8/8/2011 18:43:11 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**196.2**	**4831.**	**4892.**	**196.5**	**193.5**	**194.1**	**5151.**	**203.5**	**193.3**	**211.4**	**201.1**
Stddev	2.5	42.	9.	6.5	.6	.5	17.	.6	.7	1.8	1.5
%RSD	1.280	.8648	.1919	3.291	.2936	.2620	.3262	.3119	.3751	.8301	.7703
#1	193.4	4782.	4881.	189.9	193.4	194.4	5146.	203.7	193.1	209.5	200.0
#2	198.2	4857.	4899.	196.8	193.0	193.5	5136.	204.0	194.1	211.5	202.8
#3	197.0	4853.	4895.	202.9	194.1	194.4	5169.	202.8	192.6	213.1	200.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5336.**	**5247.**	**5070.**	**5264.**	**211.5**	**5072.**	**197.7**	**205.0**	**194.0**	**196.7**	**197.8**
Stddev	10.	33.	45.	11.	.9	5.	1.9	1.2	2.1	.8	2.7
%RSD	.1805	.6201	.8845	.2070	.4239	.0981	.9470	.5979	1.089	.4117	1.376
#1	5335.	5283.	5028.	5252.	210.6	5076.	197.2	204.4	191.6	196.5	195.2
#2	5347.	5236.	5117.	5269.	211.6	5067.	199.7	206.4	195.5	195.9	197.5
#3	5328.	5220.	5065.	5272.	212.4	5074.	196.0	204.3	195.0	197.5	200.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.1**	**206.4**	**194.6**	**197.0**	**190.5**	**5018.**	**5040.**	**208.8**	**205.3**
Stddev	1.5	.7	.9	.9	.6	49.	24.	.9	.9
%RSD	.7392	.3516	.4828	.4614	.3246	.9669	.4805	.4233	.4571
#1	196.6	206.8	193.7	196.1	189.9	4962.	5013.	208.3	204.8
#2	199.5	206.9	195.6	197.9	191.2	5051.	5048.	208.3	206.4
#3	198.2	205.6	194.6	197.0	190.5	5040.	5059.	209.8	204.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25748.**	**40374.**	**23979.**
Stddev	157.	544.	231.
%RSD	.61088	1.3485	.96288
#1	25681.	40826.	24199.
#2	25635.	40528.	24000.
#3	25928.	39770.	23739.

Sample Name: CCB Acquired: 8/8/2011 18:47:23 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0054**	**-2.523**	**4.061**	**2.912**	**.4936**	**-.1764**	**4.484**	**-.1896**	**-.0048**	**-.3339**	**.4437**
Stddev	.1785	1.757	15.40	4.334	.1164	.1857	3.316	.1851	.1649	.4182	.5053
%RSD	3331.	69.63	379.2	148.8	23.58	105.3	73.94	97.63	3445.	125.2	113.9
#1	-.1560	-2.132	-11.86	7.896	.6153	-.3513	5.097	-.3933	.0702	-.5708	1.015
#2	.1918	-.9951	5.171	.0319	.3833	.0185	7.450	-.1439	-.1939	-.5798	.2597
#3	-.0519	-4.443	18.88	.8073	.4822	-.1963	.9044	-.0316	.1093	.1490	.0563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.660**	**8.470**	**-79.64**	**-6.727**	**-.0722**	**-61.13**	**-.1120**	**2.575**	**-2.673**	**-.2499**	**-2.152**
Stddev	2.066	1.667	41.90	11.40	.0560	15.71	.2783	1.432	1.807	3.735	.408
%RSD	23.85	19.68	52.61	169.5	77.57	25.70	248.4	55.63	67.60	1495.	18.98
#1	10.49	10.34	-106.4	-1.837	-.0137	-43.66	-.3303	3.676	-.6884	3.567	-1.866
#2	9.071	7.919	-31.35	-19.76	-.0775	-74.09	.2014	3.093	-4.223	-3.896	-1.969
#3	6.420	7.148	-101.2	1.412	-.1254	-65.63	-.2072	.9556	-3.107	-.4212	-2.619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5083**	**.8476**	**.0835**	**-.3153**	**-1.776**	**-3.003**	**6.313**	**.3644**	**.2307**
Stddev	.4064	.1939	.2644	.1822	.794	2.926	8.066	.2723	.9836
%RSD	79.96	22.88	316.8	57.78	44.71	97.46	127.8	74.72	426.4
#1	-.0401	.7732	-.0831	-.4699	-.9417	-2.608	11.43	.0573	.9335
#2	-.7696	.7018	-.0548	-.1144	-1.864	-.2939	-2.985	.4597	.6519
#3	-.7152	1.068	.3883	-.3616	-2.522	-6.106	10.50	.5762	-.8934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25538.	42106.	23954.
Stddev	598.	2091.	259.
%RSD	2.3404	4.9669	1.0833
#1	25996.	41193.	24249.
#2	25756.	40626.	23850.
#3	24862.	44498.	23763.

Sample Name: AN03434 Acquired: 8/8/2011 18:51:49 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White (11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2994	F 72200.	76320.	75.28	816.2	4.032	22220.	.7357	299.9	559.2	465.0
Stddev	.2212	299.	169.	1.97	1.6	.046	15.	.0677	.6	.9	2.8
%RSD	73.89	.4135	.2209	2.615	.1921	1.131	.0663	9.202	.2159	.1684	.6045
#1	.3244	72130.	76450.	74.85	816.6	4.081	22220.	.6605	299.4	560.0	468.0
#2	.0668	72530.	76130.	77.43	814.4	3.990	22200.	.7547	300.7	559.5	464.4
#3	.5071	71940.	76390.	73.57	817.4	4.026	22230.	.7918	299.7	558.2	462.5
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.									
Low Limit		-50.00									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	265000.	10190.	209000.	4751.	5491.	4154.	1666.	9.877	1.048	-1.327
Stddev	-----	1409.	10.	444.	46.	6.	5.	4.	2.085	2.720	.987
%RSD	-----	.5319	.1024	.2124	.9678	.1015	.1310	.2105	21.11	259.5	74.38
#1	^ -----	264600.	10200.	209500.	4763.	5489.	4156.	1664.	9.426	-.0933	-.7695
#2	^ -----	263700.	10190.	208600.	4790.	5486.	4148.	1670.	8.054	-.9151	-2.467
#3	^ -----	266500.	10180.	209000.	4700.	5497.	4158.	1665.	12.15	4.153	-.7449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	291.4	1411.	4.238	3325.	55.17	20520.	21050.	147.5	160.3
Stddev	1.6	1.	.154	20.	.17	109.	40.	.5	1.1
%RSD	.5507	.0852	3.641	.6081	.3085	.5312	.1884	.3277	.6983
#1	292.7	1411.	4.112	3334.	55.20	20620.	21090.	147.9	161.4
#2	291.9	1412.	4.410	3338.	55.33	20520.	21010.	147.0	160.4
#3	289.6	1410.	4.191	3301.	54.99	20410.	21040.	147.7	159.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	26062.	41756.	25839.
Stddev	28.	208.	473.
%RSD	.10783	.49902	1.8305
#1	26046.	41677.	25425.
#2	26094.	41599.	26354.
#3	26045.	41992.	25737.

Sample Name: AN03419 X10 Acquired: 8/8/2011 18:56:42 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5609	5286.	5343.	61.83	265.1	.0443	15430.	1.330	58.84	35.84	3199.
Stddev	.1423	27.	28.	4.18	1.4	.5187	86.	.105	.43	.30	12.
%RSD	25.37	.5027	.5290	6.754	.5095	1170.	.5583	7.927	.7375	.8395	.3601
#1	.4849	5316.	5327.	58.37	265.3	.3146	15470.	1.341	59.23	36.04	3210.
#2	.4727	5278.	5376.	60.64	266.4	-.5537	15480.	1.220	58.37	35.98	3198.
#3	.7251	5265.	5327.	66.47	263.7	.3721	15330.	1.430	58.92	35.50	3187.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 95020.	104600.	970.1	4298.	970.0	3912.	84.08	5602.	18.93	2.973	-1.131
Stddev	1116.	385.	16.6	31.	2.1	21.	.32	30.	1.52	2.344	2.101
%RSD	1.175	.3677	1.708	.7240	.2195	.5255	.3849	.5421	8.057	78.84	185.8
#1	95230.	104900.	988.8	4326.	971.0	3905.	84.32	5630.	17.25	5.656	1.295
#2	96010.	104700.	957.1	4264.	971.4	3935.	84.21	5606.	19.33	1.317	-2.324
#3	93810.	104100.	964.5	4304.	967.5	3896.	83.71	5569.	20.22	1.948	-2.363
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	76500.										
Low Limit	-500.0										

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30.03	1041.	3.732	204.4	19.68	1668.	1691.	151.8	104.5
Stddev	.09	4.	.218	.9	.51	6.	20.	.8	.5
%RSD	.3055	.3761	5.830	.4269	2.613	.3477	1.208	.4953	.4748
#1	30.09	1044.	3.818	205.1	19.85	1674.	1714.	152.6	105.0
#2	30.08	1041.	3.894	204.6	19.10	1668.	1683.	151.7	104.0
#3	29.92	1037.	3.485	203.4	20.08	1662.	1675.	151.1	104.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25534.	40570.	24584.
Stddev	183.	327.	368.
%RSD	.71651	.80584	1.4956
#1	25330.	40498.	25003.
#2	25586.	40284.	24318.
#3	25684.	40926.	24430.

Sample Name: AN03422 X10 Acquired: 8/8/2011 19:01:11 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5734**	**1798.**	**1816.**	**7.114**	**159.8**	**.0022**	**17720.**	**1.244**	**10.05**	**9.692**	**252.1**
Stddev	.1292	13.	19.	3.425	.3	.2063	74.	.071	.11	.401	.3
%RSD	22.52	.7384	1.024	48.14	.1859	9578.	.4180	5.726	1.121	4.138	.1190
#1	.7226	1806.	1826.	6.331	159.8	-.0983	17800.	1.162	10.18	9.691	252.4
#2	.4999	1804.	1795.	4.149	160.2	.2394	17670.	1.293	9.959	9.292	251.8
#3	.4978	1782.	1829.	10.86	159.6	-.1347	17680.	1.277	10.02	10.09	252.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28680.**	**29120.**	**186.8**	**2094.**	**877.6**	**1228.**	**14.41**	**31180.**	**-.7929**	**2.605**	**-2.351**
Stddev	287.	136.	1.8	13.	4.8	16.	.47	232.	1.717	3.917	1.716
%RSD	1.001	.4668	.9502	.6359	.5517	1.300	3.235	.7428	216.5	150.4	72.97
#1	28990.	29280.	184.8	2109.	882.5	1235.	13.90	31310.	-.7138	7.126	-.4120
#2	28420.	29060.	188.1	2085.	877.5	1239.	14.52	31310.	.8832	.2351	-3.672
#3	28630.	29020.	187.6	2088.	872.8	1210.	14.82	30910.	-2.548	.4538	-2.970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.87**	**322.9**	**1.275**	**111.2**	**28.69**	**752.6**	**759.2**	**138.8**	**23.01**
Stddev	.27	2.3	.253	.7	.47	7.3	15.6	.5	1.33
%RSD	2.491	.7212	19.83	.6078	1.652	.9667	2.058	.3502	5.762
#1	11.04	324.5	1.536	112.0	28.31	757.8	741.2	139.3	24.54
#2	11.01	323.9	1.032	110.8	29.22	755.8	769.9	138.7	22.31
#3	10.56	320.2	1.255	110.9	28.53	744.3	766.3	138.4	22.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25403.**	**41130.**	**24801.**
Stddev	64.	117.	91.
%RSD	.25088	.28488	.36884
#1	25460.	41038.	24906.
#2	25334.	41090.	24739.
#3	25414.	41262.	24757.

Sample Name: AN03424 X10 Acquired: 8/8/2011 19:05:40 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4734**	**1090.**	**1098.**	**2.050**	**199.8**	**-.1270**	**27200.**	**1.931**	**1.506**	**2.680**	**76.20**
Stddev	.5089	5.	31.	2.360	.3	.1128	63.	.084	.073	.171	.58
%RSD	107.5	.4679	2.795	115.1	.1470	88.80	.2330	4.362	4.828	6.374	.7549
#1	.0020	1086.	1121.	-.6525	199.7	.0032	27120.	2.025	1.436	2.569	75.60
#2	-.4120	1087.	1110.	3.098	199.5	-.1935	27220.	1.903	1.581	2.594	76.26
#3	-1.010	1096.	1063.	3.705	200.1	-.1909	27250.	1.864	1.501	2.877	76.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41120.**	**42070.**	**176.0**	**741.2**	**597.5**	**6431.**	**3.856**	**39820.**	**.9979**	**-1.478**	**-1.277**
Stddev	227.	147.	34.5	7.6	.7	20.	.351	155.	.7046	2.076	1.549
%RSD	.5516	.3504	19.60	1.030	.1162	.3123	9.093	.3900	70.61	140.5	121.3
#1	41360.	41920.	209.3	747.1	597.3	6454.	4.218	39900.	.1936	-2.980	.4290
#2	41100.	42220.	178.3	744.0	596.9	6419.	3.518	39920.	1.506	.8914	-2.595
#3	40900.	42070.	140.4	732.6	598.3	6419.	3.831	39640.	1.294	-2.345	-1.665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.143**	**245.9**	**.2571**	**54.92**	**26.99**	**346.8**	**341.6**	**194.8**	**4.673**
Stddev	.192	.6	.2818	.15	.36	.8	5.3	1.8	1.141
%RSD	3.740	.2511	109.6	.2800	1.324	.2426	1.549	.9475	24.42
#1	4.950	246.4	.3776	54.80	27.23	347.0	345.9	193.0	5.284
#2	5.145	246.2	.4586	54.88	27.17	347.5	335.7	194.6	5.378
#3	5.334	245.2	-.0649	55.09	26.58	345.8	343.1	196.7	3.356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25419.**	**40629.**	**24416.**
Stddev	58.	256.	160.
%RSD	.22654	.63014	.65728
#1	25388.	40548.	24313.
#2	25485.	40916.	24601.
#3	25383.	40424.	24334.

Sample Name: CCV Acquired: 8/8/2011 19:10:09 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**197.8**	**4855.**	**4938.**	**199.0**	**194.7**	**195.5**	**5164.**	**204.3**	**193.8**	**212.5**	**200.6**
Stddev	1.2	27.	33.	3.4	1.7	1.4	46.	.1	.9	.5	1.2
%RSD	.5821	.5494	.6735	1.724	.8533	.6937	.8851	.0701	.4857	.2562	.5819
#1	198.9	4880.	4961.	198.2	195.9	197.0	5181.	204.1	194.8	212.9	201.6
#2	196.6	4827.	4953.	196.0	195.5	194.4	5199.	204.3	193.9	211.8	199.3
#3	197.8	4859.	4900.	202.7	192.8	195.0	5112.	204.4	192.9	212.6	200.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5303.**	**5217.**	**5055.**	**5277.**	**212.0**	**5086.**	**198.8**	**207.8**	**193.5**	**196.4**	**197.9**
Stddev	8.	27.	38.	15.	.6	32.	.4	1.4	1.3	2.4	2.2
%RSD	.1538	.5222	.7423	.2907	.2787	.6204	.1849	.6882	.6947	1.202	1.089
#1	5312.	5193.	5049.	5264.	211.3	5110.	198.7	207.1	194.4	197.0	199.2
#2	5297.	5247.	5096.	5294.	212.4	5098.	199.2	209.5	191.9	198.4	199.1
#3	5300.	5213.	5022.	5273.	212.2	5050.	198.6	206.9	194.0	193.8	195.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.5**	**205.8**	**194.1**	**197.4**	**190.7**	**5034.**	**5048.**	**209.5**	**205.2**
Stddev	.4	.4	.2	.5	.9	37.	39.	.7	1.4
%RSD	.2021	.1744	.0784	.2346	.4524	.7260	.7673	.3259	.6695
#1	199.9	205.8	194.3	197.7	190.2	5072.	5076.	209.7	206.7
#2	199.2	206.1	194.0	196.9	190.2	4999.	5065.	208.7	204.4
#3	199.3	205.4	194.1	197.7	191.7	5030.	5004.	210.1	204.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25491.**	**40199.**	**23583.**
Stddev	149.	145.	332.
%RSD	.58385	.35953	1.4079
#1	25335.	40328.	23866.
#2	25509.	40043.	23218.
#3	25631.	40227.	23666.

Sample Name: CCB Acquired: 8/8/2011 19:14:22 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2869	-2.229	3.026	-.6245	.4981	-.0984	2.321	-.2115	-.1985	-.3498	.0491
Stddev	.5968	2.185	14.35	2.379	.2892	.1623	.798	.0106	.2388	.1291	.0488
%RSD	208.0	98.02	474.3	381.0	58.05	164.9	34.38	4.993	120.3	36.90	99.32
#1	.2494	-.5012	19.56	-.6152	.3832	-.1329	1.499	-.2058	-.4705	-.2065	.0124
#2	-.1803	-4.685	-4.240	1.750	.8271	-.2407	2.372	-.2237	-.1020	-.3860	.1044
#3	-.9298	-1.501	-6.241	-3.009	.2840	.0784	3.093	-.2051	-.0232	-.4570	.0304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.252	5.732	-117.3	11.41	-.0913	-91.45	-.1689	3.928	.8130	-3.320	-1.491
Stddev	1.465	1.525	69.6	8.40	.0259	16.81	.1729	3.126	4.948	1.260	.567
%RSD	27.89	26.60	59.29	73.61	28.41	18.38	102.4	79.58	608.6	37.95	38.00
#1	6.917	7.483	-44.74	16.06	-.0619	-101.5	-.3223	5.927	-2.218	-4.322	-1.120
#2	4.678	4.698	-183.4	16.45	-.1110	-72.04	-.2029	5.531	-1.865	-1.906	-1.211
#3	4.161	5.015	-123.8	1.714	-.1009	-100.8	.0185	.3258	6.522	-3.731	-2.143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3212	.3030	.0900	-.3539	-3.768	-4.012	.4392	.6086	.0350
Stddev	.3048	.0245	.2160	.0949	1.166	2.389	8.683	.0678	.5934
%RSD	94.87	8.077	240.0	26.80	30.93	59.54	1977.	11.15	1696.
#1	.0307	.2864	.0099	-.3840	-3.184	-3.230	2.443	.6779	-.2992
#2	-.4989	.2915	-.0745	-.2477	-5.110	-6.694	-9.071	.5424	.7201
#3	-.4955	.3311	.3347	-.4302	-3.010	-2.113	7.945	.6054	-.3159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25127.	40111.	23269.
Stddev	205.	704.	237.
%RSD	.81728	1.7555	1.0174
#1	24892.	40647.	23400.
#2	25269.	40373.	23412.
#3	25221.	39314.	22996.

Sample Name: RL Acquired: 8/8/2011 19:18:48 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.711**	**105.8**	**103.9**	F **11.51**	**99.58**	**3.231**	**508.7**	**2.942**	**19.78**	**5.192**	**10.92**
Stddev	.214	.9	7.4	7.11	.37	.195	4.2	.120	.27	.302	.60
%RSD	4.537	.8503	7.094	61.80	.3675	6.033	.8306	4.079	1.374	5.818	5.479
#1	4.465	106.8	110.8	16.64	99.17	3.370	503.8	3.024	20.09	5.145	11.56
#2	4.811	105.4	104.7	3.391	99.88	3.008	511.1	2.804	19.62	5.514	10.84
#3	4.856	105.1	96.13	14.49	99.68	3.315	511.1	2.997	19.63	4.916	10.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				8.000							
Range				30.00%							

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.83**	**49.50**	**429.1**	**520.2**	**5.334**	**953.0**	**19.89**	**9.019**	**19.33**	**18.26**	**20.54**
Stddev	.25	1.72	31.2	19.4	.056	17.8	.27	2.949	1.58	2.08	.93
%RSD	.4962	3.468	7.280	3.734	1.058	1.872	1.342	32.69	8.155	11.40	4.546
#1	50.11	49.99	439.0	529.6	5.382	935.6	19.97	5.615	20.45	17.20	20.69
#2	49.64	47.59	454.1	533.2	5.348	952.2	19.59	10.68	20.01	16.91	21.38
#3	49.74	50.92	394.1	497.9	5.272	971.2	20.10	10.77	17.53	20.65	19.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**20.25**	**23.04**	**9.809**	**10.03**	**7.235**	**519.3**	**519.4**	**10.98**	**11.77**
Stddev	.26	.03	.117	.32	.869	5.6	20.6	.33	.40
%RSD	1.297	.1211	1.190	3.190	12.00	1.072	3.972	2.971	3.411
#1	20.29	23.02	9.681	10.28	6.658	516.8	499.7	11.35	11.37
#2	20.50	23.04	9.836	9.674	6.814	515.3	517.7	10.85	12.17
#3	19.98	23.07	9.909	10.15	8.234	525.6	540.9	10.73	11.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25631.	40317.	24405.
Stddev	107.	322.	591.
%RSD	.41818	.79929	2.4197
#1	25535.	40069.	25047.
#2	25747.	40681.	23885.
#3	25611.	40202.	24283.

Sample Name: 2RL Acquired: 8/8/2011 19:23:17 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.857**	**198.5**	**206.5**	**17.12**	**198.6**	**6.004**	**1029.**	**5.978**	**39.98**	**10.46**	**20.41**
Stddev	1.012	.3	9.6	6.88	1.2	.124	11.	.074	.29	.13	.15
%RSD	10.27	.1311	4.645	40.18	.6138	2.070	1.108	1.238	.7270	1.214	.7303
#1	9.937	198.4	214.8	24.10	200.0	6.104	1042.	6.059	39.70	10.60	20.32
#2	8.807	198.3	208.7	16.92	198.1	6.042	1023.	5.914	39.96	10.35	20.58
#3	10.83	198.8	196.0	10.35	197.7	5.865	1023.	5.962	40.28	10.44	20.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**100.6**	**102.1**	**910.1**	**1041.**	**10.70**	**2003.**	**39.87**	**18.07**	**36.28**	**37.45**	**39.00**
Stddev	.3	3.5	18.0	14.	.09	4.	.08	3.40	4.12	3.49	2.06
%RSD	.2681	3.424	1.978	1.352	.8697	.1764	.2005	18.80	11.34	9.327	5.290
#1	100.5	103.0	916.8	1033.	10.70	1998.	39.91	21.99	41.02	38.17	36.98
#2	100.9	105.0	889.7	1057.	10.60	2005.	39.91	16.00	34.13	33.65	38.92
#3	100.4	98.21	923.8	1032.	10.79	2005.	39.77	16.21	33.68	40.53	41.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39.61**	**45.65**	**19.79**	**19.87**	**17.60**	**1006.**	**1039.**	**20.94**	**21.64**
Stddev	.15	.21	.10	.24	.99	7.	11.	.26	.59
%RSD	.3726	.4584	.5228	1.225	5.627	.6553	1.070	1.262	2.749
#1	39.78	45.41	19.83	20.15	18.45	1013.	1052.	20.64	21.26
#2	39.56	45.77	19.87	19.70	16.51	1001.	1030.	21.07	21.34
#3	39.49	45.78	19.68	19.76	17.83	1003.	1037.	21.12	22.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25410.**	**40657.**	**23540.**
Stddev	41.	71.	199.
%RSD	.15949	.17518	.84391
#1	25396.	40688.	23727.
#2	25456.	40708.	23332.
#3	25379.	40576.	23562.

Sample Name: IOS Acquired: 8/8/2011 19:27:40 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.651**	**251400.**	**298400.**	**2.902**	**.2318**	**-.1374**	**303100.**	**-2.401**	**-.9404**	**-1.691**	**5.563**
Stddev	.165	3285.	1675.	1.157	.2038	.0900	2060.	.203	.4021	.652	.675
%RSD	10.01	1.307	.5614	39.89	87.91	65.52	.6797	8.440	42.75	38.57	12.14
#1	-1.808	253000.	296500.	1.817	.3968	-.0719	303900.	-2.631	-.5383	-1.046	4.785
#2	-1.478	247600.	299400.	2.768	.2945	-.1002	304700.	-2.248	-.9406	-2.351	5.989
#3	-1.668	253600.	299400.	4.120	.0040	-.2400	300800.	-2.324	-1.342	-1.677	5.917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**308400.**	**-44.07**	**309500.**	**.0384**	**305200.**	**2.056**	**6.064**	**7.701**	**4.481**	**.3900**
Stddev	-----	2224.	51.62	656.	.0899	1904.	.311	2.471	3.577	4.082	.5537
%RSD	-----	.7210	117.1	.2119	234.4	.6239	15.11	40.74	46.45	91.10	142.0
#1	^ -----	310900.	-42.70	308800.	.0141	307200.	2.369	3.347	3.660	-.0433	-.2242
#2	^ -----	306600.	6.850	309400.	-.0370	304900.	1.748	8.176	8.980	7.887	.8508
#3	^ -----	307700.	-96.36	310100.	.1379	303400.	2.051	6.670	10.46	5.598	.5434
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3449**	**3.596**	**-2.270**	**1.889**	**-2.857**	**-4.165**	**12.19**	**2.142**	**.8608**
Stddev	.2430	.133	.291	.079	.921	2.883	7.64	.221	.8711
%RSD	70.47	3.705	12.84	4.189	32.25	69.22	62.67	10.31	101.2
#1	-.3462	3.457	-2.203	1.971	-2.687	-.9332	4.762	2.347	.6591
#2	-.5872	3.608	-2.589	1.814	-2.033	-5.089	11.79	1.908	.1082
#3	-.1012	3.722	-2.018	1.880	-3.852	-6.473	20.03	2.172	1.815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23574.**	**37246.**	**23363.**
Stddev	87.	474.	28.
%RSD	.36899	1.2716	.11885
#1	23616.	37243.	23331.
#2	23632.	37721.	23384.
#3	23474.	36774.	23373.

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Project No.: 11070033

Date(s) of Sample Analysis: 8/9/11 Date(s) of Sample Prep.: 7/28/11

Preparer(s): F. Xu Analyst(s): F. Xu

(Circle) Matrix: Aqueous (Solid) Sludge Oil Other _____

PREPARATION: EPA-SOP-C-116 ANALYSIS: EPA-SOP-C-109 Instrument: ICAP 6300 Duo (Serial # : 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: Cu, Fe, & Pb)	YES	NO	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD (sr) of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?	✓		
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		

II. DIGESTION BATCH QC: (for the elements of interest stated above)	YES	NO	N/A
A. Prep Blank < Reporting Limit for all elements of interest?			✓
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)			✓
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?			✓
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?			✓
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?			✓
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project ?			✓
G. For samples with results > Reporting Limit, was the % RSD (sr) < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)		✓	
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: [signature] Date: 8/24/11

Peer Review: [signature] Date: 12/10/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: JEWETT WHITE LEAD

Project # 11070033

The following nine (9) solid samples were re-analyzed at 10X dilutions by ICP-AES on 08/09/11 and were reported accordingly:

Fe -- > 10X -- > AN03416, AN03418, AN03421, AN03423, AN03425, AN03426, AN03428, AN03430 AN03431

Pb -- > 10X -- > AN03423, AN03425

Cu -- > 10X -- > AN03431

Note: All of the above samples were already received dried and hence the reported results are based on the assumed 100% solids.

ICAP 6300 QC ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	09 Aug 2011			ug/L	09 Aug 2011	
		12:18:45				12:23:03	
Ag3280	200	199.9	100.0	PASS	5	-0.0013	PASS
Al3082A	5000	4841	96.8	PASS	100	-1.23	PASS
Al3082R	5000	4890	97.8	PASS	100	-7.131	PASS
As1890	200	200.4	100.2	PASS	8	4.115	PASS
Ba4554R	200	196.3	98.2	PASS	100	-1.124	PASS
Be3131R	200	193.4	96.7	PASS	3	-1.117	PASS
Ca3179R	5000	5079	101.6	PASS	500	-1.743	PASS
Cd2265	200	198.3	99.2	PASS	3	-0.7962	PASS
Co2286	200	192.7	96.4	PASS	20	-0.65	PASS
Cr2677	200	208.8	104.4	PASS	5	-1.217	PASS
Cu3247	200	206.3	103.2	PASS	5	-0.9648	PASS
Fe2599A	5000	5160	103.2	PASS	50	-3.394	PASS
Fe2599R	5000	5078	101.6	PASS	50	1.387	PASS
K_7664R	5000	5041	100.8	PASS	500	19.71	PASS
Mg2790R	5000	5074	101.5	PASS	500	5.527	PASS
Mn2576	200	210.1	105.1	PASS	5	-0.9765	PASS
Na5895R	5000	5024	100.5	PASS	1000	7.063	PASS
Ni2316	200	196.3	98.2	PASS	20	-0.3057	PASS
Pb2203	200	194.8	97.4	PASS	8	-2.417	PASS
Sb2068	200	200	100.0	PASS	20	-1.97	PASS
Se1960	200	196.1	98.1	PASS	20	-3.121	PASS
Tl1908	200	197.1	98.6	PASS	20	-1.195	PASS
V_2924	200	200.4	100.2	PASS	20	-1.231	PASS
Zn2062	200	196.1	98.1	PASS	20	-0.756	PASS
Mo2020	200	197.3	98.7	PASS	10	-1.365	PASS
Ti3372	200	201.9	101.0	PASS	10	-0.9283	PASS
B_2089	200	200.3	100.2	PASS	10	-4.721	PASS
Si2881A	5000	5048	101.0	PASS	500	-2.775	PASS
Si2881R	5000	5010	100.2	PASS	500	-3.094	PASS
Sr3464	200	204.5	102.3	PASS	10	-1.213	PASS
Sn1899	200	199.7	99.9	PASS	10	-0.3958	PASS

ICAP 6300 QC RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG	
	ug/L	ug/L	ug/L	09 Aug 2011			09 Aug 2011			
				12:27:30			13:30:35			
Ag3280	5	3.5	6.5	5.059	101.2	PASS	4.879	97.6	PASS	
Al3082A	100	70.0	130	106.4	106.4	PASS	103.9	103.9	PASS	
Al3082R	100	70.0	130	106.7	106.7	PASS	98.28	98.3	PASS	
As1890	8	5.6	10.4	F 10.56	#VALUE!	#VALUE!	F 12.73	#VALUE!	#VALUE!	* Raised RL to 2RL
Ba4554R	100	70.0	130	99.74	99.7	PASS	98.43	98.4	PASS	
Be3131R	3	2.1	3.9	F 1.698	#VALUE!	#VALUE!	F 1.797	#VALUE!	#VALUE!	
Ca3179R	500	350	650	511.2	102.2	PASS	511.1	102.2	PASS	
Cd2265	3	2.1	3.9	F 2.056	#VALUE!	#VALUE!	F 2.006	#VALUE!	#VALUE!	
Co2286	20	14.0	26.0	19.18	95.9	PASS	19.29	96.5	PASS	
Cr2677	5	3.5	6.5	4.099	82.0	PASS	3.909	78.2	PASS	
Cu3247	10	7.0	13.0	9.184	91.8	PASS	9.817	98.2	PASS	
Fe2599A	50	35.0	65.0	48.1	96.2	PASS	48.93	97.9	PASS	
Fe2599R	50	35.0	65.0	51.77	103.5	PASS	51.88	103.8	PASS	
K_7664R	500	350	650	531.5	106.3	PASS	497.3	99.5	PASS	
Mg2790R	500	350	650	493.9	98.8	PASS	512.7	102.5	PASS	
Mn2576	5	3.5	6.5	4.158	83.2	PASS	4.311	86.2	PASS	
Na5895R	1000	700	1300	1017	101.7	PASS	1030	103.0	PASS	
Ni2316	20	14.0	26.0	18.97	94.9	PASS	18.9	94.5	PASS	
Pb2203	8	5.6	10.4	5.779	72.2	PASS	5.726	71.6	PASS	
Sb2068	20	14.0	26.0	17.29	86.5	PASS	18.45	92.3	PASS	
Se1960	20	14.0	26.0	22.18	110.9	PASS	18.91	94.6	PASS	
Tl1908	20	14.0	26.0	19.76	98.8	PASS	17.27	86.4	PASS	
V_2924	20	14.0	26.0	18.47	92.4	PASS	18.79	94.0	PASS	
Zn2062	20	14.0	26.0	20.92	104.6	PASS	21.76	108.8	PASS	
Mo2020	10	7.0	13.0	8.961	89.6	PASS	8.172	81.7	PASS	
Ti3372	10	7.0	13.0	9.478	94.8	PASS	9.172	91.7	PASS	
B_2089	10	7.0	13.0	F 5.187	#VALUE!	#VALUE!	F -1.334	#VALUE!	#VALUE!	
Si2881A	500	350	650	516.3	103.3	PASS	509.5	101.9	PASS	
Si2881R	500	350	650	518.3	103.7	PASS	507.9	101.6	PASS	
Sr3464	10	7.0	13.0	9.167	91.7	PASS	9.498	95.0	PASS	
Sn1899	10	7.0	13.0	10.12	101.2	PASS	10.4	104.0	PASS	

ICAP 6300 QC 2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	09 Aug 2011			09 Aug 2011		
				12:31:55			13:35:00		
Ag3280	10	7.0	13.0	10.18	101.8	PASS	9.942	99.4	PASS
Al3082A	200	140	260	201.1	100.6	PASS	201.5	100.8	PASS
Al3082R	200	140	260	210.6	105.3	PASS	216.8	108.4	PASS
As1890	16	11.2	20.8	F 22.03	#VALUE!	#VALUE!	20.75	129.7	PASS
Ba4554R	200	140	260	198.5	99.3	PASS	197	98.5	PASS
Be3131R	6	4.2	7.8	4.853	80.9	PASS	F 4.669	#VALUE!	#VALUE!
Ca3179R	1000	700	1300	1023	102.3	PASS	1021	102.1	PASS
Cd2265	6	4.2	7.8	5.095	84.9	PASS	5.17	86.2	PASS
Co2286	40	28.0	52.0	39.26	98.2	PASS	39.28	98.2	PASS
Cr2677	10	7.0	13.0	9.845	98.5	PASS	9.514	95.1	PASS
Cu3247	20	16.0	24	20.65	103.3	PASS	20.12	100.6	PASS
Fe2599A	100	70.0	130	100.7	100.7	PASS	102.5	102.5	PASS
Fe2599R	100	70.0	130	99.89	99.9	PASS	103.4	103.4	PASS
K_7664R	1000	700	1300	1043	104.3	PASS	966.7	96.7	PASS
Mg2790R	1000	700	1300	1013	101.3	PASS	1035	103.5	PASS
Mn2576	10	7.0	13.0	9.584	95.8	PASS	9.806	98.1	PASS
Na5895R	2000	1400	2600	2011	100.6	PASS	2023	101.2	PASS
Ni2316	40	28.0	52.0	38.9	97.3	PASS	39.03	97.6	PASS
Pb2203	16	11.2	20.8	14.88	93.0	PASS	16.66	104.1	PASS
Sb2068	40	28.0	52.0	37.29	93.2	PASS	39.35	98.4	PASS
Se1960	40	28.0	52.0	40.83	102.1	PASS	42.26	105.7	PASS
Tl1908	40	28.0	52.0	38.65	96.6	PASS	39.37	98.4	PASS
V_2924	40	28.0	52.0	39.19	98.0	PASS	39.67	99.2	PASS
Zn2062	40	28.0	52.0	43.4	108.5	PASS	44.75	111.9	PASS
Mo2020	20	14.0	26.0	19.05	95.3	PASS	18.57	92.9	PASS
Ti3372	20	14.0	26.0	19.66	98.3	PASS	19.52	97.6	PASS
B_2089	20	14.0	26.0	F 12.67	#VALUE!	#VALUE!	F 9.586	#VALUE!	#VALUE!
Si2881A	1000	700	1300	1011	101.1	PASS	1029	102.9	PASS
Si2881R	1000	700	1300	1007	100.7	PASS	1016	101.6	PASS
Sr3464	20	14.0	26.0	20.14	100.7	PASS	20.07	100.4	PASS
Sn1899	20	14.0	26.0	20.77	103.9	PASS	21.16	105.8	PASS

ICAP 6300 QC IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	09 Aug 2011			09 Aug 2011			
				12:36:20			13:39:23			
Ag3280	0	-5.0	5.0	-1.804		PASS	-1.502		PASS	
Al3082A	300000	200000	300000	^F *****	*N/A	*N/A	^F *****	*N/A	*N/A	switch to radial
Al3082R	300000	200000	300000	298900	99.6	PASS	296900	99.0	PASS	
As1890	0	-8.0	8.0	0.0847		PASS	2.393		PASS	
Ba4554R	0	-100	100	-0.8896		PASS	-1.172		PASS	
Be3131R	0	-3.0	3.0	-1.395		PASS	-1.558		PASS	
Ca3179R	300000	200000	300000	300900	100.3	PASS	304300	101.4	PASS	
Cd2265	0	-3.0	3.0	-2.898		PASS	F -3.343		#VALUE!	
Co2286	0	-20.0	20.0	-1.596		PASS	-1.842		PASS	
Cr2677	0	-5.0	5.0	-2.807		PASS	-3.09		PASS	
Cu3247	0	-5.0	5.0	4.193		PASS	4.285		PASS	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	#VALUE!	*N/A	switch to radial
Fe2599R	300000	200000	300000	301200	100.4	PASS	303800	101.3	PASS	
K_7664R	0	-500	500	3.099		PASS	6.285		PASS	
Mg2790R	300000	200000	300000	303200	101.1	PASS	305700	101.9	PASS	
Mn2576	0	-5.0	5.0	-0.8797		PASS	-0.9873		PASS	
Na5895R	300000	200000	300000	303000	101.0	PASS	294200	98.1	PASS	
Ni2316	0	-20.0	20.0	1.523		PASS	1.813		PASS	
Pb2203	0	-8.0	8.0	-3.401		PASS	-3.66		PASS	
Sb2068	0	-20.0	20.0	4.797		PASS	6.326		PASS	
Se1960	0	-20.0	20.0	-0.0858		PASS	-1.359		PASS	
Tl1908	0	-20.0	20.0	1.604		PASS	0.059		PASS	
V_2924	0	-20.0	20.0	-1.063		PASS	-1.566		PASS	
Zn2062	0	-20.0	20.0	2.39		PASS	2.538		PASS	
Mo2020	0	-10.0	10.0	-3.623		PASS	-3.538		PASS	
Ti3372	0	-10.0	10.0	1.332		PASS	1.219		PASS	
B_2089	0	-10.0	10.0	-9.31		PASS	F -13.02		#VALUE!	
Si2881A	0	-500	500	-2.115		PASS	-3.292		PASS	
Si2881R	0	-500	500	13		PASS	31.46		PASS	
Sr3464	0	-10.0	10.0	0.147		PASS	0.291		PASS	
Sn1899	0	-10.0	10.0	1.869		PASS	0.652		PASS	

ICAP 6300 QC

CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	09 Aug 2011			ug/L	09 Aug 2011	
		13:21:58				13:26:10	
Ag3280	200	195.4	97.7	PASS	5	0.1077	PASS
Al3082A	5000	4744	94.9	PASS	100	-1.832	PASS
Al3082R	5000	4886	97.7	PASS	100	8.048	PASS
As1890	200	200.9	100.5	PASS	8	3.859	PASS
Ba4554R	200	193.9	97.0	PASS	100	-0.9053	PASS
Be3131R	200	189	94.5	PASS	3	-1.207	PASS
Ca3179R	5000	5166	103.3	PASS	500	3.46	PASS
Cd2265	200	201.7	100.9	PASS	3	-1.026	PASS
Co2286	200	192.2	96.1	PASS	20	-1.096	PASS
Cr2677	200	210.2	105.1	PASS	5	-0.7451	PASS
Cu3247	200	200.3	100.2	PASS	5	-1.72	PASS
Fe2599A	5000	5234	104.7	PASS	50	2.523	PASS
Fe2599R	5000	5148	103.0	PASS	50	3.846	PASS
K_7664R	5000	5050	101.0	PASS	500	-59.27	PASS
Mg2790R	5000	5189	103.8	PASS	500	-1.24	PASS
Mn2576	200	210.1	105.1	PASS	5	-1.096	PASS
Na5895R	5000	5056	101.1	PASS	1000	8.985	PASS
Ni2316	200	197.2	98.6	PASS	20	-0.9176	PASS
Pb2203	200	199.4	99.7	PASS	8	-0.9528	PASS
Sb2068	200	192.3	96.2	PASS	20	-0.5198	PASS
Se1960	200	194.5	97.3	PASS	20	0.5969	PASS
Tl1908	200	194.7	97.4	PASS	20	-1.925	PASS
V_2924	200	198.7	99.4	PASS	20	-1.186	PASS
Zn2062	200	205	102.5	PASS	20	-0.952	PASS
Mo2020	200	193.8	96.9	PASS	10	-1.607	PASS
Ti3372	200	199.1	99.6	PASS	10	-1.058	PASS
B_2089	200	184.5	92.3	PASS	10	F -10.35	#VALUE!
Si2881A	5000	5001	100.0	PASS	500	-4.377	PASS
Si2881R	5000	5053	101.1	PASS	500	0.7367	PASS
Sr3464	200	206.9	103.5	PASS	10	-0.5544	PASS
Sn1899	200	203.2	101.6	PASS	10	-0.4863	PASS

ICAP 6300 QC CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	09 Aug 2011			ug/L	09 Aug 2011	
		13:21:58				13:26:10	
Ag3280	200	195.4	97.7	PASS	5	0.1077	PASS
Al3082A	5000	4744	94.9	PASS	100	-1.832	PASS
Al3082R	5000	4886	97.7	PASS	100	8.048	PASS
As1890	200	200.9	100.5	PASS	8	3.859	PASS
Ba4554R	200	193.9	97.0	PASS	100	-0.9053	PASS
Be3131R	200	189	94.5	PASS	3	-1.207	PASS
Ca3179R	5000	5166	103.3	PASS	500	3.46	PASS
Cd2265	200	201.7	100.9	PASS	3	-1.026	PASS
Co2286	200	192.2	96.1	PASS	20	-1.096	PASS
Cr2677	200	210.2	105.1	PASS	5	-0.7451	PASS
Cu3247	200	200.3	100.2	PASS	5	-1.72	PASS
Fe2599A	5000	5234	104.7	PASS	50	2.523	PASS
Fe2599R	5000	5148	103.0	PASS	50	3.846	PASS
K_7664R	5000	5050	101.0	PASS	500	-59.27	PASS
Mg2790R	5000	5189	103.8	PASS	500	-1.24	PASS
Mn2576	200	210.1	105.1	PASS	5	-1.096	PASS
Na5895R	5000	5056	101.1	PASS	1000	8.985	PASS
Ni2316	200	197.2	98.6	PASS	20	-0.9176	PASS
Pb2203	200	199.4	99.7	PASS	8	-0.9528	PASS
Sb2068	200	192.3	96.2	PASS	20	-0.5198	PASS
Se1960	200	194.5	97.3	PASS	20	0.5969	PASS
Tl1908	200	194.7	97.4	PASS	20	-1.925	PASS
V_2924	200	198.7	99.4	PASS	20	-1.186	PASS
Zn2062	200	205	102.5	PASS	20	-0.952	PASS
Mo2020	200	193.8	96.9	PASS	10	-1.607	PASS
Ti3372	200	199.1	99.6	PASS	10	-1.058	PASS
B_2089	200	184.5	92.3	PASS	10	F -10.35	#VALUE!
Si2881A	5000	5001	100.0	PASS	500	-4.377	PASS
Si2881R	5000	5053	101.1	PASS	500	0.7367	PASS
Sr3464	200	206.9	103.5	PASS	10	-0.5544	PASS
Sn1899	200	203.2	101.6	PASS	10	-0.4863	PASS

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 9 SDs (DILUTION RE-ANALYSIS)

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: F. XU

SAMPLE PREPARATION DATE(S): 07/28/11

ANALYSIS DATE: 08/09/11

DATA FILE: ESAT080911

ELEMENT(S) OF INTEREST: Cu, Fe, & Pb

COVER PAGE

	Pos ID	Type	Samplename	Comment	Instrument	Method	ConFact	Check	Check Table	Fail Action
1	1	Unk	AN03416X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
2	2	Unk	AN03418X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
3	3	Unk	AN03421X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
4	4	Unk	AN03423X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	AN03425X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	AN03426X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
7	7	Unk	AN03428X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	AN03430X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	Unk	AN03431X10	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---

SUMMARY VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	9 Aug 2011 12:04:42	9 Aug 2011 12:09:06	9 Aug 2011 12:13:30	9 Aug 2011 12:18:45	9 Aug 2011 12:23:03	9 Aug 2011 12:27:30	9 Aug 2011 12:31:55	9 Aug 2011 12:36:20
Ag3280	-.0005	.4397	.8566	199.9	-.0013	5.059	10.18	-1.804
Al3961A	.0084	3.245	6.347	4841.	-1.230	106.4	201.1	^F *****
Al3961R	.0014	.2168	.4300	4890.	-7.131	106.7	210.6	298900.
As1890	.0000	.1488	.3018	200.4	4.115	F 10.56	F 22.03	.0847
Ba4554R	.0105	11.42	22.71	196.3	-1.124	99.74	198.5	-.8896
Be3131R	.0017	6.508	12.93	193.4	-1.117	F 1.698	4.853	-1.395
Ca3179R	.0048	.5776	1.143	5079.	-1.743	511.2	1023.	300900.
Cd2265	.0013	5.893	11.61	198.3	-.7962	F 2.056	5.095	-2.898
Co2286	.0005	2.075	4.156	192.7	-.6500	19.18	39.26	-1.596
Cr2677	.0002	1.382	2.726	208.8	-1.217	4.099	9.845	-2.807
Cu3247	.0109	4.205	8.231	206.3	-.9648	9.184	20.65	4.193
Fe2599A	.0033	2.930	5.781	5160.	-3.394	48.10	100.7	^ *****
Fe2599R	.0003	.3736	.7428	5078.	1.387	51.77	99.89	301200.
K_7664R	-.0072	.1215	.2451	5041.	19.71	531.5	1043.	3.099
Mg2790R	.0001	.0622	.1248	5074.	5.527	493.9	1013.	303200.
Mn2576	.0047	18.97	36.91	210.1	-.9765	4.158	9.584	-.8797
Na5895R	.0065	.4358	.8578	5024.	7.063	1017.	2011.	303000.
Ni2316	.0001	1.187	2.364	196.3	-.3057	18.97	38.90	1.523
Pb2203	.0003	.4426	.8901	194.8	-2.417	5.779	14.88	-3.401
Sb2068	.0000	.3082	.6141	200.0	-1.970	17.29	37.29	4.797
Se1960	.0001	.1158	.2337	196.1	-3.121	22.18	40.83	-.0858
Tl1908	.0000	.2492	.4961	197.1	-1.195	19.76	38.65	1.604
V_2924	.0010	4.016	7.913	200.4	-1.231	18.47	39.19	-1.063
Zn2062	.0016	2.516	5.062	196.1	-.7560	20.92	43.40	2.390
Mo2020	.0005	1.560	3.132	197.3	-1.365	8.961	19.05	-3.623
Ti3372	.0011	10.91	21.29	201.9	-.9283	9.478	19.66	1.332
B_2089	.0015	.7007	1.396	200.3	-4.721	F 5.187	F 12.67	-9.310
Si2881A	.0075	.7332	1.433	5048.	-2.775	516.3	1011.	-2.115
Si2881R	.0006	.0999	.1997	5010.	-3.094	518.3	1007.	13.00
Sn1899	.0001	.4013	.7982	199.7	-.3958	10.12	20.77	1.869
Sr3464	.0000	3.013	5.982	204.5	-1.213	9.167	20.14	.1470
Y_2243-A	24200.	23943.	24028.	25067.	23875.	24504.	25057.	22792.
Y_3203-A	39774.	39108.	39556.	39910.	39170.	40775.	40623.	37005.
Y_3600-R	26031.	25493.	25272.	25479.	26286.	26614.	25420.	24792.

SUMMARY VERTICAL REPORT

	AN03416X10	AN03418X10	AN03421X10	AN03423X10	AN03425X10	AN03426X10	AN03428X10	AN03430X10
	9 Aug 2011 12:41:22	9 Aug 2011 12:45:49	9 Aug 2011 12:50:13	9 Aug 2011 12:54:45	9 Aug 2011 12:59:13	9 Aug 2011 13:03:41	9 Aug 2011 13:08:15	9 Aug 2011 13:12:51
Ag3280	.2275	.5341	.0011	.6450	-.2652	-.2737	-.3862	.3348
Al3961A	8312.	3568.	8672.	2803.	9136.	5816.	3161.	9763.
Al3961R	8237.	3614.	8873.	2828.	9268.	5995.	3243.	10040.
As1890	43.17	21.40	11.31	28.48	26.03	33.31	40.79	24.50
Ba4554R	136.9	119.8	233.6	323.8	169.2	232.0	286.4	227.9
Be3131R	-.1202	.0679	3.747	-.9656	-.9635	.4249	-1.077	-.6765
Ca3179R	15850.	54010.	99840.	2696.	24550.	14210.	3628.	33350.
Cd2265	-.6418	-.0379	-.4490	.7141	-.7178	1.327	-.3168	.4170
Co2286	28.28	25.67	40.48	12.19	17.29	53.63	16.38	9.574
Cr2677	84.45	52.31	120.3	28.88	47.83	131.6	37.61	125.9
Cu3247	390.0	938.9	986.8	2080.	459.2	1023.	2219.	1718.
Fe2599A	62780.	57820.	69700.	F 89480.	F 89180.	F 126800.	F 154700.	51830.
Fe2599R	65890.	61740.	74990.	98140.	98120.	140200.	177800.	~~54210.~~
K_7664R	1884.	435.7	1829.	167.0	849.2	570.1	260.7	1326.
Mg2790R	15360.	30660.	49550.	675.8	2580.	6261.	1066.	12610.
Mn2576	562.6	405.1	676.8	447.5	563.7	673.7	494.2	386.3
Na5895R	1441.	694.4	3315.	1772.	2629.	830.9	767.7	1133.
Ni2316	196.6	171.7	362.0	32.85	38.45	192.8	50.52	87.51
Pb2203	373.2	2912.	1159.	8197.	7532.	5456.	4195.	5186.
Sb2068	4.484	380.3	7.983	428.6	32.20	26.94	26.67	20.67
Se1960	1.103	.2976	-.9325	-.6163	-3.115	.4024	1.766	-3.520
Tl1908	-1.340	-1.727	-2.262	-1.821	-2.074	-1.922	-1.572	-3.052
V_2924	31.43	27.63	28.76	24.24	26.59	48.52	40.57	27.27
Zn2062	1275.	740.5	2277.	936.3	431.9	2492.	1312.	711.4
Mo2020	27.93	4.265	24.02	.1756	3.004	9.315	.1912	2.453
Ti3372	552.7	177.2	568.6	188.8	382.6	309.5	203.8	501.6
B_2089	28.42	6.932	70.66	-2.642	2.683	26.98	-1.887	19.26
Si2881A	3289.	2590.	7451.	1227.	1745.	3439.	1516.	4560.
Si2881R	3244.	2590.	7459.	1215.	1745.	3486.	1523.	4563.
Sn1899	55.88	1937.	218.8	565.4	89.63	89.31	247.9	238.2
Sr3464	76.47	63.27	135.7	38.25	139.4	49.79	39.29	114.1
Y_2243-A	24713.	24415.	24649.	25433.	25974.	26325.	26585.	27505.
Y_3203-A	39730.	39973.	39931.	40800.	41378.	41724.	40981.	43209.
Y_3600-R	26043.	25411.	25631.	25599.	25704.	25511.	24143.	25574.

8/10/11

SUMMARY VERTICAL REPORT

	AN03431X10	CCV	CCB	RL	2RL	IOS
	9 Aug 2011 13:17:16	9 Aug 2011 13:21:58	9 Aug 2011 13:26:10	9 Aug 2011 13:30:35	9 Aug 2011 13:35:00	9 Aug 2011 13:39:23
Ag3280	1.149	195.4	.1077	4.879	9.942	-1.502
Al3961A	4165.	4744.	-1.832	103.9	201.5	^F *****
Al3961R	4280.	4886.	8.048	98.28	216.8	296900.
As1890	19.55	200.9	3.859	F 12.73	20.75	2.393
Ba4554R	108.4	193.9	-.9053	98.43	197.0	-1.172
Be3131R	-1.178	189.0	-1.207	F 1.797	F 4.669	-1.558
Ca3179R	8728.	5166.	3.460	511.1	1021.	304300.
Cd2265	5.601	201.7	-1.026	F 2.006	5.170	F -3.343
Co2286	18.67	192.2	-1.096	19.29	39.28	-1.842
Cr2677	41.33	210.2	-.7451	3.909	9.514	-3.090
Cu3247	7630.	200.3	-1.720	9.817	20.12	4.285
Fe2599A	F 120800.	5234.	2.523	48.93	102.5	^ *****
Fe2599R	136300.	5148.	3.846	51.88	103.4	303800.
K_7664R	365.9	5050.	-59.27	497.3	966.7	6.285
Mg2790R	2722.	5189.	-1.240	512.7	1035.	305700.
Mn2576	959.8	210.1	-1.096	4.311	9.806	-.9873
Na5895R	590.1	5056.	8.985	1030.	2023.	294200.
Ni2316	73.74	197.2	-.9176	18.90	39.03	1.813
Pb2203	2706.	199.4	-.9528	5.726	16.66	-3.660
Sb2068	20.26	192.3	-.5198	18.45	39.35	6.326
Se1960	1.792	194.5	.5969	18.91	42.26	-1.359
Tl1908	-2.497	194.7	-1.925	17.27	39.37	.0590
V_2924	28.92	198.7	-1.186	18.79	39.67	-1.566
Zn2062	6524.	205.0	-.9520	21.76	44.75	2.538
Mo2020	-.0217	193.8	-1.607	8.172	18.57	-3.538
Ti3372	272.3	199.1	-1.058	9.172	19.52	1.219
B_2089	-5.840	184.5	F -10.35	F -1.334	F 9.586	F -13.02
Si2881A	1631.	5001.	-4.377	509.5	1029.	-3.292
Si2881R	1647.	5053.	.7367	507.9	1016.	31.46
Sn1899	454.5	203.2	-.4863	10.40	21.16	.6520
Sr3464	42.94	206.9	-.5544	9.498	20.07	.2910
Y_2243-A	26674.	26367.	26666.	26413.	26123.	24456.
Y_3203-A	41514.	41103.	40824.	41667.	40696.	39336.
Y_3600-R	24393.	24346.	24664.	25383.	24432.	25281.

Sample Name: Blank Acquired: 8/9/2011 12:04:42 Type: Cal
Method: PT_MET(v96) Mode: IR Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0005**	**.0084**	**.0014**	**.0000**	**.0105**	**.0017**	**.0048**	**.0013**	**.0005**	**.0002**	**.0109**
Stddev	.0007	.0005	.0009	.000	.0013	.0006	.0001	.0003	.0001	.0002	.0002
%RSD	128.7	6.268	61.57	1437.	12.80	36.64	1.428	25.00	17.99	72.53	2.134
#1	-.0001	.0088	.0021	.0001	.0120	.0024	.0048	.0015	.0005	.0004	.0110
#2	-.0013	.0078	.0004	-.0001	.0102	.0014	.0047	.0013	.0005	.0002	.0111
#3	-.0002	.0087	.0017	.0000	.0094	.0012	.0049	.0009	.0004	.0001	.0106

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0033**	**.0003**	**-.0072**	**.0001**	**.0047**	**.0065**	**.0001**	**.0003**	**.0000**	**.0001**	**.0000**
Stddev	.0002	.0001	.0007	.0001	.0014	.0007	.0001	.0001	.0001	.0000	.000
%RSD	7.350	21.69	10.18	203.8	29.94	10.37	132.4	18.37	4095.	24.01	389.9
#1	.0035	.0003	-.0078	.0001	.0063	.0061	.0002	.0003	.0002	.0002	-.0001
#2	.0033	.0003	-.0064	-.0001	.0044	.0060	.0001	.0004	-.0001	.0001	.0000
#3	.0030	.0004	-.0072	.0002	.0036	.0072	.0000	.0003	.0000	.0001	.0001

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0010**	**.0016**	**.0005**	**.0011**	**.0015**	**.0075**	**.0006**	**.0000**	**.0001**
Stddev	.0005	.0002	.0001	.0008	.0002	.0004	.0002	.0002	.0000
%RSD	53.76	14.08	27.47	72.25	12.66	4.951	35.08	677.5	44.83
#1	.0013	.0019	.0004	.0018	.0017	.0072	.0007	.0003	.0001
#2	.0012	.0016	.0007	.0011	.0015	.0079	.0009	-.0002	.0001
#3	.0004	.0014	.0005	.0003	.0013	.0073	.0004	.0000	.0002

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24200.**	**39774.**	**26031.**
Stddev	174.	239.	283.
%RSD	.71988	.60012	1.0864
#1	24374.	39587.	25717.
#2	24201.	40043.	26112.
#3	24026.	39692.	26265.

Sample Name: MID STD Acquired: 8/9/2011 12:09:06 Type: Cal
Method: PT_MET(v96) Mode: IR Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4397**	**3.245**	**.2168**	**.1488**	**11.42**	**6.508**	**.5776**	**5.893**	**2.075**	**1.382**	**4.205**
Stddev	.0041	.026	.0012	.0003	.04	.014	.0007	.026	.008	.009	.021
%RSD	.9250	.8099	.5544	.2177	.3682	.2135	.1274	.4423	.3655	.6198	.5057
#1	.4400	3.248	.2180	.1488	11.47	6.516	.5783	5.899	2.073	1.383	4.208
#2	.4354	3.217	.2156	.1485	11.39	6.516	.5769	5.864	2.068	1.373	4.183
#3	.4436	3.269	.2168	.1492	11.41	6.492	.5775	5.915	2.083	1.390	4.225

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.930**	**.3736**	**.1215**	**.0622**	**18.97**	**.4358**	**1.187**	**.4426**	**.3082**	**.1158**	**.2492**
Stddev	.009	.0008	.0013	.0006	.21	.0022	.008	.0025	.0014	.0006	.0013
%RSD	.2900	.2150	1.095	.9903	1.085	.4973	.6415	.5645	.4658	.4784	.5084
#1	2.928	.3744	.1204	.0615	18.98	.4378	1.182	.4438	.3071	.1164	.2484
#2	2.923	.3736	.1230	.0623	18.76	.4335	1.182	.4397	.3076	.1152	.2485
#3	2.940	.3728	.1212	.0628	19.17	.4360	1.196	.4443	.3098	.1158	.2507

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.016**	**2.516**	**1.560**	**10.91**	**.7007**	**.7332**	**.0999**	**3.013**	**.4013**
Stddev	.027	.023	.007	.15	.0010	.0043	.0001	.009	.0034
%RSD	.6817	.9022	.4390	1.354	.1434	.5842	.1426	.3145	.8566
#1	4.013	2.508	1.556	10.94	.7014	.7316	.1000	3.015	.3994
#2	3.990	2.499	1.556	10.75	.6996	.7300	.0997	3.002	.3993
#3	4.044	2.542	1.568	11.05	.7012	.7380	.0999	3.021	.4053

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23943.**	**39108.**	**25493.**
Stddev	78.	468.	467.
%RSD	.32706	1.1970	1.8335
#1	23854.	39045.	25782.
#2	24002.	39604.	25744.
#3	23973.	38674.	24954.

Sample Name: HIGH STD Acquired: 8/9/2011 12:13:30 Type: Cal
Method: PT_MET(v96) Mode: IR Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.8566**	**6.347**	**.4300**	**.3018**	**22.71**	**12.93**	**1.143**	**11.61**	**4.156**	**2.726**	**8.231**
Stddev	.0152	.117	.0012	.0007	.30	.33	.008	.24	.003	.032	.047
%RSD	1.778	1.840	.2862	.2191	1.341	2.568	.7036	2.060	.0778	1.183	.5728
#1	.8734	6.478	.4286	.3015	22.70	13.14	1.135	11.58	4.159	2.763	8.286
#2	.8526	6.311	.4307	.3014	23.01	13.11	1.151	11.38	4.153	2.712	8.203
#3	.8437	6.253	.4307	.3026	22.41	12.55	1.144	11.86	4.157	2.703	8.205

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.781**	**.7428**	**.2451**	**.1248**	**36.91**	**.8578**	**2.364**	**.8901**	**.6141**	**.2337**	**.4961**
Stddev	.048	.0026	.0006	.0005	.43	.0013	.004	.0018	.0029	.0007	.0013
%RSD	.8291	.3557	.2605	.3769	1.158	.1464	.1862	.2042	.4643	.2814	.2594
#1	5.802	.7398	.2448	.1253	37.19	.8576	2.369	.8890	.6173	.2334	.4976
#2	5.727	.7446	.2447	.1245	37.12	.8567	2.362	.8890	.6129	.2332	.4950
#3	5.816	.7440	.2459	.1245	36.42	.8592	2.360	.8922	.6120	.2344	.4958

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**7.913**	**5.062**	**3.132**	**21.29**	**1.396**	**1.433**	**.1997**	**5.982**	**.7982**
Stddev	.058	.015	.009	.15	.003	.021	.0016	.044	.0015
%RSD	.7320	.2999	.3027	.7177	.1975	1.477	.7821	.7317	.1824
#1	7.921	5.057	3.143	21.42	1.398	1.456	.1979	6.032	.7994
#2	7.967	5.049	3.125	21.33	1.393	1.430	.2007	5.964	.7966
#3	7.852	5.078	3.128	21.13	1.397	1.414	.2006	5.951	.7987

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24028.**	**39556.**	**25272.**
Stddev	198.	335.	171.
%RSD	.82584	.84575	.67840
#1	23807.	39199.	25296.
#2	24087.	39607.	25089.
#3	24190.	39862.	25429.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	-0.000522	0.000866	0.000000	1.000000	0.999919	0.491021	1.473063	4.910209
Al 396.152 { 85}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.008463	0.000626	0.000000	1.000000	0.999951	1.236482	3.709447	12.364824
Al 396.152 { 85}2	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.001386	0.000041	0.000000	1.000000	0.999997	0.321131	0.963392	3.211308
As 189.042 {478}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	-0.000009	0.000030	0.000000	1.000000	0.999979	0.795065	2.385196	7.950654
Ba 455.403 { 74}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.010554	0.002274	0.000000	1.000000	0.999996	0.334609	1.003826	3.346087
Be 313.107 {108}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.001702	0.001295	0.000000	1.000000	0.999995	0.368763	1.106289	3.687629
Ca 317.933 {106}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.004790	0.000114	0.000000	1.000000	0.999996	0.361972	1.085917	3.619724
Cd 226.502 {449}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.001286	0.001167	0.000000	1.000000	0.999974	0.876705	2.630114	8.767046
Co 228.616 {447}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.000450	0.000415	0.000000	1.000000	1.000000	0.105434	0.316301	1.054338
Cr 267.716 {126}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.000247	0.000274	0.000000	1.000000	0.999978	0.813699	2.441097	8.136989
Cu 324.754 {104}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.010931	0.000830	0.000000	1.000000	0.999954	1.172748	3.518243	11.727475
Fe 259.940 {130}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.003296	0.000581	0.000000	1.000000	0.999981	0.757277	2.271832	7.572772
Fe 259.940 {130}2	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.000334	0.000074	0.000000	1.000000	0.999997	0.309758	0.929274	3.097581
K 766.490 { 44}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	-0.007155	0.000025	0.000000	1.000000	0.999956	1.154358	3.463073	11.543577
Mg 279.079 {121}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.000065	0.000013	0.000000	1.000000	0.999998	0.217283	0.651850	2.172834
Mn 257.610 {131}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.004912	0.003725	0.000000	1.000000	0.999916	1.584703	4.754108	15.847025
Na 589.592 { 57}	8/9/2011 12:18:38	8/9/2011 12:18:38	Linear	1/Conc	0.006455	0.000085	0.000000	1.000000	0.999992	0.494247	1.482742	4.942472
Ni 231.604 {445}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000097	0.000237	0.000000	1.000000	0.999998	0.237725	0.713176	2.377253
Pb 220.353 {453}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000315	0.000089	0.000000	1.000000	0.999996	0.338491	1.015472	3.384907
Sb 206.833 {463}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000004	0.000062	0.000000	1.000000	0.999999	0.205724	0.617171	2.057235
Se 196.090 {472}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000142	0.000023	0.000000	1.000000	0.999990	0.549301	1.647902	5.493008
Tl 190.856 {477}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	-0.000021	0.000050	0.000000	1.000000	0.999998	0.262828	0.788485	2.628282
V 292.402 {115}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000989	0.000796	0.000000	1.000000	0.999976	0.850932	2.552796	8.509320
Zn 206.200 {463}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.001635	0.000505	0.000000	1.000000	0.999996	0.348225	1.044674	3.482247
Mo 202.030 {467}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000534	0.000313	0.000000	1.000000	0.999998	0.227069	0.681208	2.270694
Ti 337.280 {100}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.001152	0.002148	0.000000	1.000000	0.999932	1.426753	4.280258	14.267527
B 208.959 {461}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.001493	0.000133	0.000000	1.000000	0.999999	0.161945	0.485834	1.619447
Si 288.158 {117}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.007465	0.000142	0.000000	1.000000	0.999965	1.031919	3.095758	10.319193
Si 288.158 {117}2	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000641	0.000020	0.000000	1.000000	0.999999	0.181465	0.544396	1.814654
Sr 346.446 { 97}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000043	0.000600	0.000000	1.000000	0.999994	0.410872	1.232616	4.108720
Sn 189.989 {477}	8/9/2011 12:18:39	8/9/2011 12:18:39	Linear	1/Conc	0.000108	0.000080	0.000000	1.000000	0.999997	0.314005	0.942015	3.140051
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/9/2011 12:18:45 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**199.9**	**4841.**	**4890.**	**200.4**	**196.3**	**193.4**	**5079.**	**198.3**	**192.7**	**208.8**	**206.3**
Stddev	1.3	42.	22.	.9	.6	1.6	12.	1.5	.3	1.2	1.2
%RSD	.6306	.8765	.4416	.4583	.2883	.8223	.2432	.7609	.1434	.5803	.5703
#1	199.2	4856.	4898.	200.7	196.9	194.9	5088.	199.9	193.0	208.6	207.2
#2	199.0	4793.	4866.	199.3	195.8	193.6	5065.	198.0	192.5	207.7	205.0
#3	201.3	4873.	4907.	201.1	196.4	191.7	5084.	197.0	192.5	210.1	206.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5160.**	**5078.**	**5041.**	**5074.**	**210.1**	**5024.**	**196.3**	**194.8**	**200.0**	**196.1**	**197.1**
Stddev	11.	11.	32.	20.	1.0	4.	.2	1.2	1.6	2.9	2.3
%RSD	.2205	.2232	.6331	.3936	.4755	.0849	.1173	.6093	.7788	1.463	1.184
#1	5149.	5086.	5017.	5097.	209.0	5020.	196.2	193.4	199.0	199.4	197.5
#2	5162.	5065.	5028.	5061.	210.3	5022.	196.0	195.7	199.2	194.9	199.2
#3	5171.	5084.	5077.	5064.	211.0	5028.	196.5	195.2	201.8	194.0	194.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.4**	**196.1**	**197.3**	**201.9**	**200.3**	**5048.**	**5010.**	**204.5**	**199.7**
Stddev	1.0	.5	.9	.6	.8	32.	10.	.8	1.0
%RSD	.4745	.2419	.4794	.2727	.3996	.6296	.2010	.3792	.4982
#1	200.7	196.6	197.6	202.2	200.4	5061.	5022.	204.3	200.9
#2	199.4	195.7	198.0	201.3	199.4	5012.	5003.	203.9	199.1
#3	201.2	196.1	196.2	202.3	200.9	5072.	5005.	205.4	199.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25067.**	**39910.**	**25479.**
Stddev	74.	235.	152.
%RSD	.29652	.58771	.59637
#1	25111.	40006.	25341.
#2	24981.	40081.	25454.
#3	25109.	39643.	25642.

Sample Name: ICB Acquired: 8/9/2011 12:23:03 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0013**	**-1.230**	**-7.131**	**4.115**	**-1.124**	**-1.117**	**-1.743**	**-.7962**	**-.6500**	**-1.217**	**-.9648**
Stddev	.4370	.384	1.326	2.800	.178	.120	.627	.0669	.3672	.174	.4683
%RSD	33350.	31.25	18.59	68.04	15.81	10.76	35.97	8.409	56.49	14.30	48.53
#1	-.0181	-1.612	-5.869	1.027	-1.277	-1.233	-2.363	-.8098	-.8169	-1.392	-.9877
#2	-.4297	-1.233	-8.513	4.831	-1.166	-1.125	-1.757	-.7235	-.2290	-1.044	-1.421
#3	.4438	-.8435	-7.013	6.487	-.9291	-.9926	-1.109	-.8553	-.9040	-1.215	-.4856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.394**	**1.387**	**19.71**	**5.527**	**-.9765**	**7.063**	**-.3057**	**-2.417**	**-1.970**	**-3.121**	**-1.195**
Stddev	.192	2.584	15.83	13.32	.0146	4.179	.1337	3.357	1.692	1.850	1.323
%RSD	5.660	186.3	80.32	241.0	1.497	59.17	43.75	138.9	85.87	59.27	110.7
#1	-3.187	2.018	37.92	18.68	-.9910	11.86	-.3021	-.3292	-.9112	-5.242	-2.722
#2	-3.428	3.598	12.04	5.855	-.9617	4.236	-.4411	-.6318	-1.078	-1.838	-.4046
#3	-3.566	-1.454	9.180	-7.954	-.9769	5.089	-.1737	-6.289	-3.922	-2.284	-.4578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.231**	**-.7560**	**-1.365**	**-.9283**	**-4.721**	**-2.775**	**-3.094**	**-1.213**	**-.3958**
Stddev	.169	.1001	.290	.0968	.560	.593	14.65	.310	.5462
%RSD	13.74	13.24	21.27	10.43	11.86	21.36	473.5	25.52	138.0
#1	-1.065	-.8650	-1.663	-1.016	-4.535	-2.136	-13.17	-1.097	-.2437
#2	-1.223	-.6681	-1.348	-.8246	-4.279	-3.306	13.71	-1.565	.0582
#3	-1.403	-.7350	-1.083	-.9440	-5.350	-2.882	-9.828	-.9792	-1.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**23875.**	**39170.**	**26286.**
Stddev	283.	180.	415.
%RSD	1.1835	.45867	1.5804
#1	23940.	39071.	26739.
#2	24120.	39061.	25922.
#3	23566.	39377.	26196.

Sample Name: RL Acquired: 8/9/2011 12:27:30 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.059**	**106.4**	**106.7**	F **10.56**	**99.74**	F **1.698**	**511.2**	F **2.056**	**19.18**	**4.099**	**9.184**
Stddev	.212	1.9	16.6	.65	.84	.016	5.2	.120	.14	.114	.062
%RSD	4.198	1.817	15.53	6.119	.8460	.9646	1.011	5.842	.7169	2.774	.6717
#1	5.016	107.7	116.9	9.818	100.5	1.690	516.8	2.024	19.25	4.189	9.187
#2	4.872	107.3	115.5	10.91	99.83	1.717	510.2	2.190	19.27	3.971	9.244
#3	5.290	104.2	87.56	10.96	98.85	1.688	506.6	1.956	19.03	4.137	9.121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				8.000		3.000		3.000			
Range				30.00%		-30.00%		-30.00%			

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.10**	**51.77**	**531.5**	**493.9**	**4.158**	**1017.**	**18.97**	**5.779**	**17.29**	**22.18**	**19.76**
Stddev	.22	.76	18.7	5.8	.100	15.	.64	.927	1.29	.49	.40
%RSD	.4650	1.461	3.521	1.166	2.397	1.471	3.357	16.04	7.490	2.221	2.040
#1	47.90	51.40	514.5	498.7	4.198	1020.	19.58	5.013	18.43	22.75	19.63
#2	48.34	52.64	551.5	487.5	4.231	1031.	19.03	5.515	17.56	21.87	19.44
#3	48.05	51.27	528.5	495.4	4.044	1001.	18.31	6.809	15.88	21.93	20.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Tl3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.47**	**20.92**	**8.961**	**9.478**	F **5.187**	**516.3**	**518.3**	**9.167**	**10.12**
Stddev	.69	.11	.138	.318	.621	4.4	12.8	.863	.61
%RSD	3.716	.5477	1.544	3.350	11.98	.8510	2.462	9.411	6.068
#1	18.70	20.89	8.809	9.689	5.894	521.1	533.0	9.992	10.07
#2	17.70	21.04	9.080	9.113	4.729	515.5	509.9	9.239	10.76
#3	19.01	20.82	8.994	9.632	4.939	512.4	512.0	8.271	9.532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					10.00				
Range					-30.00%				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24504.**	**40775.**	**26614.**
Stddev	162.	305.	195.
%RSD	.65973	.74834	.73452
#1	24321.	40630.	26765.
#2	24626.	40569.	26393.
#3	24566.	41125.	26684.

Sample Name: 2RL Acquired: 8/9/2011 12:31:55 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.18**	**201.1**	**210.6**	F **22.03**	**198.5**	**4.853**	**1023.**	**5.095**	**39.26**	**9.845**	**20.65**
Stddev	.15	2.6	9.6	.51	.9	.179	4.	.144	.08	.209	.49
%RSD	1.473	1.311	4.561	2.294	.4626	3.689	.4229	2.830	.2123	2.125	2.369
#1	10.31	202.0	220.2	21.54	199.5	5.049	1028.	5.184	39.36	9.671	20.10
#2	10.02	198.1	210.7	22.55	197.8	4.811	1020.	4.928	39.21	9.787	21.05
#3	10.21	203.1	201.0	22.00	198.0	4.698	1021.	5.172	39.22	10.08	20.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				16.00							
Range				30.00%							

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**100.7**	**99.89**	**1043.**	**1013.**	**9.584**	**2011.**	**38.90**	**14.88**	**37.29**	**40.83**	**38.65**
Stddev	.6	2.61	13.	16.	.081	13.	.21	.37	3.75	3.29	2.13
%RSD	.5769	2.617	1.245	1.589	.8444	.6332	.5377	2.461	10.06	8.070	5.517
#1	100.3	101.7	1037.	1002.	9.579	2019.	39.15	15.25	34.87	42.06	38.50
#2	100.5	101.1	1058.	1031.	9.505	2019.	38.79	14.87	35.40	37.09	36.60
#3	101.3	96.90	1034.	1005.	9.667	1997.	38.78	14.52	41.61	43.32	40.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39.19**	**43.40**	**19.05**	**19.66**	F **12.67**	**1011.**	**1007.**	**20.14**	**20.77**
Stddev	.15	.15	.15	.15	.81	4.	16.	.64	.67
%RSD	.3939	.3351	.7918	.7540	6.399	.3635	1.587	3.193	3.234
#1	39.01	43.24	19.19	19.57	12.31	1009.	1026.	20.77	20.63
#2	39.28	43.43	19.06	19.57	13.60	1009.	997.9	20.15	21.50
#3	39.27	43.53	18.89	19.83	12.10	1016.	998.5	19.49	20.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					20.00				
Range					-30.00%				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25057.**	**40623.**	**25420.**
Stddev	145.	388.	163.
%RSD	.57852	.95597	.64007
#1	24994.	40230.	25405.
#2	24954.	41006.	25265.
#3	25223.	40633.	25590.

Sample Name: IOS Acquired: 8/9/2011 12:36:20 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.804**	^F *****	**298900.**	**.0847**	**-.8896**	**-1.395**	**300900.**	**-2.898**	**-1.596**	**-2.807**	**4.193**
Stddev	.337	-----	1293.	2.634	.2012	.183	4614.	.497	.228	.276	.478
%RSD	18.70	-----	.4326	3110.	22.61	13.13	1.533	17.14	14.28	9.841	11.40
#1	-1.422	^ -----	300000.	.4148	-1.051	-1.435	302200.	-3.441	-1.585	-3.045	3.641
#2	-2.062	250300.	299100.	-2.699	-.9537	-1.555	295800.	-2.468	-1.374	-2.504	4.473
#3	-1.928	251100.	297500.	2.538	-.6642	-1.195	304800.	-2.784	-1.830	-2.873	4.466
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**301200.**	**3.099**	**303200.**	**-.8797**	**303000.**	**1.523**	**-3.401**	**4.797**	**-.0858**	**1.604**
Stddev	-----	1441.	23.77	1196.	.0565	5780.	.514	3.606	3.675	4.959	1.076
%RSD	-----	.4785	766.9	.3943	6.418	1.908	33.74	106.0	76.61	5782.	67.06
#1	^ -----	299700.	2.687	303400.	-.8788	296800.	1.975	-7.288	7.253	-4.964	1.316
#2	^ -----	302600.	-20.46	302000.	-.9366	308300.	1.629	-2.748	.5722	-.2430	2.795
#3	^ -----	301500.	27.07	304300.	-.8237	303900.	.9641	-.1654	6.566	4.950	.7018
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.063**	**2.390**	**-3.623**	**1.332**	**-9.310**	**-2.115**	**13.00**	**.1470**	**1.869**
Stddev	.271	.294	.521	.094	3.328	1.295	9.62	.6609	.306
%RSD	25.49	12.32	14.37	7.046	35.74	61.23	73.97	449.4	16.39
#1	-1.376	2.064	-3.325	1.421	-12.03	-2.191	2.277	-.5663	1.743
#2	-.8861	2.637	-4.224	1.234	-5.600	-3.370	20.86	.7384	2.218
#3	-.9288	2.468	-3.320	1.342	-10.30	-.7836	15.87	.2690	1.646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	22792.	37005.	24792.
Stddev	62.	119.	175.
%RSD	.27024	.32123	.70499
#1	22862.	36984.	24894.
#2	22746.	36898.	24892.
#3	22769.	37133.	24590.

Sample Name: AN03416X10 Acquired: 8/9/2011 12:41:22 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2275**	**8312.**	**8237.**	**43.17**	**136.9**	**-.1202**	**15850.**	**-.6418**	**28.28**	**84.45**	**390.0**
Stddev	.5327	25.	58.	2.76	.8	.0697	112.	.2267	.32	.73	1.3
%RSD	234.2	.3031	.7061	6.398	.5939	58.01	.7089	35.32	1.136	.8603	.3341
#1	.5470	8285.	8185.	46.31	136.3	-.1054	15770.	-.8479	28.62	84.70	388.9
#2	-.3874	8334.	8300.	41.10	137.8	-.0590	15980.	-.6785	28.26	83.63	389.5
#3	.5230	8319.	8227.	42.11	136.5	-.1961	15810.	-.3990	27.97	85.02	391.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62780.**	**65890.**	**1884.**	**15360.**	**562.6**	**1441.**	**196.6**	**373.2**	**4.484**	**1.103**	**-1.340**
Stddev	225.	231.	35.	104.	2.1	14.	1.0	3.0	3.622	2.598	.867
%RSD	.3588	.3508	1.880	.6773	.3762	.9545	.5155	.8150	80.79	235.5	64.69
#1	62590.	65820.	1859.	15290.	560.2	1457.	197.7	376.7	6.362	3.912	-.6616
#2	62730.	66150.	1925.	15480.	564.1	1435.	195.7	370.9	6.781	.6090	-2.317
#3	63030.	65710.	1868.	15310.	563.5	1431.	196.6	372.2	.3077	-1.212	-1.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31.43**	**1275.**	**27.93**	**552.7**	**28.42**	**3289.**	**3244.**	**76.47**	**55.88**
Stddev	.33	3.	.32	.3	.54	20.	29.	.61	.56
%RSD	1.053	.2202	1.136	.0496	1.898	.6170	.8820	.7937	1.007
#1	31.09	1277.	27.91	552.4	29.01	3267.	3212.	75.79	56.06
#2	31.75	1272.	27.62	553.0	27.94	3292.	3253.	76.96	56.34
#3	31.44	1276.	28.25	552.7	28.31	3308.	3268.	76.66	55.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**24713.**	**39730.**	**26043.**
Stddev	126.	345.	306.
%RSD	.51096	.86896	1.1758
#1	24570.	39956.	25981.
#2	24807.	39902.	25772.
#3	24764.	39333.	26375.

Sample Name: AN03418X10 Acquired: 8/9/2011 12:45:49 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5341	3568.	3614.	21.40	119.8	.0679	54010.	-.0379	25.67	52.31	938.9
Stddev	.4449	22.	16.	3.46	.2	.0191	123.	.1250	.14	.66	3.8
%RSD	83.29	.6066	.4454	16.16	.1853	28.20	.2274	329.6	.5426	1.266	.4039
#1	.0489	3569.	3630.	17.46	119.6	.0739	54080.	-.1323	25.78	52.16	940.3
#2	.6306	3546.	3613.	23.93	120.0	.0465	54080.	-.0854	25.52	51.74	934.6
#3	.9228	3589.	3598.	22.82	119.9	.0833	53870.	.1039	25.73	53.04	941.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	57820.	61740.	435.7	30660.	405.1	694.4	171.7	2912.	380.3	.2976	-1.727
Stddev	122.	80.	12.3	97.	1.0	12.9	.1	8.	5.6	3.664	1.470
%RSD	.2106	.1303	2.824	.3169	.2515	1.854	.0446	.2683	1.467	1231.	85.11
#1	57850.	61810.	423.2	30570.	405.8	706.7	171.7	2921.	374.7	2.016	-.6434
#2	57690.	61760.	447.8	30760.	403.9	695.6	171.7	2906.	385.9	2.786	-3.400
#3	57930.	61650.	435.9	30640.	405.5	681.1	171.8	2908.	380.3	-3.910	-1.137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	27.63	740.5	4.265	177.2	6.932	2590.	2590.	63.27	1937.
Stddev	.46	1.3	.126	.2	1.243	16.	15.	.48	1.
%RSD	1.676	.1724	2.950	.1312	17.93	.6087	.5623	.7531	.0517
#1	28.08	741.8	4.370	177.3	8.318	2596.	2588.	63.40	1936.
#2	27.66	739.3	4.126	176.9	5.918	2572.	2576.	63.66	1938.
#3	27.16	740.4	4.301	177.4	6.559	2602.	2605.	62.74	1936.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24415.	39973.	25411.
Stddev	11.	115.	175.
%RSD	.04461	.28831	.68835
#1	24416.	39863.	25213.
#2	24425.	40093.	25478.
#3	24404.	39962.	25543.

Sample Name: AN03421X10 Acquired: 8/9/2011 12:50:13 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0011	8672.	8873.	11.31	233.6	3.747	99840.	-.4490	40.48	120.3	986.8
Stddev	.3600	25.	78.	1.02	.4	.107	903.	.0599	.22	.3	1.6
%RSD	32160.	.2913	.8778	8.982	.1751	2.861	.9041	13.34	.5342	.2532	.1616
#1	.2111	8691.	8792.	11.82	233.1	3.647	98940.	-.4936	40.36	120.0	988.0
#2	-.4146	8683.	8880.	11.98	233.8	3.860	99830.	-.3809	40.34	120.6	985.0
#3	.2068	8644.	8948.	10.14	233.8	3.736	100700.	-.4723	40.73	120.2	987.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69700.	74990.	1829.	49550.	676.8	3315.	362.0	1159.	7.983	-.9325	-2.262
Stddev	302.	212.	24.	251.	3.9	14.	1.3	1.	2.392	1.286	1.236
%RSD	.4325	.2833	1.332	.5069	.5756	.4128	.3698	.0506	29.97	137.9	54.64
#1	69920.	74980.	1816.	49310.	680.3	3304.	360.5	1159.	9.597	-.0662	-.9000
#2	69350.	74780.	1857.	49520.	677.5	3330.	363.2	1160.	9.117	-2.410	-2.574
#3	69820.	75210.	1813.	49810.	672.6	3312.	362.3	1158.	5.234	-.3216	-3.312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28.76	2277.	24.02	568.6	70.66	7451.	7459.	135.7	218.8
Stddev	.26	7.	.60	1.6	1.39	45.	43.	.4	.7
%RSD	.9202	.2909	2.514	.2755	1.972	.6065	.5760	.2664	.3386
#1	28.45	2271.	23.41	570.1	71.85	7405.	7413.	135.6	218.1
#2	28.91	2274.	24.62	568.8	69.12	7453.	7463.	136.1	218.6
#3	28.91	2284.	24.04	567.0	71.00	7495.	7499.	135.4	219.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24649.	39931.	25631.
Stddev	82.	420.	366.
%RSD	.33308	1.0510	1.4286
#1	24577.	39503.	26010.
#2	24630.	39948.	25603.
#3	24738.	40342.	25279.

Sample Name: AN03423X10 Acquired: 8/9/2011 12:54:45 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6450**	**2803.**	**2828.**	**28.48**	**323.8**	**-.9656**	**2696.**	**.7141**	**12.19**	**28.88**	**2080.**
Stddev	.2526	9.	4.	.23	.5	.1641	7.	.1192	.18	.29	5.
%RSD	39.17	.3059	.1257	.7907	.1438	16.99	.2678	16.70	1.489	1.017	.2612
#1	.9123	2800.	2824.	28.67	324.4	-.9880	2704.	.8515	12.31	29.22	2080.
#2	.6124	2813.	2830.	28.23	323.7	-.7915	2695.	.6533	12.28	28.75	2086.
#3	.4102	2797.	2830.	28.55	323.5	-1.117	2690.	.6376	11.98	28.67	2075.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **89480.**	**98140.**	**167.0**	**675.8**	**447.5**	**1772.**	**32.85**	**8197.**	**428.6**	**-.6163**	**-1.821**
Stddev	438.	285.	35.4	6.3	.3	15.	.96	53.	3.8	.9185	.653
%RSD	.4899	.2905	21.18	.9294	.0729	.8415	2.924	.6502	.8770	149.0	35.87
#1	89950.	98140.	176.8	670.0	447.3	1757.	33.94	8244.	428.9	-.4043	-1.079
#2	89090.	98430.	127.8	682.5	447.3	1787.	32.47	8139.	424.6	-1.622	-2.071
#3	89400.	97860.	196.5	674.8	447.9	1772.	32.14	8208.	432.1	.1777	-2.312
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	76500.										
Low Limit	-500.0										

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.24**	**936.3**	**.1756**	**188.8**	**-2.642**	**1227.**	**1215.**	**38.25**	**565.4**
Stddev	.70	4.2	.1458	.2	.467	3.	22.	.68	2.1
%RSD	2.904	.4521	83.04	.0955	17.66	.2491	1.808	1.775	.3671
#1	23.53	940.4	.3438	188.8	-2.429	1228.	1223.	38.01	566.7
#2	24.93	931.9	.0863	189.0	-2.319	1230.	1232.	37.73	563.0
#3	24.26	936.6	.0966	188.7	-3.177	1224.	1190.	39.02	566.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**25433.**	**40800.**	**25599.**
Stddev	148.	256.	219.
%RSD	.58221	.62678	.85679
#1	25265.	40531.	25498.
#2	25544.	40828.	25449.
#3	25492.	41040.	25851.

Sample Name: AN03425X10 Acquired: 8/9/2011 12:59:13 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2652	9136.	9268.	26.03	169.2	-.9635	24550.	-.7178	17.29	47.83	459.2
Stddev	.1042	121.	48.	4.21	.7	.1180	158.	.3286	.16	.95	3.4
%RSD	39.29	1.320	.5188	16.19	.4418	12.25	.6453	45.78	.9349	1.993	.7462
#1	-.1652	9220.	9212.	26.76	168.4	-.9312	24390.	-.5735	17.45	48.43	462.8
#2	-.2574	9190.	9290.	21.50	169.2	-.8650	24540.	-1.094	17.13	48.32	458.9
#3	-.3731	8998.	9301.	29.84	169.9	-1.094	24710.	-.4861	17.30	46.73	456.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 89180.	98120.	849.2	2580.	563.7	2629.	38.45	7532.	32.20	-3.115	-2.074
Stddev	1477.	601.	11.3	10.	6.5	17.	.29	7.	2.22	4.085	.511
%RSD	1.656	.6125	1.328	.4030	1.145	.6449	.7516	.0884	6.904	131.1	24.63
#1	90150.	97650.	847.9	2570.	567.0	2616.	38.71	7539.	32.17	-.5752	-1.717
#2	89900.	97910.	861.0	2580.	567.8	2623.	38.14	7531.	29.99	-.9423	-2.659
#3	87480.	98800.	838.6	2591.	556.3	2648.	38.49	7526.	34.43	-7.827	-1.846
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	76500.										
Low Limit	-500.0										

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.59	431.9	3.004	382.6	2.683	1745.	1745.	139.4	89.63
Stddev	.53	.9	.311	3.0	.511	22.	11.	1.5	.89
%RSD	1.982	.2081	10.35	.7759	19.05	1.249	.6198	1.083	.9891
#1	26.84	430.9	3.031	385.1	2.670	1766.	1737.	139.5	88.66
#2	26.96	432.6	2.681	383.5	3.200	1747.	1757.	140.8	90.39
#3	25.99	432.0	3.300	379.4	2.178	1723.	1740.	137.8	89.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	25974.	41378.	25704.
Stddev	79.	752.	557.
%RSD	.30406	1.8177	2.1685
#1	25921.	40827.	26020.
#2	25936.	41071.	26031.
#3	26065.	42235.	25060.

Sample Name: AN03426X10 Acquired: 8/9/2011 13:03:41 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2737**	**5816.**	**5995.**	**33.31**	**232.0**	**.4249**	**14210.**	**1.327**	**53.63**	**131.6**
Stddev	.6551	39.	19.	1.06	.6	.1867	4.	.008	.17	1.0
%RSD	239.3	.6745	.3164	3.188	.2445	43.93	.0291	.6253	.3167	.7875
#1	-.9002	5861.	6014.	32.95	231.4	.4002	14220.	1.323	53.43	132.8
#2	-.3278	5794.	5976.	34.51	231.9	.6228	14210.	1.322	53.70	130.7
#3	.4067	5792.	5996.	32.48	232.6	.2519	14210.	1.337	53.75	131.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1023.**	**F 126800.**	**140200.**	**570.1**	**6261.**	**673.7**	**830.9**	**192.8**	**5456.**	**26.94**
Stddev	5.	1167.	3159.	36.1	45.	3.4	13.3	.3	29.	1.66
%RSD	.4764	.9203	2.253	6.337	.7225	.5039	1.595	.1647	.5292	6.176
#1	1029.	127600.	143800.	567.8	6209.	677.6	845.0	192.8	5423.	25.21
#2	1020.	125500.	138200.	535.2	6279.	671.4	818.8	192.5	5472.	28.53
#3	1021.	127400.	138600.	607.3	6294.	672.2	828.9	193.1	5473.	27.09
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4024**	**-1.922**	**48.52**	**2492.**	**9.315**	**309.5**	**26.98**	**3439.**	**3486.**	**49.79**
Stddev	4.223	1.062	.50	9.	.082	1.6	2.21	9.	7.	.65
%RSD	1049.	55.25	1.034	.3582	.8771	.5032	8.182	.2511	.2041	1.299
#1	3.605	-1.719	48.49	2482.	9.328	311.1	24.93	3448.	3478.	49.90
#2	1.986	-.9756	48.03	2495.	9.389	308.0	29.32	3430.	3488.	49.10
#3	-4.383	-3.070	49.03	2499.	9.228	309.6	26.71	3438.	3492.	50.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**89.31**
Stddev	.69
%RSD	.7698
#1	89.67
#2	88.51
#3	89.73
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**26325.**	**41724.**	**25511.**
Stddev	201.	236.	249.
%RSD	.76348	.56529	.97423
#1	26213.	41503.	25293.
#2	26205.	41973.	25459.
#3	26557.	41697.	25782.

Sample Name: AN03428X10 Acquired: 8/9/2011 13:08:15 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3862	3161.	3243.	40.79	286.4	-1.077	3628.	-.3168	16.38	37.61
Stddev	.3332	19.	19.	2.81	.6	.137	11.	.2097	.24	.22
%RSD	86.26	.5974	.5731	6.899	.2065	12.71	.3002	66.19	1.489	.5825
#1	-.1889	3175.	3240.	38.20	287.1	-1.212	3628.	-.4804	16.47	37.39
#2	-.7709	3169.	3226.	43.79	285.9	-1.082	3617.	-.3897	16.57	37.83
#3	-.1990	3140.	3263.	40.38	286.4	-.9382	3639.	-.0804	16.10	37.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2219.	F 154700.	177800.	260.7	1066.	494.2	767.7	50.52	4195.	26.67
Stddev	16.	754.	3309.	53.4	14.	2.0	19.5	.71	49.	4.07
%RSD	.7305	.4870	1.861	20.49	1.322	.3997	2.546	1.398	1.159	15.25
#1	2237.	155300.	181500.	206.2	1049.	492.1	764.8	50.75	4163.	31.07
#2	2214.	155100.	176500.	313.0	1073.	494.5	749.7	49.72	4171.	25.90
#3	2206.	153900.	175300.	262.8	1074.	496.1	788.5	51.08	4251.	23.05
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.766	-1.572	40.57	1312.	.1912	203.8	-1.887	1516.	1523.	39.29
Stddev	3.596	.642	.53	13.	.4397	.5	.778	3.	4.	.34
%RSD	203.6	40.82	1.314	.9784	229.9	.2663	41.25	.2303	.2898	.8670
#1	-1.641	-.8941	41.05	1301.	.4528	204.2	-2.310	1518.	1520.	39.19
#2	5.525	-2.170	40.65	1307.	-.3164	204.0	-2.362	1519.	1521.	39.67
#3	1.414	-1.651	40.00	1326.	.4373	203.2	-.9886	1512.	1528.	39.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	247.9
Stddev	1.4
%RSD	.5583
#1	247.2
#2	247.0
#3	249.5
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	26585.	40981.	24143.
Stddev	66.	173.	39.
%RSD	.24903	.42306	.16072
#1	26559.	40826.	24123.
#2	26660.	40948.	24188.
#3	26535.	41168.	24118.

Sample Name: AN03430X10 Acquired: 8/9/2011 13:12:51 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3348**	**9763.**	**10040.**	**24.50**	**227.9**	**-.6765**	**33350.**	**.4170**	**9.574**	**125.9**	**1718.**
Stddev	.2000	59.	39.	1.46	.4	.2045	170.	.1696	.172	.9	3.
%RSD	59.75	.6011	.3925	5.967	.1883	30.23	.5086	40.68	1.798	.6819	.1847
#1	.4348	9721.	10030.	24.14	227.8	-.8091	33330.	.4915	9.727	124.9	1714.
#2	.1045	9737.	10080.	26.11	228.4	-.7794	33540.	.5367	9.606	126.1	1720.
#3	.4650	9830.	10010.	23.25	227.6	-.4409	33200.	.2229	9.388	126.6	1719.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51830.**	**54210.**	**1326.**	**12610.**	**386.3**	**1133.**	**87.51**	**5186.**	**20.67**	**-3.520**	**-3.052**
Stddev	549.	163.	14.	45.	2.5	16.	.44	15.	2.44	3.805	.400
%RSD	1.058	.3005	1.045	.3539	.6474	1.452	.5070	.2904	11.78	108.1	13.11
#1	51920.	54310.	1311.	12590.	384.2	1114.	87.01	5187.	18.30	-4.405	-2.601
#2	51250.	54290.	1339.	12660.	385.7	1138.	87.73	5170.	20.55	.6491	-3.192
#3	52330.	54020.	1327.	12570.	389.1	1146.	87.81	5200.	23.16	-6.805	-3.363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27.27**	**711.4**	**2.453**	**501.6**	**19.26**	**4560.**	**4563.**	**114.1**	**238.2**
Stddev	.21	2.3	.043	1.7	.46	34.	22.	1.2	1.1
%RSD	.7866	.3182	1.771	.3424	2.367	.7394	.4729	1.092	.4805
#1	27.36	711.5	2.503	499.6	18.73	4523.	4538.	115.2	239.1
#2	27.43	709.1	2.435	502.2	19.49	4567.	4575.	112.7	238.5
#3	27.02	713.6	2.422	502.9	19.55	4589.	4576.	114.4	236.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**27505.**	**43209.**	**25574.**
Stddev	29.	477.	395.
%RSD	.10601	1.1032	1.5441
#1	27523.	43738.	25892.
#2	27520.	43075.	25132.
#3	27471.	42814.	25699.

Sample Name: AN03431X10 Acquired: 8/9/2011 13:17:16 Type: Unk
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.149**	**4165.**	**4280.**	**19.55**	**108.4**	**-1.178**	**8728.**	**5.601**	**18.67**	**41.33**
Stddev	.196	7.	30.	2.20	.8	.040	31.	.124	.18	.79
%RSD	17.02	.1618	.7000	11.26	.7255	3.418	.3522	2.216	.9551	1.905
#1	.9263	4172.	4307.	21.48	108.8	-1.217	8759.	5.626	18.87	40.98
#2	1.226	4159.	4287.	20.02	108.8	-1.137	8727.	5.466	18.56	40.79
#3	1.294	4165.	4248.	17.15	107.5	-1.180	8698.	5.710	18.57	42.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7630.**	**F 120800.**	**136300.**	**365.9**	**2722.**	**959.8**	**590.1**	**73.74**	**2706.**	**20.26**
Stddev	29.	2466.	1333.	49.0	24.	1.3	12.8	.28	14.	2.29
%RSD	.3786	2.041	.9775	13.40	.8949	.1334	2.165	.3749	.5103	11.32
#1	7621.	123200.	137900.	310.0	2734.	959.1	576.0	73.51	2716.	22.81
#2	7662.	121000.	135600.	401.4	2694.	959.1	600.9	74.05	2713.	18.37
#3	7606.	118300.	135600.	386.4	2737.	961.3	593.5	73.66	2691.	19.60
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.792**	**-2.497**	**28.92**	**6524.**	**-.0217**	**272.3**	**-5.840**	**1631.**	**1647.**	**42.94**
Stddev	.912	.886	.40	14.	.6599	.7	.836	4.	2.	.39
%RSD	50.91	35.50	1.371	.2125	3047.	.2388	14.31	.2206	.1315	.9180
#1	1.404	-2.460	29.20	6527.	.1222	272.8	-5.231	1632.	1647.	43.39
#2	2.834	-3.401	28.46	6536.	-.7416	272.4	-6.793	1634.	1645.	42.76
#3	1.138	-1.630	29.09	6509.	.5545	271.6	-5.497	1627.	1650.	42.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**454.5**
Stddev	1.0
%RSD	.2124
#1	455.2
#2	454.9
#3	453.4
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**26674.**	**41514.**	**24393.**
Stddev	73.	259.	284.
%RSD	.27181	.62349	1.1647
#1	26593.	41236.	24337.
#2	26693.	41558.	24701.
#3	26734.	41748.	24141.

Sample Name: CCV Acquired: 8/9/2011 13:21:58 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**195.4**	**4744.**	**4886.**	**200.9**	**193.9**	**189.0**	**5166.**	**201.7**	**192.2**	**210.2**	**200.3**
Stddev	.5	30.	15.	2.0	.6	1.3	23.	.3	.5	1.4	.7
%RSD	.2459	.6415	.2977	.9773	.3277	.6733	.4543	.1284	.2813	.6640	.3472
#1	194.9	4720.	4898.	203.0	194.4	189.6	5174.	201.8	191.6	208.9	200.9
#2	195.5	4734.	4890.	200.4	194.0	187.5	5184.	202.0	192.7	210.1	199.5
#3	195.9	4778.	4870.	199.2	193.2	189.7	5139.	201.5	192.3	211.7	200.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5234.**	**5148.**	**5050.**	**5189.**	**210.1**	**5056.**	**197.2**	**199.4**	**192.3**	**194.5**	**194.7**
Stddev	21.	17.	47.	38.	1.7	33.	.6	1.5	1.5	3.7	.1
%RSD	.3919	.3211	.9388	.7404	.7962	.6449	.3037	.7607	.7599	1.908	.0517
#1	5213.	5162.	5076.	5210.	208.4	5090.	196.8	199.2	193.4	192.1	194.6
#2	5236.	5130.	4995.	5145.	210.1	5025.	197.0	201.0	190.7	198.8	194.8
#3	5254.	5152.	5078.	5212.	211.7	5053.	197.9	198.0	193.0	192.7	194.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.7**	**205.0**	**193.8**	**199.1**	**184.5**	**5001.**	**5053.**	**206.9**	**203.2**
Stddev	1.6	.9	.5	1.2	1.8	22.	10.	.6	.7
%RSD	.8106	.4578	.2462	.5829	.9662	.4300	.1997	.3094	.3337
#1	198.3	204.1	193.3	198.1	185.1	4990.	5042.	206.4	203.0
#2	197.3	206.0	194.1	198.9	185.8	4987.	5061.	206.7	202.6
#3	200.5	204.9	194.1	200.4	182.4	5026.	5057.	207.6	203.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**26367.**	**41103.**	**24346.**
Stddev	106.	324.	95.
%RSD	.40144	.78879	.39138
#1	26257.	41477.	24395.
#2	26378.	40939.	24236.
#3	26468.	40894.	24407.

Sample Name: CCB Acquired: 8/9/2011 13:26:10 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1077	-1.832	8.048	3.859	-.9053	-1.207	3.460	-1.026	-1.096	-.7451	-1.720
Stddev	.6938	1.295	12.82	2.174	.1461	.088	2.417	.100	.180	.5046	.192
%RSD	644.1	70.68	159.3	56.34	16.14	7.336	69.86	9.742	16.41	67.72	11.15
#1	.8997	-.5746	1.454	1.493	-1.005	-1.200	5.181	-.9594	-1.257	-1.306	-1.885
#2	-.1837	-1.761	22.82	4.314	-.9736	-1.122	4.503	-1.141	-1.128	-.3280	-1.510
#3	-.3929	-3.162	-.1304	5.769	-.7375	-1.298	.6965	-.9774	-.9021	-.6013	-1.766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.523	3.846	-59.27	-1.240	-1.096	8.985	-.9176	-.9528	-.5198	.5969	-1.925
Stddev	.222	3.135	40.79	24.08	.056	9.907	.5223	1.939	3.915	1.911	.968
%RSD	8.790	81.51	68.82	1941.	5.089	110.3	56.92	203.5	753.2	320.1	50.28
#1	2.718	1.993	-65.63	-.1391	-1.047	20.01	-.3460	-1.890	3.470	-.4368	-1.094
#2	2.570	2.080	-15.67	22.27	-1.084	6.117	-1.037	-2.245	-4.354	-.5742	-1.694
#3	2.282	7.466	-96.50	-25.85	-1.156	.8281	-1.370	1.277	-.6757	2.802	-2.987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.186	-.9520	-1.607	-1.058	F -10.35	-4.377	.7367	-.5544	-.4863
Stddev	.253	.1154	.400	.205	.66	2.083	9.796	.0957	.5591
%RSD	21.30	12.12	24.91	19.39	6.337	47.59	1330.	17.26	115.0
#1	-1.055	-.8206	-1.404	-.8511	-9.649	-2.043	-6.001	-.6202	.1283
#2	-1.478	-.9985	-1.349	-1.261	-10.95	-6.047	11.97	-.4447	-.6222
#3	-1.027	-1.037	-2.068	-1.061	-10.45	-5.041	-3.762	-.5984	-.9649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					10.00				
Low Limit					-10.00				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	26666.	40824.	24664.
Stddev	48.	207.	170.
%RSD	.17984	.50742	.68887
#1	26622.	40604.	24858.
#2	26717.	41015.	24544.
#3	26658.	40854.	24589.

Sample Name: RL Acquired: 8/9/2011 13:30:35 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.879**	**103.9**	**98.28**	F **12.73**	**98.43**	F **1.797**	**511.1**	F **2.006**	**19.29**	**3.909**	**9.817**
Stddev	.254	.5	11.52	1.27	.34	.181	4.9	.018	.03	.355	.291
%RSD	5.201	.5156	11.72	9.931	.3474	10.05	.9522	.9096	.1426	9.083	2.962
#1	4.818	103.3	108.7	13.38	98.05	1.595	513.3	1.999	19.29	3.722	9.846
#2	5.158	104.4	85.91	13.54	98.54	1.852	514.5	1.992	19.26	3.688	9.512
#3	4.661	103.9	100.2	11.28	98.71	1.944	505.5	2.026	19.31	4.319	10.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				8.000		3.000		3.000			
Range				30.00%		-30.00%		-30.00%			

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.93**	**51.88**	**497.3**	**512.7**	**4.311**	**1030.**	**18.90**	**5.726**	**18.45**	**18.91**	**17.27**
Stddev	.24	1.93	38.3	6.6	.021	7.	.34	.069	1.49	3.17	.56
%RSD	.4908	3.726	7.706	1.278	.4767	.6520	1.811	1.206	8.103	16.79	3.225
#1	48.87	51.69	496.9	505.2	4.335	1023.	19.22	5.806	19.74	22.46	17.89
#2	49.20	53.90	535.7	517.5	4.297	1034.	18.54	5.689	18.81	17.94	16.82
#3	48.73	50.05	459.1	515.3	4.301	1034.	18.93	5.684	16.81	16.34	17.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.79**	**21.76**	**8.172**	**9.172**	F **-1.334**	**509.5**	**507.9**	**9.498**	**10.40**
Stddev	.44	.18	.402	.070	.647	5.2	10.7	.153	.77
%RSD	2.355	.8408	4.914	.7605	48.49	1.021	2.105	1.606	7.451
#1	18.32	21.95	8.127	9.223	-.7706	506.1	515.4	9.323	9.639
#2	18.83	21.74	8.593	9.200	-1.190	507.0	495.7	9.597	10.37
#3	19.21	21.58	7.794	9.092	-2.040	515.5	512.7	9.575	11.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.10.00				
Range					-30.00%				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**26413.**	**41667.**	**25383.**
Stddev	155.	439.	169.
%RSD	.58681	1.0528	.66665
#1	26490.	42139.	25569.
#2	26514.	41271.	25240.
#3	26234.	41592.	25339.

Sample Name: 2RL Acquired: 8/9/2011 13:35:00 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.942**	**201.5**	**216.8**	**20.75**	**197.0**	F **4.669**	**1021.**	**5.170**	**39.28**	**9.514**	**20.12**
Stddev	1.339	1.0	4.1	.75	1.3	.173	7.	.181	.33	.138	.25
%RSD	13.47	.4785	1.868	3.598	.6750	3.700	.6941	3.505	.8309	1.445	1.235
#1	10.10	202.1	221.2	21.52	197.7	4.636	1021.	4.985	38.97	9.514	19.86
#2	11.19	202.1	213.2	20.03	197.8	4.515	1028.	5.178	39.25	9.651	20.14
#3	8.530	200.4	216.0	20.71	195.4	4.856	1014.	5.347	39.62	9.376	20.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						6.000					
Range						-20.00%					

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**102.5**	**103.4**	**966.7**	**1035.**	**9.806**	**2023.**	**39.03**	**16.66**	**39.35**	**42.26**	**39.37**
Stddev	.5	2.4	17.4	19.	.012	27.	.03	2.26	1.19	2.33	.72
%RSD	.4648	2.302	1.796	1.803	.1168	1.321	.0854	13.56	3.011	5.508	1.819
#1	102.1	105.0	986.7	1038.	9.796	2037.	39.06	19.27	38.70	40.90	40.19
#2	103.0	100.7	956.1	1052.	9.804	2039.	39.03	15.25	40.71	44.95	38.86
#3	102.3	104.6	957.1	1015.	9.818	1992.	38.99	15.47	38.63	40.93	39.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39.67**	**44.75**	**18.57**	**19.52**	F **9.586**	**1029.**	**1016.**	**20.07**	**21.16**
Stddev	.41	.35	.28	.27	.722	5.	22.	.89	1.26
%RSD	1.040	.7816	1.495	1.364	7.527	.4664	2.163	4.413	5.949
#1	39.66	44.39	18.35	19.41	9.574	1035.	1038.	20.74	22.07
#2	39.27	44.77	18.88	19.32	10.31	1027.	1015.	20.41	21.69
#3	40.09	45.08	18.48	19.82	8.870	1026.	994.0	19.07	19.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					20.00				
Range					-30.00%				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**26123.**	**40696.**	**24432.**
Stddev	202.	351.	231.
%RSD	.77497	.86338	.94479
#1	26063.	40298.	24455.
#2	26349.	40825.	24191.
#3	25957.	40964.	24651.

Sample Name: IOS Acquired: 8/9/2011 13:39:23 Type: QC
Method: PT_MET(v96) Mode: CONC Corr. Factor: 1.000000
User: fxu Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.502	^F *****	296900.	2.393	-1.172	-1.558	304300.	F -3.343	-1.842	-3.090	4.285
Stddev	.184	----	828.	3.782	.270	.088	600.	.139	.198	.343	.668
%RSD	12.22	----	.2789	158.0	23.00	5.646	.1972	4.169	10.77	11.10	15.58
#1	-1.351	^ ----	296800.	6.673	-1.427	-1.498	304500.	-3.296	-2.027	-2.913	3.883
#2	-1.448	^ ----	296000.	.9988	-1.199	-1.659	304800.	-3.500	-1.632	-3.486	5.056
#3	-1.706	^ ----	297700.	-.4938	-.8900	-1.517	303600.	-3.233	-1.865	-2.872	3.916
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.						3.000			
Low Limit		240000.						-3.000			

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	303800.	6.285	305700.	-.9873	294200.	1.813	-3.660	6.326	-1.359	.0590
Stddev	-----	3129.	11.20	745.	.0700	3463.	.025	1.325	.913	7.310	1.107
%RSD	-----	1.030	178.1	.2435	7.090	1.177	1.358	36.20	14.43	537.8	1877.
#1	^ -----	300600.	6.852	305900.	-.9184	292400.	1.830	-3.000	6.364	6.959	.2184
#2	^ -----	306800.	17.19	304900.	-1.058	298200.	1.785	-2.795	7.219	-6.761	-1.119
#3	^ -----	303900.	-5.184	306300.	-.9851	292100.	1.824	-5.186	5.395	-4.275	1.078
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.566	2.538	-3.538	1.219	F -13.02	-3.292	31.46	.2910	.6520
Stddev	.421	.255	.288	.170	2.01	1.022	.60	.7282	1.648
%RSD	26.87	10.06	8.149	13.92	15.42	31.04	1.897	250.2	252.8
#1	-1.614	2.244	-3.734	1.378	-10.71	-3.392	31.24	1.131	-.1386
#2	-1.960	2.676	-3.673	1.041	-14.09	-4.261	31.01	-.1689	2.547
#3	-1.123	2.695	-3.207	1.239	-14.28	-2.224	32.14	-.0886	-.4518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					10.00				
Low Limit					-10.00				

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	24456.	39336.	25281.
Stddev	113.	244.	125.
%RSD	.46204	.62024	.49456
#1	24335.	39147.	25421.
#2	24559.	39612.	25180.
#3	24475.	39249.	25242.

ICP-AES QA/QC CHECKLIST

Project Name: Jewett White Project No.: 11070033

Date(s) of Sample Analysis: 8/11/11 Date(s) of Sample Prep.: 8/9/11, 8/10/11

Preparer(s): F. Xu Analyst(s): F. Xu

(Circle) Matrix: (Aqueous) (Solid) Sludge Oil Other

PREP: EPA-SOP-C-116 (rev# 2.2) ANALYSIS: EPA-SOP-C-109 (rev# 3.1) Instrument: ICAP 6300 Duo (Serial #: 20074301)

I. INSTRUMENT SPECIFIC QC: (Elements of interest: TAL Metals)	YES	NO	N/A
A. Analysis performed within holding time of 6 months?	✓		
B. At least a two point standardization performed?	✓		
C. ICV run immediately after calibration?	✓		
D. ICV ± 10% for each element of interest?	✓		
E. % RSD of the 3 ICV replicates < 20%?	✓		
F. ICB < the Reporting Limit for all elements of interest?	✓		
G. RLs (IPC Low Level) within control limits (±30%RL)?	✓		
H. IOS concentrations within ± 20% of the T.V. for all Spiked elements?	✓		
I. IOS concentrations < Reporting Limit for all Non-Spiked elements?	✓		
J. CCV / CCB run at a maximum of 10 samples?	✓		
K. CCVs within ± 20% of the T.V. for non-NPDES projects (± 10% for NPDES)?	✓		
L. CCBs < the Reporting Limit for all elements of interest?	✓		
II. DIGESTION BATCH QC: (for the elements of interest stated above)			
A. Prep Blank < Reporting Limit for all elements of interest?	✓		
B. Avg. % Recovery of 2 Aqueous LCSs within ± 20% of T.V. for all elements of interest? (± 25% for Solid LCSs or within control limits)	✓		
C. RPD of the 2 LCSs < 20% for all elements of interest? (± 25% for Solid LCSs)?	✓		
D. % Recovery of the Matrix Spike ± 20% for all elements of interest? (± 25% for Solid)?		✓	
E. Was the % Difference between the MS and the Serial Dilution within ± 10.0 %?		✓	
F. Thallium results < Reporting Limit for all non-spiked samples in this particular project	✓		
G. For samples with results > Reporting Limit, was the % RSD < 20%?	✓		
H. Any QA/QC qualifiers? If YES (explain on next page)	✓		
I. Are the following QA/QC summary sheets included? Manual Calculation? ICV, ICB, RLs, 2RLs, IOSs, CCVs, CCBs, Prep Blanks, LCSs, MSs and SDLs?	✓		

Completed By: [signature] Date: 8/30/11

Peer Review: [signature] Date: 10/11/11

QUALIFIERS and SPECIAL COMMENTS

Project Name: JEWETT WHITE LEAD

Project # 11070033

Nine (9) soil samples (AN03572 – 3580) and one (1) Aqueous sample (AN03581) were analyzed for TAL Metals by ICP-AES on 08/11/11.

Note: The nine solid samples were already received dried and hence their reported results are based on the assumed 100% solids.

QC#1
The percent recoveries of the Matrix Spike (AN03573 MS) were outside the control limits of 75 - 125% for **Al, Ba, Ca, Cr, Cu, Fe, K, Mg, Mn, Ni, Pb, V, & Zn**. However, since the concentrations of **Al, Ba, Ca, Cr, Cu, Fe, K, Mg, Mn, Ni, Pb, V, & Zn** in the original un-spike sample were greater than 1X spike levels, the QC qualifiers associated with these analytes were considered not applicable (N/A).

QC#2
The % Differences between the Matrix Spike (AN03581MS) and the Serial Dilution (AN03581SDL) were greater than the upper acceptance limit of +10% for **K** and **Na**. Since the concentrations of **K** and **Na** in the non-spiked sample are less than RL, these elements were considered estimated and qualified with a **"UJ"**.
"UJ" → K, Na → AN03581

ICAP 6300 QC ICV/ICB - ug/L

ELEMENT	TRUE VALUE	ICV	%REC	FLAG	REP. LIMIT	ICB	FLAG
	ug/L	11 Aug 2011			ug/L	11 Aug 2011	
		14:00:42				14:04:35	
Ag3280	200	198.2	99.1	PASS	5	0.0043	PASS
Al3082A	5000	4916	98.3	PASS	100	-2.342	PASS
Al3082R	5000	4850	97.0	PASS	100	10.25	PASS
As1890	200	197.8	98.9	PASS	8	-2.278	PASS
Ba4554R	200	197.6	98.8	PASS	100	-0.1154	PASS
Be3131R	200	197.8	98.9	PASS	3	-0.2452	PASS
Ca3179R	5000	5031	100.6	PASS	500	-9.222	PASS
Cd2265	200	200.5	100.3	PASS	3	-0.0289	PASS
Co2286	200	196.4	98.2	PASS	20	0.2739	PASS
Cr2677	200	209.5	104.8	PASS	5	-0.1974	PASS
Cu3247	200	211.7	105.9	PASS	5	0.496	PASS
Fe2599A	5000	5147	102.9	PASS	50	-5.208	PASS
Fe2599R	5000	5066	101.3	PASS	50	-6.726	PASS
K_7664R	5000	5153	103.1	PASS	500	-42.87	PASS
Mg2790R	5000	5041	100.8	PASS	500	6.157	PASS
Mn2576	200	210	105.0	PASS	5	0.1589	PASS
Na5895R	5000	4976	99.5	PASS	1000	-169.7	PASS
Ni2316	200	199.6	99.8	PASS	20	0.4148	PASS
Pb2203	200	201.2	100.6	PASS	8	0.9968	PASS
Sb2068	200	196.2	98.1	PASS	20	-1.306	PASS
Se1960	200	197.6	98.8	PASS	20	-1.168	PASS
Tl1908	200	201.8	100.9	PASS	20	-0.3892	PASS
V_2924	200	202.3	101.2	PASS	20	0.3616	PASS
Zn2062	200	197	98.5	PASS	20	-1.096	PASS
Mo2020	200	203.2	101.6	PASS	10	0.4108	PASS
Ti3372	200	202.9	101.5	PASS	10	0.1481	PASS
B_2089	200	211.9	106.0	PASS	10	2.718	PASS
Si2881A	5000	5017	100.3	PASS	500	3.375	PASS
Si2881R	5000	4998	100.0	PASS	500	12.87	PASS
Sr3464	200	205.6	102.8	PASS	10	-0.5224	PASS
Sn1899	200	201.4	100.7	PASS	10	-0.2179	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		RL START	%REC	FLAG	RL END	%REC	FLAG
	ug/L	ug/L	ug/L	11 Aug 2011			11 Aug 2011		
				14:08:36			18:06:17		
Ag3280	5	3.5	6.5	5.468	109.4	PASS	5.606	112.1	PASS
Al3082A	100	70.0	130	111.6	111.6	PASS	109.3	109.3	PASS
Al3082R	100	70.0	130	95.11	95.1	PASS	84.32	84.3	PASS
As1890	8	5.6	10.4	7.169	89.6	PASS	6.857	85.7	PASS
Ba4554R	100	70.0	130	100.9	100.9	PASS	103.3	103.3	PASS
Be3131R	3	2.1	3.9	2.656	88.5	PASS	2.563	85.4	PASS
Ca3179R	500	350	650	502	100.4	PASS	502	100.4	PASS
Cd2265	3	2.1	3.9	2.401	80.0	PASS	2.54	84.7	PASS
Co2286	20	14.0	26.0	20.05	100.3	PASS	20.56	102.8	PASS
Cr2677	5	3.5	6.5	5.726	114.5	PASS	5.686	113.7	PASS
Cu3247	10	7.0	13.0	11.72	117.2	PASS	11.23	112.3	PASS
Fe2599A	50	35.0	65.0	45.46	90.9	PASS	46.35	92.7	PASS
Fe2599R	50	35.0	65.0	42.33	84.7	PASS	43.81	87.6	PASS
K_7664R	500	350	650	496.3	99.3	PASS	424.7	84.9	PASS
Mg2790R	500	350	650	505.7	101.1	PASS	523.1	104.6	PASS
Mn2576	5	3.5	6.5	5.19	103.8	PASS	5.234	104.7	PASS
Na5895R	1000	700	1300	890.8	89.1	PASS	876.9	87.7	PASS
Ni2316	20	14.0	26.0	19.33	96.7	PASS	20.54	102.7	PASS
Pb2203	8	5.6	10.4	8.663	108.3	PASS	8.886	111.1	PASS
Sb2068	20	14.0	26.0	15.47	77.4	PASS	17.71	88.6	PASS
Se1960	20	14.0	26.0	19.66	98.3	PASS	18.91	94.6	PASS
Tl1908	20	14.0	26.0	21.87	109.4	PASS	19.14	95.7	PASS
V_2924	20	14.0	26.0	19.83	99.2	PASS	19.73	98.7	PASS
Zn2062	20	14.0	26.0	20.29	101.5	PASS	21.65	108.3	PASS
Mo2020	10	7.0	13.0	10.04	100.4	PASS	10.3	103.0	PASS
Ti3372	10	7.0	13.0	10.18	101.8	PASS	10.23	102.3	PASS
B_2089	10	7.0	13.0	12.51	125.1	PASS	9.514	95.1	PASS
Si2881A	500	350	650	526.2	105.2	PASS	523.1	104.6	PASS
Si2881R	500	350	650	539.4	107.9	PASS	558.8	111.8	PASS
Sr3464	10	7.0	13.0	9.675	96.8	PASS	8.73	87.3	PASS
Sn1899	10	7.0	13.0	9.337	93.4	PASS	10.1	101.0	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC 2RL - ug/L

ELEMENT	TRUE VALUE	ACCEPTANCE LIMITS		2RL START	%REC	FLAG	2RL END	%REC	FLAG
	ug/L	ug/L	ug/L	11 Aug 2011			11 Aug 2011		
				14:12:37			18:10:18		
Ag3280	10	7.0	13.0	10.32	103.2	PASS	11.14	111.4	PASS
Al3082A	200	140	260	211.4	105.7	PASS	210.5	105.3	PASS
Al3082R	200	140	260	201.4	100.7	PASS	200.8	100.4	PASS
As1890	16	11.2	20.8	14.45	90.3	PASS	17.31	108.2	PASS
Ba4554R	200	140	260	200.3	100.2	PASS	206.8	103.4	PASS
Be3131R	6	4.2	7.8	5.918	98.6	PASS	5.644	94.1	PASS
Ca3179R	1000	700	1300	1005	100.5	PASS	1025	102.5	PASS
Cd2265	6	4.2	7.8	5.197	86.6	PASS	5.8	96.7	PASS
Co2286	40	28.0	52.0	40.31	100.8	PASS	41.33	103.3	PASS
Cr2677	10	7.0	13.0	11	110.0	PASS	11.33	113.3	PASS
Cu3247	20	16.0	24	22.37	111.9	PASS	22.15	110.8	PASS
Fe2599A	100	70.0	130	97.51	97.5	PASS	100.7	100.7	PASS
Fe2599R	100	70.0	130	96.26	96.3	PASS	97.95	98.0	PASS
K_7664R	1000	700	1300	963.7	96.4	PASS	889	88.9	PASS
Mg2790R	1000	700	1300	1013	101.3	PASS	1030	103.0	PASS
Mn2576	10	7.0	13.0	10.59	105.9	PASS	10.7	107.0	PASS
Na5895R	2000	1400	2600	1898	94.9	PASS	1980	99.0	PASS
Ni2316	40	28.0	52.0	40.21	100.5	PASS	40.79	102.0	PASS
Pb2203	16	11.2	20.8	16.8	105.0	PASS	16.88	105.5	PASS
Sb2068	40	28.0	52.0	37.85	94.6	PASS	36.97	92.4	PASS
Se1960	40	28.0	52.0	36.87	92.2	PASS	41.8	104.5	PASS
Tl1908	40	28.0	52.0	38.91	97.3	PASS	39.64	99.1	PASS
V_2924	40	28.0	52.0	40.95	102.4	PASS	40.94	102.4	PASS
Zn2062	40	28.0	52.0	41.63	104.1	PASS	45.01	112.5	PASS
Mo2020	20	14.0	26.0	20.67	103.4	PASS	20.45	102.3	PASS
Ti3372	20	14.0	26.0	20.62	103.1	PASS	23.49	117.5	PASS
B_2089	20	14.0	26.0	22.25	111.3	PASS	18.86	94.3	PASS
Si2881A	1000	700	1300	1044	104.4	PASS	1044	104.4	PASS
Si2881R	1000	700	1300	1057	105.7	PASS	1070	107.0	PASS
Sr3464	20	14.0	26.0	19.71	98.6	PASS	19.84	99.2	PASS
Sn1899	20	14.0	26.0	20.27	101.4	PASS	21.47	107.4	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC IOS - ug/L

ELEMENT	TRUE VALUE	LOWER LIMIT	UPPER LIMIT	IOS START	%REC	FLAG	IOS END	%REC	FLAG	COMMENTS
	ug/L	ug/L	ug/L	11 Aug 2011			11 Aug 2011			
				14:16:37			18:14:17			
Ag3280	0	-5.0	5.0	0.5645		PASS	0.6924		PASS	
Al3082A	300000	200000	300000	^F *****	*N/A	*N/A	^F *****	*N/A	*N/A	switch to radial
Al3082R	300000	200000	300000	306100	102.0	PASS	309700	103.2	PASS	
As1890	0	-8.0	8.0	0.7716		PASS	-0.8524		PASS	
Ba4554R	0	-100	100	-0.3158		PASS	0.2672		PASS	
Be3131R	0	-3.0	3.0	-0.0289		PASS	0.0432		PASS	
Ca3179R	300000	200000	300000	290200	96.7	PASS	291000	97.0	PASS	
Cd2265	0	-3.0	3.0	-2.399		PASS	-2.569		PASS	
Co2286	0	-20.0	20.0	-1.013		PASS	-1.191		PASS	
Cr2677	0	-5.0	5.0	0.6772		PASS	1.124		PASS	
Cu3247	0	-5.0	5.0	2.419		PASS	1.974		PASS	
Fe2599A	300000	200000	300000	^ *****	*N/A	*N/A	^ *****	#VALUE!	*N/A	switch to radial
Fe2599R	300000	200000	300000	281000	93.7	PASS	286500	95.5	PASS	
K_7664R	0	-500	500	327.6		PASS	106.1		PASS	
Mg2790R	300000	200000	300000	290800	96.9	PASS	293800	97.9	PASS	
Mn2576	0	-5.0	5.0	-0.4984		PASS	-0.5838		PASS	
Na5895R	300000	200000	300000	302200	100.7	PASS	317600	105.9	PASS	
Ni2316	0	-20.0	20.0	-3.071		PASS	-3.816		PASS	
Pb2203	0	-8.0	8.0	0.8366		PASS	-1.292		PASS	
Sb2068	0	-20.0	20.0	3.758		PASS	-0.6588		PASS	
Se1960	0	-20.0	20.0	14.98		PASS	11.8		PASS	
Tl1908	0	-20.0	20.0	2.289		PASS	0.5493		PASS	
V_2924	0	-20.0	20.0	-1.428		PASS	-1.795		PASS	
Zn2062	0	-20.0	20.0	1.511		PASS	2.234		PASS	
Mo2020	0	-10.0	10.0	-2.38		PASS	-2.497		PASS	
Ti3372	0	-10.0	10.0	1.573		PASS	1.221		PASS	
B_2089	0	-10.0	10.0	0.3477		PASS	-2.012		PASS	
Si2881A	0	-500	500	-9.488		PASS	-8.055		PASS	
Si2881R	0	-500	500	64.63		PASS	52.33		PASS	
Sr3464	0	-10.0	10.0	0.0996		PASS	0.6879		PASS	
Sn1899	0	-10.0	10.0	1.827		PASS	0.9425		PASS	

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-1 / CCB-1 (ug/L)

ELEMENT	TRUE VALUE	CCV-1	%REC	FLAG	REP. LIMIT	CCB-1	FLAG
	ug/L	11 Aug 2011			ug/L	11 Aug 2011	
		15:04:23				15:08:13	
Ag3280	200	201.3	100.7	PASS	5	0.1295	PASS
Al3082A	5000	5093	101.9	PASS	100	1.521	PASS
Al3082R	5000	4972	99.4	PASS	100	-11.83	PASS
As1890	200	198.2	99.1	PASS	8	-0.3211	PASS
Ba4554R	200	200.4	100.2	PASS	100	0.3348	PASS
Be3131R	200	194.8	97.4	PASS	3	-0.698	PASS
Ca3179R	5000	5171	103.4	PASS	500	-0.3976	PASS
Cd2265	200	205.5	102.8	PASS	3	-0.6333	PASS
Co2286	200	198.5	99.3	PASS	20	-0.195	PASS
Cr2677	200	211.8	105.9	PASS	5	-0.4311	PASS
Cu3247	200	211.1	105.6	PASS	5	0.3072	PASS
Fe2599A	5000	5405	108.1	PASS	50	31.96	PASS
Fe2599R	5000	5272	105.4	PASS	50	33.12	PASS
K_7664R	5000	5257	105.1	PASS	500	-93.22	PASS
Mg2790R	5000	5151	103.0	PASS	500	-8.669	PASS
Mn2576	200	212.5	106.3	PASS	5	-0.1722	PASS
Na5895R	5000	5045	100.9	PASS	1000	-205.2	PASS
Ni2316	200	201.8	100.9	PASS	20	0.4509	PASS
Pb2203	200	206.6	103.3	PASS	8	1.888	PASS
Sb2068	200	199.1	99.6	PASS	20	-3.799	PASS
Se1960	200	202.1	101.1	PASS	20	-4.284	PASS
Tl1908	200	202.8	101.4	PASS	20	0.1016	PASS
V_2924	200	203.2	101.6	PASS	20	-0.5645	PASS
Zn2062	200	204.3	102.2	PASS	20	-1.109	PASS
Mo2020	200	203	101.5	PASS	10	-0.6241	PASS
Ti3372	200	204.5	102.3	PASS	10	-0.0117	PASS
B_2089	200	203.6	101.8	PASS	10	-1.442	PASS
Si2881A	5000	5147	102.9	PASS	500	5.961	PASS
Si2881R	5000	5094	101.9	PASS	500	37.1	PASS
Sr3464	200	209.5	104.8	PASS	10	-0.9307	PASS
Sn1899	200	205.9	103.0	PASS	10	-0.7213	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-2 / CCB-2 (ug/L)

ELEMENT	TRUE VALUE	CCV-2	%REC	FLAG	REP. LIMIT	CCB-2	FLAG
	ug/L	11 Aug 2011			ug/L	11 Aug 2011	
		15:56:43				16:00:33	
Ag3280	200	202	101.0	PASS	5	-0.1029	PASS
Al3082A	5000	5171	103.4	PASS	100	-0.8603	PASS
Al3082R	5000	5003	100.1	PASS	100	2.889	PASS
As1890	200	204.1	102.1	PASS	8	-0.1498	PASS
Ba4554R	200	202.1	101.1	PASS	100	0.916	PASS
Be3131R	200	192.4	96.2	PASS	3	-0.042	PASS
Ca3179R	5000	5203	104.1	PASS	500	-3.476	PASS
Cd2265	200	208.4	104.2	PASS	3	-0.4796	PASS
Co2286	200	200.4	100.2	PASS	20	-0.2059	PASS
Cr2677	200	212.5	106.3	PASS	5	-0.1445	PASS
Cu3247	200	210.4	105.2	PASS	5	-0.2202	PASS
Fe2599A	5000	5401	108.0	PASS	50	9.323	PASS
Fe2599R	5000	5254	105.1	PASS	50	10.78	PASS
K_7664R	5000	5356	107.1	PASS	500	-110.2	PASS
Mg2790R	5000	5205	104.1	PASS	500	26.65	PASS
Mn2576	200	212.8	106.4	PASS	5	-0.1703	PASS
Na5895R	5000	5106	102.1	PASS	1000	-193	PASS
Ni2316	200	204.3	102.2	PASS	20	0.0658	PASS
Pb2203	200	211.5	105.8	PASS	8	2.129	PASS
Sb2068	200	199.7	99.9	PASS	20	-4.552	PASS
Se1960	200	202.5	101.3	PASS	20	-2.563	PASS
Tl1908	200	204.1	102.1	PASS	20	-1.976	PASS
V_2924	200	203.9	102.0	PASS	20	-0.3349	PASS
Zn2062	200	209	104.5	PASS	20	-1.074	PASS
Mo2020	200	204.1	102.1	PASS	10	-0.2904	PASS
Ti3372	200	203.3	101.7	PASS	10	-0.181	PASS
B_2089	200	202	101.0	PASS	10	-2.157	PASS
Si2881A	5000	5156	103.1	PASS	500	-1.175	PASS
Si2881R	5000	5113	102.3	PASS	500	33.64	PASS
Sr3464	200	209.4	104.7	PASS	10	-1.464	PASS
Sn1899	200	209.5	104.8	PASS	10	0.0193	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-3 / CCB-3 (ug/L)

ELEMENT	TRUE VALUE	CCV-3	%REC	FLAG	REP. LIMIT	CCB-3	FLAG
	ug/L	11 Aug 2011			ug/L	11 Aug 2011	
		16:45:52				16:49:41	
Ag3280	200	204.4	102.2	PASS	5	0.6873	PASS
Al3082A	5000	5094	101.9	PASS	100	-3.741	PASS
Al3082R	5000	4978	99.6	PASS	100	-16.82	PASS
As1890	200	202.4	101.2	PASS	8	-2.436	PASS
Ba4554R	200	201.7	100.9	PASS	100	0.875	PASS
Be3131R	200	191.1	95.6	PASS	3	-0.3192	PASS
Ca3179R	5000	5147	102.9	PASS	500	-3.938	PASS
Cd2265	200	205.7	102.9	PASS	3	-0.7387	PASS
Co2286	200	199.4	99.7	PASS	20	-0.2134	PASS
Cr2677	200	218.5	109.3	PASS	5	-0.2429	PASS
Cu3247	200	212.9	106.5	PASS	5	-0.1241	PASS
Fe2599A	5000	5437	108.7	PASS	50	1.247	PASS
Fe2599R	5000	5210	104.2	PASS	50	-0.5349	PASS
K_7664R	5000	5314	106.3	PASS	500	-123.8	PASS
Mg2790R	5000	5210	104.2	PASS	500	-9.31	PASS
Mn2576	200	216.8	108.4	PASS	5	-0.3314	PASS
Na5895R	5000	5091	101.8	PASS	1000	-213.1	PASS
Ni2316	200	205.7	102.9	PASS	20	0.1115	PASS
Pb2203	200	208.6	104.3	PASS	8	1.403	PASS
Sb2068	200	196.8	98.4	PASS	20	1.408	PASS
Se1960	200	205.8	102.9	PASS	20	-1.715	PASS
Tl1908	200	203.6	101.8	PASS	20	-2.854	PASS
V_2924	200	207	103.5	PASS	20	-0.5072	PASS
Zn2062	200	210.3	105.2	PASS	20	-1.169	PASS
Mo2020	200	204	102.0	PASS	10	-0.4712	PASS
Ti3372	200	204.2	102.1	PASS	10	-0.4932	PASS
B_2089	200	200.9	100.5	PASS	10	-2.487	PASS
Si2881A	5000	5148	103.0	PASS	500	-1.392	PASS
Si2881R	5000	5053	101.1	PASS	500	39.42	PASS
Sr3464	200	211.8	105.9	PASS	10	-1.681	PASS
Sn1899	200	210.3	105.2	PASS	10	-0.6289	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-4 / CCB-4 (ug/L)

ELEMENT	TRUE VALUE	CCV-4	%REC	FLAG	REP. LIMIT	CCB-4	FLAG
	ug/L	11 Aug 2011			ug/L	11 Aug 2011	
		17:34:03				17:37:53	
Ag3280	200	200.1	100.1	PASS	5	-0.4023	PASS
Al3082A	5000	5011	100.2	PASS	100	-2.894	PASS
Al3082R	5000	4996	99.9	PASS	100	-28.83	PASS
As1890	200	202.5	101.3	PASS	8	-2.895	PASS
Ba4554R	200	202.2	101.1	PASS	100	-0.1308	PASS
Be3131R	200	193	96.5	PASS	3	-0.617	PASS
Ca3179R	5000	5164	103.3	PASS	500	-3.419	PASS
Cd2265	200	212.9	106.5	PASS	3	-0.4778	PASS
Co2286	200	199.9	100.0	PASS	20	-0.0526	PASS
Cr2677	200	209.7	104.9	PASS	5	-0.0779	PASS
Cu3247	200	208.2	104.1	PASS	5	-0.1662	PASS
Fe2599A	5000	5379	107.6	PASS	50	9.599	PASS
Fe2599R	5000	5222	104.4	PASS	50	10.74	PASS
K_7664R	5000	5380	107.6	PASS	500	-282.4	PASS
Mg2790R	5000	5177	103.5	PASS	500	8.618	PASS
Mn2576	200	211.3	105.7	PASS	5	-0.2063	PASS
Na5895R	5000	5213	104.3	PASS	1000	-180.5	PASS
Ni2316	200	203.5	101.8	PASS	20	0.2102	PASS
Pb2203	200	208.7	104.4	PASS	8	0.2769	PASS
Sb2068	200	197	98.5	PASS	20	-2.331	PASS
Se1960	200	198.6	99.3	PASS	20	-1.828	PASS
Tl1908	200	201.4	100.7	PASS	20	-0.7996	PASS
V_2924	200	203.1	101.6	PASS	20	-0.4937	PASS
Zn2062	200	207.3	103.7	PASS	20	-1.139	PASS
Mo2020	200	203	101.5	PASS	10	-0.4564	PASS
Ti3372	200	202.8	101.4	PASS	10	-0.256	PASS
B_2089	200	204.2	102.1	PASS	10	-1.946	PASS
Si2881A	5000	5083	101.7	PASS	500	-1.96	PASS
Si2881R	5000	5045	100.9	PASS	500	18.99	PASS
Sr3464	200	206.9	103.5	PASS	10	-1.163	PASS
Sn1899	200	206.1	103.1	PASS	10	-0.1063	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC CCV-5 / CCB-5 (ug/L)

ELEMENT	TRUE VALUE	CCV-5	%REC	FLAG	REP. LIMIT	CCB-5	FLAG
	ug/L	11 Aug 2011			ug/L	11 Aug 2011	
		17:58:26				18:02:16	
Ag3280	200	198.8	99.4	PASS	5	0.0609	PASS
Al3082A	5000	5037	100.7	PASS	100	-2.162	PASS
Al3082R	5000	4977	99.5	PASS	100	-10.49	PASS
As1890	200	200.8	100.4	PASS	8	-1.191	PASS
Ba4554R	200	202.1	101.1	PASS	100	0.5066	PASS
Be3131R	200	193.2	96.6	PASS	3	-0.6124	PASS
Ca3179R	5000	5155	103.1	PASS	500	-9.014	PASS
Cd2265	200	211.7	105.9	PASS	3	-0.7411	PASS
Co2286	200	199.7	99.9	PASS	20	-0.2661	PASS
Cr2677	200	208.1	104.1	PASS	5	-0.1389	PASS
Cu3247	200	207.9	104.0	PASS	5	0.1048	PASS
Fe2599A	5000	5327	106.5	PASS	50	2.516	PASS
Fe2599R	5000	5172	103.4	PASS	50	0.0185	PASS
K_7664R	5000	5311	106.2	PASS	500	-81.39	PASS
Mg2790R	5000	5161	103.2	PASS	500	15.23	PASS
Mn2576	200	210.3	105.2	PASS	5	-0.2844	PASS
Na5895R	5000	5229	104.6	PASS	1000	-192.6	PASS
Ni2316	200	202.4	101.2	PASS	20	0.7503	PASS
Pb2203	200	210.5	105.3	PASS	8	1.534	PASS
Sb2068	200	200.2	100.1	PASS	20	-4.591	PASS
Se1960	200	198.8	99.4	PASS	20	0.433	PASS
Tl1908	200	202.9	101.5	PASS	20	-2.406	PASS
V_2924	200	200.2	100.1	PASS	20	-0.4185	PASS
Zn2062	200	205.7	102.9	PASS	20	-1.196	PASS
Mo2020	200	202.6	101.3	PASS	10	-0.3942	PASS
Ti3372	200	201.3	100.7	PASS	10	-0.3536	PASS
B_2089	200	206.3	103.2	PASS	10	-1.585	PASS
Si2881A	5000	5062	101.2	PASS	500	1.039	PASS
Si2881R	5000	5034	100.7	PASS	500	11.97	PASS
Sr3464	200	206.7	103.4	PASS	10	-1.348	PASS
Sn1899	200	206.1	103.1	PASS	10	-0.8455	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC

Solid Prep. Blank (PBS) - mg/Kg

ELEMENT	PBS B19P10	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	11 Aug 2011	mg/Kg	mg/Kg	mg/Kg	
	14:21:10				
Ag3280	0.0368	0.50	0.50	-0.50	PASS
Al3082A	1.322	10.00	10.00	-10.00	PASS
Al3082R	1.337	10.00	10.00	-10.00	PASS
As1890	-0.179	0.80	0.80	-0.80	PASS
Ba4554R	-0.0071	10	10	-10	PASS
Be3131R	-0.0531	0.30	0.30	-0.30	PASS
Ca3179R	1.201	50	50	-50	PASS
Cd2265	-0.0722	0.30	0.30	-0.30	PASS
Co2286	-0.0378	2.0	2.0	-2.0	PASS
Cr2677	-0.0032	0.50	0.50	-0.50	PASS
Cu3247	-0.0164	1.0	1.0	-1.0	PASS
Fe2599A	1.188	5.0	5.0	-5.0	PASS
Fe2599R	1.2	5.0	5.0	-5.0	PASS
K_7664R	-0.922	50	50	-50	PASS
Mg2790R	2.193	50	50	-50	PASS
Mn2576	-0.0375	0.50	0.50	-0.50	PASS
Na5895R	15.62	100	100	-100	PASS
Ni2316	0.0299	2.0	2.0	-2.0	PASS
Pb2203	-0.0142	0.80	0.80	-0.80	PASS
Sb2068	-0.3822	2.0	2.0	-2.0	PASS
Se1960	-0.1787	2.0	2.0	-2.0	PASS
Tl1908	0.0213	2.0	2.0	-2.0	PASS
V_2924	-0.0151	2.0	2.0	-2.0	PASS
Zn2062	-0.1373	2.0	2.0	-2.0	PASS
Mo2020	-0.051	1.0	1.0	-1.0	PASS
Ti3372	-0.0261	1.0	1.0	-1.0	PASS
B_2089	0.0537	1.0	1.0	-1.0	PASS
Si2881A**	-0.1093	N/A	N/A	N/A	N/A
Si2881R**	2.191	N/A	N/A	N/A	N/A
Sr3464	-0.1475	1.0	1.0	-1.0	PASS
Sn1899	-0.0343	1.0	1.0	-1.0	PASS

Darkened Area = Not Elements of Interest

ICAP 6300 QC

Solid LCS (LCSS) - ug/Kg

ELEMENT	LCSS-1 B19P10	LCSS-2 B19P10	MEAN	RPD	TRUE VALUE	CONTROL LIMITS LOW	HIGH	% REC	FLAG	
	11 Aug 2011	11 Aug 2011	mg/Kg		mg/Kg	mg/Kg	mg/Kg			
	14:25:10	14:29:18								
Ag3280	48.4	49.25	48.8	1.74	51.9	34.4	69.4	94	PASS	
Al3082A	8157	8246	8201.5	1.09	9780	3810	15700	N/A*	N/A*	(switch to radial)
Al3082R	9119	9094	9106.5	0.27	9780	3810	15700	93	PASS	
As1890	102.4	101.3	101.9	1.08	109	90.7	128	93	PASS	
Ba4554R	294.7	301.4	298.1	2.25	325	270	380	92	PASS	
Be3131R	85.92	85.72	85.8	0.23	92.1	77.1	107	93	PASS	
Ca3179R	6074	6093	6083.5	0.31	6700	5250	8150	91	PASS	
Cd2265	100.2	97.68	98.9	2.55	110	88.8	131	90	PASS	
Co2286	120.5	120.2	120.4	0.25	133	108	158	90	PASS	
Cr2677	87.65	93.63	90.6	6.60	93.4	75.3	112	97	PASS	
Cu3247	75.28	76.97	76.1	2.22	74.7	62.6	86.8	102	PASS	
Fe2599A	12260	12810	12535.0	N/A*	13100	6620	19500	N/A*	N/A*	(switch to radial)
Fe2599R	14100	14490	14295.0	2.73	13100	6620	19500	109	PASS	
K_7664R	2523	2507	2515.0	0.64	2770	1810	3730	91	PASS	
Mg2790R	2785	2750	2767.5	1.26	2980	2070	3880	93	PASS	
Mn2576	408.8	416.7	412.8	1.91	443	340	546	93	PASS	
Na5895R	643.7	644	643.9	0.05	724	513	936	89	PASS	
Ni2316	97.01	97.87	97.4	0.88	109	88.5	129	89	PASS	
Pb2203	132.3	133.4	132.9	0.83	152	120	184	87	PASS	
Sb2068	182.6	177.9	180.3	2.61	121	20	265	149	PASS	
Se1960	185.4	188.8	187.1	1.82	207	164	249	90	PASS	
Tl1908	154.7	155.4	155.1	0.45	171	133	208	91	PASS	
V_2924	104	108.1	106.1	3.87	110	84.5	136	96	PASS	
Zn2062	268.3	270	269.2	0.63	299	245	352	90	PASS	
Mo2020	76.53	79.11	77.8	3.32	82.5	59.2	106	94	PASS	
Ti3372	238.5	237.1	237.8	0.59	193	56.9	330	123	PASS	
B_2089	130.2	129.6	129.9	0.46	142	90.7	193	91	PASS	
Si2881A**	970.7	1068	1019.4	N/A	N/A	N/A	N/A	N/A	N/A	
Si2881R**	1004	1083	1043.5	N/A	N/A	N/A	N/A	N/A	N/A	
Sr3464	96.27	99.3	97.8	3.10	111	84.7	136	88	PASS	
Sn1899	132.9	133	133.0	0.08	135	107	163	98	PASS	

N/A* = Not Applicable since Axial mode pre-calculated value in ug/L was at saturated detector or above the LDR limit.
Darkened Area = Not Elements of Interest

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03573	AN03573 MS	SPIKE LEVEL	% REC	FLAG	QUALIFIER	COMMENTS
		11 Aug 2011	11 Aug 2011					
		15:34:51	15:39:22					
Ag3280	1.8	1.864	210	200	104.1	PASS		
Al3082A	22.7	57640	83320	5000	513.6	K	NA	> 1X spike level
Al3082R	36.3	60950	92680	5000	634.6	K	NA	> 1X spike level
As1890	3.6	88.98	316.9	200	114.0	PASS		
Ba4554R	37	3352	9495	200	3071.5	K	NA	> 1X spike level
Be3131R	1.8	2.621	212.3	200	104.8	PASS		
Ca3179R	240	107200	114900	5000	154.0	K	N/A	> 1X spike level
Cd2265	1.8	4.065	212.4	200	104.2	PASS		
Co2286	7.4	97.19	320	200	111.4	PASS		
Cr2677	3.6	242.8	622.2	200	189.7	K	NA	> 1X spike level
Cu3247	5.6	2071	2481	200	205.0	K	NA	> 1X spike level
Fe2599A	15	^ *****	^ *****	5000	N/A	K	N/A	(saturation) Switch to radial
Fe2599R	16	254700	287800	5000	662.0	K	NA	> 1X spike level
K_7664R	190	7660	15220	5000	151.2	K	NA	> 1X spike level
Mg2790R	170	61860	93880	5000	640.4	K	NA	> 1X spike level
Mn2576	3.7	2186	2664	200	239.0	K	NA	> 1X spike level
Na5895R	340	2253	8423	5000	123.4	PASS		
Ni2316	7.6	1319	2152	200	416.5	K	NA	> 1X spike level
Pb2203	4.2	17050	27020	200	4985.0	K	NA	> 1X spike level
Sb2068	14	28.49	220.7	200	96.1	PASS		
Se1960	12	15.67	219.5	200	101.9	PASS		
Tl1908	9.2	-1.193	166.5	200	83.3	PASS		
V_2924	7.5	242	505	200	131.5	K	NA	> 1X spike level
Zn2062	7.3	3302	3767	200	232.5	K	NA	> 1X spike level
Mo2020	3.6	12.21	214.9	200	101.3	PASS		
Ti3372	3.6	2916	3980	200	532.0	K	NA	
B_2089	2.4	33.85	246.3	200	106.2	PASS		
Si2881A**	40.4	4944	6621	N/A	N/A	N/A	No Spike	
Si2881R**	50.4	5030	6884	N/A	N/A	N/A	No Spike	
Sr3464	2.8	763.6	1210	200	223.2	K	NA	
Sn1899	3.2	613	655.4	200	21.2	L	NA	

Darkened Area = Not Elements of Interest

ICAP 6300 QC

MS and SDL - % Difference

ELEMENT	MS Value (ug/L) AN03573 MS	SDL Value (ug/L) AN03573 SDL	% Difference	FLAG	QUALIFIER	COMMENTS
	11 Aug 2011	11 Aug 2011				
	15:39:22	15:43:49				
Ag3280	210	216.6	-3.14	PASS		
Al3082A	F 83320.	F 95010.	N/A	N/A		> LDR (switch to radial)
Al3082R	92680	94610	-2.08	PASS		
As1890	316.9	309.5	2.34	PASS		
Ba4554R	9495	9634	-1.46	PASS		
Be3131R	212.3	211.1	0.57	PASS		
Ca3179R	114900	117500	-2.26	PASS		
Cd2265	212.4	213	-0.28	PASS		
Co2286	320	330.1	-3.16	PASS		
Cr2677	622.2	656.5	-5.51	PASS		
Cu3247	2481	2568	-3.51	PASS		
Fe2599A	^ *****	F 298800.	N/A	N/A		> LDR (switch to radial)
Fe2599R	287800	304500	-5.80	PASS		
K_7664R	15220	15260	-0.26	PASS		
Mg2790R	93880	95620	-1.85	PASS		
Mn2576	2664	2767	-3.87	PASS		
Na5895R	8423	7759	7.88	PASS		
Ni2316	2152	2259	-4.97	PASS		
Pb2203	27020	27950	-3.44	PASS		
Sb2068	220.7	220.7	0.00	PASS		
Se1960	219.5	223.5	-1.8	PASS		
Tl1908	166.5	166.7	-0.12	PASS		
V_2924	505	523.1	-3.58	PASS		
Zn2062	3767	3993	-6.00	PASS		
Mo2020	214.9	222.3	-3.44	PASS		
Ti3372	3980	4104	-3.12	PASS		
B_2089	246.3	248.1	-0.73	PASS		
Si2881A**	6621	7131	-7.70	PASS		
Si2881R**	6884	7172	-4.18	PASS		
Sr3464	1210	1259	-4.05	PASS		
Sn1899	655.4	684.9	-4.50	PASS		

Darkened Area = Not Elements of Interest

ICAP 6300 QC Aqueous Prep. Blank (PBW) - ug/L

ELEMENT	PBW B19P08	REP. LIMIT	ACCEPTANCE LIMITS		FLAG
	11 Aug 2011	ug/L	ug/L	ug/L	
	16:26:30				
Ag3280	0.2446	5	5	-5	PASS
Al3082A	8.07	100	100	-100	PASS
Al3082R	-10.81	100	100	-100	PASS
As1890	-3.564	8	8	-8	PASS
Ba4554R	0.4823	100	100	-100	PASS
Be3131R	-0.7044	3	3	-3	PASS
Ca3179R	33.93	500	500	-500	PASS
Cd2265	-0.8509	3	3	-3	PASS
Co2286	-0.289	20	20	-20	PASS
Cr2677	-0.3341	5	5	-5	PASS
Cu3247	-0.0584	5	5	-5	PASS
Fe2599A	26.7	50	50	-50	PASS
Fe2599R	25.95	50	50	-50	PASS
K_7664R	0.7368	500	500	-500	PASS
Mg2790R	23.71	500	500	-500	PASS
Mn2576	0.1524	5	5	-5	PASS
Na5895R	-170.5	1000	1000	-1000	PASS
Ni2316	-0.1682	20	20	-20	PASS
Pb2203	1.534	8	8	-8	PASS
Sb2068	-1.997	20	20	-20	PASS
Se1960	0.5103	20	20	-20	PASS
Tl1908	-0.6524	20	20	-20	PASS
V_2924	-0.4112	20	20	-20	PASS
Zn2062	-1.064	20	20	-20	PASS
Mo2020	-0.4886	10	10	-10	PASS
Ti3372	0.2645	10	10	-10	PASS
B_2089	-0.3366	10	10	-10	PASS
Si2881A	4.051	500	500	-500	PASS
Si2881R	58.16	500	500	-500	PASS
Sr3464	-1.241	10	10	-10	PASS
Sn1899	-0.6157	10	10	-10	PASS

Note: Darkened areas were not analytes of interest

ICAP 6300 QC

Aqueous LCS (LCSW) - ug/L

ELEMENT	LCSW-1 B19P08	LCSW-2 B19P08	MEAN	SPIKE LEVEL	RPD	% REC	FLAG
	11 Aug 2011	11 Aug 2011	ug/L	ug/L			
	16:30:31	16:34:22					
Ag3280	212.9	204.1	208.5	200	1.00	94	PASS
Al3082A	5153	4954	5054	5000	3.94	101	PASS
Al3082R	4915	4934	4924.5	5000	0.39	98	PASS
As1890	205.6	204.8	205.2	200	0.39	103	PASS
Ba4554R	207.7	206.9	207.3	200	0.39	104	PASS
Be3131R	201.2	199.6	200	200	0.80	100	PASS
Ca3179R	5150	5138	5144.0	5000	0.23	103	PASS
Cd2265	205.2	210.2	207.7	200	2.41	104	PASS
Co2286	206.6	205.1	205.9	200	0.73	103	PASS
Cr2677	217.5	207.1	212.3	200	4.90	106	PASS
Cu3247	211.3	201.8	207	200	4.60	103	PASS
Fe2599A	5360	5239	5300	5000	2.28	106	PASS
Fe2599R	5115	5122	5119	5000	0.14	102	PASS
K_7664R	4356	4387	4371.5	5000	0.71	87	PASS
Mg2790R	5163	5090	5127	5000	1.42	103	PASS
Mn2576	217.5	209.8	213.7	200	3.60	107	PASS
Na5895R	5179	5124	5151.5	5000	1.07	103	PASS
Ni2316	209.1	205.5	207.3	200	1.74	104	PASS
Pb2203	211.1	212	211.6	200	0.43	106	PASS
Sb2068	200	199.1	199.6	200	0.45	100	PASS
Se1960	206.7	203.9	205.3	200	1.36	103	PASS
Tl1908	207	203.2	205.1	200	1.85	103	PASS
V_2924	213.6	205.7	209.7	200	3.77	105	PASS
Zn2062	212.3	211.9	212.1	200	0.19	106	PASS
Mo2020	207.1	202.9	205.0	200	2.05	103	PASS
Ti3372	209.7	205.2	207.5	200	2.17	104	PASS
B_2089	200.7	200	200.4	200	0.35	100	PASS
Si2881A	4529	4104	4316.5	5000	9.85	86	PASS
Si2881R	4379	4085	4232.0	5000	6.95	85	PASS
Sr3464	211.2	206.4	208.8	200	2.30	104	PASS
Sn1899	208.5	210	209.3	200	0.72	105	PASS

Note: Darkened areas were not analytes of interest

ICAP 6300 QC

Matrix Spike (MS) - % Recovery

ELEMENT	MDL	AN03581	AN03581 MS	SPIKE LEVEL	% REC	FLAG	QUALIFIER	COMMENTS
		11 Aug 2011	11 Aug 2011	ug/L				
		16:53:43	16:57:45					
Ag3280	1.33	-0.11	206.5	200	103.3	PASS		
Al3082A	25.2	5.764	5040	5000	100.8	PASS		
Al3082R	28.2	-16.16	4949	5000	99.0	PASS		
As1890	4.8	-2.54	209.5	200	104.8	PASS		
Ba4554R	27.6	0.9883	208.2	200	104.1	PASS		
Be3131R	1.44	-0.5627	200	200	100.0	PASS		
Ca3179R	133	81.34	5304	5000	106.1	PASS		
Cd2265	1.46	-0.629	216.9	200	108.5	PASS		
Co2286	5.44	-0.5118	209.1	200	104.6	PASS		
Cr2677	2.9	-0.3437	211	200	105.5	PASS		
Cu3247	5.03	0.8322	204.3	200	102.2	PASS		
Fe2599A	14.2	3.76	5343	5000	106.9	PASS		
Fe2599R	13.7	4.956	5204	5000	104.1	PASS		
K_7664R	154	-176.2	4349	5000	87.0	PASS		
Mg2790R	139	19.67	5196	5000	103.9	PASS		
Mn2576	3.04	-0.1846	213.4	200	106.7	PASS		
Na5895R	274	-134.4	5243	5000	104.9	PASS		
Ni2316	5.43	0.2896	209.2	200	104.6	PASS		
Pb2203	2.39	1.837	213.9	200	107.0	PASS		
Sb2068	11.2	-5.122	202.3	200	101.2	PASS		
Se1960	11.2	0.0456	209.9	200	105.0	PASS		
Tl1908	7.58	-1.556	206.8	200	103.4	PASS		
V_2924	5.62	-1.032	208.4	200	104.2	PASS		
Zn2062	5.71	0.4254	219.9	200	110.0	PASS		
Mo2020	2.7	-0.477	206	200	103.0	PASS		
Ti3372	2.91	-0.2691	207.1	200	103.6	PASS		
B_2089	2.5	-1.426	202.9	200	101.5	PASS		
Si2881A	40.5	8.277	4240	5000	84.8	PASS		
Si2881R	50.5	21.71	4269	5000	85.4	PASS		
Sr3464	2.5	-1.055	209.1	200	104.6	PASS		
Sn1899	2.4	-0.2459	209.8	200	104.9	PASS		

Note: Darkened areas were not analytes of interest

ICAP 6300 QC MS/SDL - % Difference

ELEMENT	MS Value (ug/L) AN03581 MS	SDL Value (ug/L) AN03581 SDL	% Difference	FLAG	QUALIFIER	COMMENTS
	11 Aug 2011	11 Aug 2011				
	16:57:45	17:01:36				
Ag3280	206.5	204	1.21	PASS		
Al3082A	5040	4935	2.08	PASS		
Al3082R	4949	4811	2.79	PASS		
As1890	209.5	194	7.40	PASS		
Ba4554R	208.2	206.8	0.67	PASS		
Be3131R	200	196.7	1.65	PASS		
Ca3179R	5304	5141	3.07	PASS		
Cd2265	216.9	208.2	4.01	PASS		
Co2286	209.1	203	2.92	PASS		
Cr2677	211	207.6	1.61	PASS		
Cu3247	204.3	203.3	0.49	PASS		
Fe2599A	5343	5238	1.97	PASS		
Fe2599R	5204	5062	2.73	PASS		
K_7664R	4349	3393	21.98	> 10%	UJ	
Mg2790R	5196	5159	0.71	PASS		
Mn2576	213.4	209.4	1.87	PASS		
Na5895R	5243	4415	15.79	> 10%	UJ	
Ni2316	209.2	207.3	0.91	PASS		
Pb2203	213.9	211.3	1.22	PASS		
Sb2068	202.3	188.2	6.97	PASS		
Se1960	209.9	202.6	3.48	PASS		
Tl1908	206.8	199.7	3.43	PASS		
V_2924	208.4	201.4	3.36	PASS		
Zn2062	219.9	208.9	5.00	PASS		
Mo2020	206	201.9	1.99	PASS		
Ti3372	207.1	205.3	0.87	PASS		
B_2089	202.9	195.2	3.79	PASS		
Si2881A	4240	4290	-1.18	PASS		
Si2881R	4269	4256	0.30	PASS		
Sr3464	209.1	206.7	1.15	PASS		
Sn1899	209.8	204	2.76	PASS		

Note: Darkened areas were not analytes of interest

ICP ANALYSIS

HEADER FILE INFORMATION FOR:

INDUCTIVELY COUPLED PLASMA EMISSION ANALYSIS

REMARKS:

METHOD: EPA-SOP-C-109

NAME OF PROJECT & (NUMBER): JEWETT WHITE LEAD (11070033)

REPORTED NUMBER OF SAMPLES & MATRIX TYPE: 9 SDs+1AT

INSTRUMENT ID: ICAP 6300 DUO (SERIAL# 20074301)

ANALYST: F.XU

SAMPLE PREPARATION DATE(S): 08/09/11& 08/10/11

ANALYSIS DATE: 08/11/11

DATA FILE: ESAT081111

ELEMENT(S) OF INTEREST: TAL Metals

COVER PAGE

	Pos ID	Type	Samplename	Comment	Instrument	Method	CorrFact	Check	Check Table	Fail Action
1	1	QC	PBS B19P10		ICAP6300	SOP-C-109	0.08772	☒	PBS	None
2	2	QC	LCSS-1 B19P10		ICAP6300	SOP-C-109	0.09804	☒	LCSS	None
3	3	QC	LCSS-2 B19P10		ICAP6300	SOP-C-109	0.09804	☒	LCSS	None
4	4	Unk	1108004-05	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
5	5	Unk	1108004-05 MS	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
6	6	Unk	1108004-05 SDL	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
7	7	Unk	1108004-06	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
8	8	Unk	1108004-07	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
9	9	Unk	1108006-09	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
10	10	Unk	1108006-10	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
11	11	Unk	1108006-11	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
12	12	Unk	1108012-09	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
13	13	Unk	1108012-10	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
14	14	Unk	1108012-11	Route 278 dump(1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
15	15	Unk	AN03572	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
16	16	Unk	AN03573	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
17	17	Unk	AN03573 MS	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
18	18	Unk	AN03573 SDL	Jewett White(11070033)	ICAP6300	SOP-C-109	5	☒	LDR	---
19	19	Unk	AN03574	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
20	20	Unk	AN03575	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
21	21	Unk	AN03576	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
22	22	Unk	AN03577	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
23	23	Unk	AN03578	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
24	24	Unk	AN03579	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
25	25	Unk	AN03580	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
26	26	QC	PBW B19 P08		ICAP6300	SOP-C-109	1	☒	PBW	None
27	27	QC	LCSW-1 B19P08		ICAP6300	SOP-C-109	1	☒	LCSW	None
28	28	QC	LCSW-2 B19P08		ICAP6300	SOP-C-109	1	☒	LCSW	None
29	29	QC	LCSW-3 B19P08		ICAP6300	SOP-C-109	1	☒	LCSW	None
30	30	QC	LCSW-4 B19P08		ICAP6300	SOP-C-109	1	☒	LCSW	None
31	31	Unk	AN03581	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
32	32	Unk	AN03581 MS	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
33	33	Unk	AN03581 SDL	Jewett White(11070033)	ICAP6300	SOP-C-109	1	☒	LDR	---
34	34	Unk	1108019-1	Mohonk road(1108019)	ICAP6300	SOP-C-109	1	☒	LDR	---
35	35	Unk	1108019-1 MS	Mohonk road(1108019)	ICAP6300	SOP-C-109	1	☒	LDR	---
36	36	Unk	1108019-1 SDL	Mohonk road(1108019)	ICAP6300	SOP-C-109	1	☒	LDR	---
37	37	Unk	1108019-2	Mohonk road(1108019)	ICAP6300	SOP-C-109	1	☒	LDR	---
38	38	Unk	1108004-06 X10	RT. 287 DUMP (1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
39	39	Unk	1108004-07 X10	RT. 287 DUMP (1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
40	40	Unk	1108006-09 X10	RT. 287 DUMP (1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
41	41	Unk	1108006-10 X10	RT. 287 DUMP (1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
42	42	Unk	1108012-10 X10	RT. 287 DUMP (1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
43	43	Unk	1108012-11 X10	RT. 287 DUMP (1108004)	ICAP6300	SOP-C-109	1	☒	LDR	---
44	44	Unk	LCSW-5 B19P08	IDOC	ICAP6300	SOP-C-109	1	☒	LDR	---

SUMMARY - VERTICAL REPORT

	Blank	MID STD	HIGH STD	ICV	ICB	RL	2RL	IOS
	11 Aug 2011 13:48:02	11 Aug 2011 13:52:00	11 Aug 2011 13:56:00	11 Aug 2011 14:00:42	11 Aug 2011 14:04:35	11 Aug 2011 14:08:36	11 Aug 2011 14:12:37	11 Aug 2011 14:16:37
Ag3280	-.0010	.3695	.7406	198.2	.0043	5.468	10.32	.5645
Al3961A	.0081	3.377	6.750	4916.	-2.342	111.6	211.4	^F *****
Al3961R	.0001	.2186	.4389	4850.	10.25	95.11	201.4	306100.
As1890	.0001	.1431	.2868	197.8	-2.278	7.169	14.45	.7716
Ba4554R	.0108	9.070	18.34	197.6	-.1154	100.9	200.3	-.3158
Be3131R	.0022	8.817	17.84	197.8	-.2452	2.656	5.918	-.0289
Ca3179R	.0067	.6072	1.205	5031.	-9.222	502.0	1005.	290200.
Cd2265	.0001	1.911	3.715	200.5	-.0289	2.401	5.197	-2.399
Co2286	.0001	2.009	4.026	196.4	.2739	20.05	40.31	-1.013
Cr2677	.0001	2.974	5.903	209.5	-.1974	5.726	11.00	.6772
Cu3247	.0265	4.409	8.733	211.7	.4960	11.72	22.37	2.419
Fe2599A	.0052	2.780	5.436	5147.	-5.208	45.46	97.51	^ *****
Fe2599R	.0007	.4039	.8021	5066.	-6.726	42.33	96.26	281000.
K_7664R	-.0086	.1197	.2455	5153.	-42.87	496.3	963.7	327.6
Mg2790R	.0002	.0765	.1520	5041.	6.157	505.7	1013.	290800.
Mn2576	.0014	16.40	32.35	210.0	.1589	5.190	10.59	-.4984
Na5895R	.0146	.4433	.8825	4976.	-169.7	890.8	1898.	302200.
Ni2316	-.0001	1.111	2.227	199.6	.4148	19.33	40.21	-3.071
Pb2203	.0000	.4936	.9768	201.2	.9968	8.663	16.80	.8366
Sb2068	.0001	.2290	.4615	196.2	-1.306	15.47	37.85	3.758
Se1960	.0003	.1351	.2712	197.6	-1.168	19.66	36.87	14.98
Tl1908	-.0002	.2350	.4691	201.8	-.3892	21.87	38.91	2.289
V_2924	-.0002	3.491	6.944	202.3	.3616	19.83	40.95	-1.428
Zn2062	.0027	2.891	5.665	197.0	-1.096	20.29	41.83	1.511
Mo2020	.0001	1.242	2.505	203.2	.4108	10.04	20.67	-2.380
Ti3372	-.0007	9.410	18.85	202.9	.1481	10.18	20.62	1.573
B_2089	-.0004	.5748	1.155	211.9	2.718	12.51	22.25	.3477
Si2881A	.0061	.7022	1.408	5017.	3.375	526.2	1044.	-9.488
Si2881R	.0001	.1111	.2211	4998.	12.87	539.4	1057.	64.63
Sn1899	.0002	.3716	.7337	201.4	-.2179	9.337	20.27	1.827
Sr3464	.0001	2.748	5.492	205.6	-.5224	9.675	19.71	.0996
Y_2243-A	29384.	28681.	28390.	29367.	28888.	28704.	29003.	26238.
Y_3203-A	48973.	47629.	48045.	48266.	48811.	48311.	48277.	44153.
Y_3600-R	16793.	15745.	16123.	16343.	16905.	16725.	16873.	16129.

SUMMARY - VERTICAL REPORT

	PBS B19P10	LCSS-1 B19P10	LCSS-2 B19P10	1108004-05	B108067-MS1	B108067-MSD1	1108004-06	1108004-07
	11 Aug 2011 14:21:10	11 Aug 2011 14:25:10	11 Aug 2011 14:29:18	11 Aug 2011 14:33:25	11 Aug 2011 14:37:57	11 Aug 2011 14:42:21	11 Aug 2011 14:46:32	11 Aug 2011 14:50:55
Ag3280	.0368	48.40	49.25	.4827	207.3	42.65	-.4353	.4038
Al3961A	1.322	8157.	8246.	F 94590.	F 118800.	26500.	F 84540.	F 91460.
Al3961R	1.337	9119.	9094.	102100.	129200.	26690.	94110.	105300.
As1890	-.1790	102.4	101.3	47.84	292.8	60.89	226.3	145.1
Ba4554R	-.0071	294.7	301.4	731.9	974.1	199.0	4083.	2830.
Be3131R	-.0531	85.92	85.72	4.093	205.1	41.83	9.016	8.670
Ca3179R	1.201	6074.	6093.	15700.	25140.	5305.	46470.	122100.
Cd2265	-.0722	100.2	97.68	-.1525	185.1	40.45	-4.388	-1.358
Co2286	-.0378	120.5	120.2	77.78	311.8	67.33	80.11	82.48
Cr2677	-.0032	87.65	93.63	225.3	454.3	93.44	159.0	207.0
Cu3247	-.0164	75.28	76.97	535.8	901.8	181.9	299.4	347.2
Fe2599A	1.188	12260.	12810.	^ *****	^ *****	54910.	^ *****	^ *****
Fe2599R	1.200	14100.	14490.	226300.	264900.	56890.	F 881700.	F 670500.
K_7664R	-.9220	2523.	2507.	8323.	17650.	3238.	9768.	14910.
Mg2790R	2.193	2785.	2750.	33990.	44610.	9366.	7011.	31200.
Mn2576	-.0375	408.8	416.7	3364.	3659.	757.1	1178.	2677.
Na5895R	15.62	643.7	644.0	9039.	15480.	2826.	14080.	10700.
Ni2316	.0299	97.01	97.87	1511.	2084.	447.8	271.1	259.8
Pb2203	-.0142	132.3	133.4	793.0	968.7	215.2	77.25	482.2
Sb2068	-.3822	182.6	177.9	5.909	185.1	36.70	12.73	10.99
Se1960	-.1787	185.4	188.8	7.562	197.6	37.62	48.13	26.40
Tl1908	.0213	154.7	155.4	-1.804	180.8	39.39	1.687	1.061
V_2924	-.0151	104.0	108.1	396.0	679.2	140.3	448.3	493.2
Zn2062	-.1373	268.3	270.0	936.1	1136.	248.7	175.9	1070.
Mo2020	-.0510	76.53	79.11	6.017	194.3	40.79	53.52	12.67
Ti3372	-.0261	238.5	237.1	3831.	6227.	1288.	5470.	4556.
B_2089	.0537	130.2	129.6	31.75	223.7	48.63	182.3	275.5
Si2881A	-.1093	970.7	1068.	4443.	6484.	1403.	4142.	5235.
Si2881R	2.191	1004.	1083.	4497.	6531.	1422.	4398.	5535.
Sn1899	-.0343	132.9	133.0	33.88	215.2	45.91	10.20	40.06
Sr3464	-.1475	96.27	99.30	169.0	385.8	80.02	1569.	1786.
Y_2243-A	28657.	29564.	29605.	30484.	28313.	29071.	28845.	29501.
Y_3203-A	48933.	50877.	49696.	50137.	45394.	48263.	48649.	49822.
Y_3600-R	16593.	17474.	16882.	16980.	15489.	15600.	15871.	16072.

SUMMARY - VERTICAL REPORT

	1108006-09	1108006-10	CCV	CCB	1108006-11	1108012-09	1108012-10	1108012-11
	11 Aug 2011 14:55:22	11 Aug 2011 15:00:02	11 Aug 2011 15:04:23	11 Aug 2011 15:08:13	11 Aug 2011 15:12:14	11 Aug 2011 15:16:45	11 Aug 2011 15:21:15	11 Aug 2011 15:25:45
Ag3280	3.511	-1.147	201.3	.1295	.0452	.6699	1.092	-.3228
Al3961A	F 104200.	F 96080.	5093.	1.521	F 120200.	F 93280.	F 130100.	F 82750.
Al3961R	124400.	107600.	4972.	-11.83	133300.	103100.	142700.	92340.
As1890	180.8	369.2	198.2	-.3211	97.60	109.2	56.17	105.2
Ba4554R	2205.	5169.	200.4	.3348	1866.	2911.	1273.	2582.
Be3131R	6.508	36.18	194.8	-.6980	6.457	7.495	4.967	6.658
Ca3179R	302100.	52020.	5171.	-.3976	30470.	33840.	21640.	29700.
Cd2265	-6.168	-1.190	205.5	-.6333	.6686	.4276	13.23	.0391
Co2286	250.7	222.7	198.5	-.1950	127.9	93.14	138.6	85.94
Cr2677	4769.	229.7	211.8	-.4311	259.2	256.5	244.0	234.6
Cu3247	4026.	463.3	211.1	.3072	422.5	718.9	309.1	525.6
Fe2599A	^ *****	^ *****	5405.	31.96	^ *****	^ *****	^ *****	^ *****
Fe2599R	F 885200.	F 617700.	5272.	33.12	299300.	F 629800.	259100.	F 588900.
K_7664R	9410.	7665.	5257.	-93.22	10920.	8166.	8678.	7551.
Mg2790R	22980.	4458.	5151.	-8.669	49360.	18770.	33050.	18040.
Mn2576	2535.	251.4	212.5	-.1722	4862.	3547.	13740.	3128.
Na5895R	12350.	1069.	5045.	-205.2	1897.	13170.	1005.	11930.
Ni2316	36920.	481.1	201.8	.4509	1067.	1244.	279.2	835.0
Pb2203	3421.	199.1	206.6	1.888	1346.	479.1	421.7	463.3
Sb2068	58.95	19.21	199.1	-3.799	8.496	11.46	7.645	8.595
Se1960	31.56	23.78	202.1	-4.284	12.49	23.77	16.72	23.40
Tl1908	.5630	7.130	202.8	.1016	-1.220	-2.180	-9.367	-2.531
V_2924	5579.	700.5	203.2	-.5645	478.4	421.3	469.6	384.4
Zn2062	2168.	546.2	204.3	-1.109	899.2	1039.	934.0	911.8
Mo2020	45.37	23.69	203.0	-.6241	12.56	16.74	5.869	16.12
Ti3372	5367.	7577.	204.5	-.0117	4920.	5403.	4746.	5069.
B_2089	270.5	47.88	203.6	-1.442	49.89	97.81	26.09	88.53
Si2881A	8382.	5933.	5147.	5.961	5414.	4976.	6047.	5170.
Si2881R	8906.	6288.	5094.	37.10	5578.	5264.	6215.	5443.
Sn1899	114.6	14.00	205.9	-.7213	29.59	23.98	46.98	22.03
Sr3464	2335.	9473.	209.5	-.9307	675.0	1030.	412.0	902.1
Y_2243-A	28522.	32493.	29726.	29660.	31321.	30332.	31581.	30546.
Y_3203-A	46691.	53226.	48946.	48150.	51662.	51002.	52370.	50999.
Y_3600-R	15236.	16600.	15470.	14869.	16609.	16229.	16652.	16009.

SUMMARY - VERTICAL REPORT

	AN03573	AN03573 MS	AN03573 SDL	AN03574	AN03575	CCV	CCB	AN03576
	11 Aug 2011 15:34:51	11 Aug 2011 15:39:22	11 Aug 2011 15:43:49	11 Aug 2011 15:47:59	11 Aug 2011 15:52:22	11 Aug 2011 15:56:43	11 Aug 2011 16:00:33	11 Aug 2011 16:04:34
Ag3280	1.864	210.0	216.6	-.3768	3.442	202.0	-.1029	.9517
Al3961A	57640.	F 83320.	F 95010.	F 91680.	41090.	5171.	-.8603	37590.
Al3961R	60950.	92680.	94610.	98620.	42130.	5003.	2.889	38260.
As1890	88.98	316.9	309.5	64.49	162.6	204.1	-.1498	43.14
Ba4554R	3352.	9495.	9634.	581.3	846.4	202.1	.9160	487.4
Be3131R	2.621	212.3	211.1	5.238	2.008	192.4	-.0420	1.535
Ca3179R	107200.	114900.	117500.	20970.	28670.	5203.	-3.476	20770.
Cd2265	4.065	212.4	213.0	-1.315	2.681	208.4	-.4796	3.018
Co2286	97.19	320.0	330.1	58.77	67.49	200.4	-.2059	37.40
Cr2677	242.8	622.2	656.5	154.2	166.9	212.5	-.1445	89.52
Cu3247	2071.	2481.	2568.	119.6	756.6	210.4	-.2202	536.2
Fe2599A	^ *****	^ *****	F 298800.	^ *****	F 137900.	5401.	9.323	F 103500.
Fe2599R	254700.	287800.	304500.	199500.	154800.	5254.	10.78	110500.
K_7664R	7660.	15220.	15260.	9773.	9994.	5356.	-110.2	5439.
Mg2790R	61860.	93880.	95620.	19480.	18950.	5205.	26.65	13960.
Mn2576	2186.	2664.	2767.	3507.	1819.	212.8	-.1703	1287.
Na5895R	2253.	8423.	7759.	238.9	20390.	5106.	-193.0	1797.
Ni2316	1319.	2152.	2259.	91.89	285.9	204.3	.0658	128.4
Pb2203	17050.	27020.	27950.	455.8	7158.	211.5	2.129	3769.
Sb2068	28.49	220.7	220.7	1.590	20.64	199.7	-4.552	7.001
Se1960	15.67	219.5	223.5	7.039	19.53	202.5	-2.563	6.041
Tl1908	-1.193	166.5	166.7	-4.084	-1.464	204.1	-1.976	-.8942
V_2924	242.0	505.0	523.1	244.0	859.5	203.9	-.3349	169.4
Zn2062	3302.	3767.	3993.	352.3	2269.	209.0	-1.074	1201.
Mo2020	12.21	214.9	222.3	3.493	22.11	204.1	-.2904	4.293
Ti3372	2916.	3980.	4104.	1351.	2909.	203.3	-.1810	2231.
B_2089	33.85	246.3	248.1	41.17	41.11	202.0	-2.157	14.47
Si2881A	4944.	6621.	7131.	5716.	4278.	5156.	-1.175	4013.
Si2881R	5030.	6884.	7172.	5805.	4295.	5113.	33.64	4040.
Sn1899	613.0	655.4	684.9	12.33	131.4	209.5	.0193	115.3
Sr3464	763.6	1210.	1259.	158.1	392.1	209.4	-1.464	119.2
Y_2243-A	29657.	29421.	29299.	31133.	29830.	28653.	28252.	29849.
Y_3203-A	48663.	48502.	47554.	50852.	49091.	46772.	47736.	48964.
Y_3600-R	15353.	15155.	14397.	15561.	14725.	13816.	14170.	15012.

SUMMARY - VERTICAL REPORT

	AN03577	AN03578	AN03579	AN03580	PBW B19P08	LCSW-1 B19P08	LCSW-2 B19P08	B108066-BS2
	11 Aug 2011 16:08:45	11 Aug 2011 16:13:07	11 Aug 2011 16:17:30	11 Aug 2011 16:21:53	11 Aug 2011 16:26:30	11 Aug 2011 16:30:31	11 Aug 2011 16:34:22	11 Aug 2011 16:38:12
Ag3280	-1.217	-1.233	.4994	.1113	.2446	212.9	204.1	205.5
Al3961A	F 100800.	F 109700.	F 78580.	F 65810.	8.070	5153.	4954.	5966.
Al3961R	111800.	121300.	87090.	74860.	-10.81	4915.	4934.	5978.
As1890	86.97	67.86	43.12	57.57	-3.564	205.6	204.8	206.5
Ba4554R	316.0	397.8	246.9	1184.	.4823	207.7	206.9	209.1
Be3131R	3.489	3.860	3.668	7.472	-.7044	201.2	199.6	201.5
Ca3179R	10770.	12220.	72850.	277600.	33.93	5150.	5138.	F 6275.
Cd2265	-1.008	-1.484	-.7717	2.255	-.8509	205.2	210.2	215.7
Co2286	73.14	66.33	60.49	89.08	-.2890	206.6	205.1	207.8
Cr2677	294.6	168.4	326.8	276.0	-.3341	217.5	207.1	209.8
Cu3247	140.0	125.8	117.4	990.6	-.0584	211.3	201.8	203.9
Fe2599A	^ *****	^ *****	^ *****	^ *****	26.70	5360.	5239.	F 6371.
Fe2599R	232100.	215800.	189500.	201000.	25.95	5115.	5122.	F 6260.
K_7664R	10910.	8394.	18700.	15660.	.7368	4356.	4387.	5298.
Mg2790R	22520.	25600.	39920.	168700.	23.71	5163.	5090.	F 6206.
Mn2576	4713.	2914.	3275.	3656.	.1524	217.5	209.8	212.6
Na5895R	1649.	7577.	27230.	1987.	-170.5	5179.	5124.	F 6244.
Ni2316	168.1	111.2	227.5	684.3	-.1682	209.1	205.5	207.5
Pb2203	275.7	202.3	501.7	4726.	1.534	211.1	212.0	211.6
Sb2068	1.319	1.403	.2215	10.34	-1.997	200.0	199.1	201.9
Se1960	8.637	9.344	8.431	13.61	.5103	206.7	203.9	208.4
Tl1908	-3.859	-3.547	-3.112	-3.810	-.6524	207.0	203.2	206.4
V_2924	291.8	268.9	238.6	260.5	-.4112	213.6	205.7	205.9
Zn2062	412.7	355.2	420.8	2445.	-1.064	212.3	211.9	215.2
Mo2020	16.53	4.764	32.25	29.46	-.4886	207.1	202.9	204.7
Ti3372	1812.	1870.	2449.	5303.	.2645	209.7	205.2	206.3
B_2089	41.55	33.49	231.0	30.85	-.3366	200.7	200.0	202.3
Si2881A	6093.	6285.	5635.	6868.	4.051	4529.	4104.	5078.
Si2881R	6256.	6374.	5766.	7125.	58.16	4379.	4085.	5118.
Sn1899	15.41	8.357	26.56	63.74	-.6157	208.5	210.0	207.7
Sr3464	69.03	114.4	367.3	573.1	-1.241	211.2	206.4	207.3
Y_2243-A	30541.	31649.	31265.	28991.	30265.	29880.	29437.	29456.
Y_3203-A	50228.	50869.	51924.	49000.	49663.	47829.	48828.	48893.
Y_3600-R	15302.	15976.	16065.	15174.	14829.	14616.	14460.	14154.

SUMMARY - VERTICAL REPORT

	B108066-BSD2	CCV	CCB	AN03581	AN03581 MS	AN03581 SDL	1108019-1	B108066-MS2
	11 Aug 2011 16:42:02	11 Aug 2011 16:45:52	11 Aug 2011 16:49:41	11 Aug 2011 16:53:43	11 Aug 2011 16:57:45	11 Aug 2011 17:01:36	11 Aug 2011 17:05:35	11 Aug 2011 17:09:35
Ag3280	207.5	204.4	.6873	-.1100	206.5	204.0	-.3451	207.4
Al3961A	5013.	5094.	-3.741	5.764	5040.	4935.	39.39	5015.
Al3961R	4978.	4978.	-16.82	-16.16	4949.	4811.	83.86	5095.
As1890	206.4	202.4	-2.436	-2.540	209.5	194.0	-1.822	210.1
Ba4554R	208.2	201.7	.8750	.9883	208.2	206.8	145.5	349.5
Be3131R	200.7	191.1	-.3192	-.5627	200.0	198.7	-.2888	204.9
Ca3179R	5205.	5147.	-3.938	81.34	5304.	5141.	83600.	87180.
Cd2265	210.4	205.7	-.7387	-.6290	216.9	208.2	-.3809	210.4
Co2286	207.9	199.4	-.2134	-.5118	209.1	203.0	-.5050	206.7
Cr2677	212.8	218.5	-.2429	-.3437	211.0	207.6	.3310	206.8
Cu3247	206.2	212.9	-.1241	.8322	204.3	203.3	3.031	209.4
Fe2599A	5337.	5437.	1.247	3.760	5343.	5238.	47.15	5324.
Fe2599R	5168.	5210.	-.5349	4.956	5204.	5062.	47.68	5250.
K_7664R	4365.	5314.	-123.8	-176.2	4349.	3393.	678.8	5251.
Mg2790R	5172.	5210.	-9.310	19.67	5196.	5159.	14620.	19510.
Mn2576	215.2	216.8	-.3314	-.1846	213.4	209.4	1.392	211.6
Na5895R	5142.	5091.	-213.1	-134.4	5243.	4415.	8979.	14410.
Ni2316	208.7	205.7	.1115	.2896	209.2	207.3	.2474	206.5
Pb2203	212.7	208.6	1.403	1.837	213.9	211.3	2.279	212.0
Sb2068	202.0	196.8	1.408	-5.122	202.3	188.2	-5.021	204.0
Se1960	212.5	205.8	-1.715	.0456	209.9	202.6	-.6038	203.2
Tl1908	205.5	203.6	-2.854	-1.556	206.8	199.7	-1.409	201.4
V_2924	208.6	207.0	-.5072	-1.032	208.4	201.4	-.2903	206.6
Zn2062	214.9	210.3	-1.169	.4254	219.9	208.9	9.954	219.4
Mo2020	206.1	204.0	-.4712	-.4770	206.0	201.9	.4301	207.7
Ti3372	208.0	204.2	-.4932	-.2691	207.1	205.3	.2007	208.3
B_2089	201.8	200.9	-2.487	-1.426	202.9	195.2	32.11	242.2
Si2881A	4243.	5148.	-1.392	8.277	4240.	4290.	4431.	8691.
Si2881R	4226.	5053.	39.42	21.71	4269.	4256.	4414.	8609.
Sn1899	208.0	210.3	-.6289	-.2459	209.8	204.0	-.9639	205.3
Sr3464	208.6	211.8	-1.681	-1.055	209.1	206.7	292.9	493.0
Y_2243-A	29853.	29701.	28888.	29188.	28601.	28854.	28687.	29188.
Y_3203-A	48976.	47827.	47271.	48307.	47314.	47744.	47055.	49219.
Y_3600-R	14569.	14069.	13869.	14215.	13747.	14060.	13586.	14778.

SUMMARY - VERTICAL REPORT

	B108066-MSD2	1108019-2	1108004-06RE1	1108004-07RE1	1108006-09RE1	CCV	CCB	1108006-10RE1
	11 Aug 2011 17:13:24	11 Aug 2011 17:17:23	11 Aug 2011 17:21:29	11 Aug 2011 17:25:36	11 Aug 2011 17:29:51	11 Aug 2011 17:34:03	11 Aug 2011 17:37:53	11 Aug 2011 17:41:54
Ag3280	41.25	.5449	-.0456	-.1477	.8632	200.1	-.4023	.2004
Al3961A	999.2	.3761	9687.	10990.	12540.	5011.	-2.894	12190.
Al3961R	989.7	75.07	9537.	11170.	12880.	4996.	-28.83	12230.
As1890	39.36	-1.522	22.90	14.77	17.36	202.5	-2.895	38.37
Ba4554R	68.00	89.42	418.2	302.5	232.3	202.2	-.1308	585.6
Be3131R	39.91	-.5035	.3331	.4531	.4024	193.0	-.6170	3.751
Ca3179R	17120.	158400.	4816.	12980.	31650.	5164.	-3.419	5865.
Cd2265	41.15	-.4088	-.7897	-.8655	-1.147	212.9	-.4778	-.7639
Co2286	40.49	-.1747	8.357	8.896	26.86	199.9	-.0526	25.00
Cr2677	41.37	.8561	16.17	21.91	502.3	209.7	-.0779	24.99
Cu3247	41.11	5.845	30.79	36.97	413.7	208.2	-.1662	52.78
Fe2599A	1046.	2.050	F 91500.	70830.	F 90960.	5379.	9.599	70460.
Fe2599R	1019.	-1.009	97200.	74250.	96480.	5222.	10.74	73900.
K_7664R	896.2	1813.	842.4	1477.	812.2	5380.	-282.4	680.7
Mg2790R	3821.	19620.	735.2	3332.	2409.	5177.	8.618	503.8
Mn2576	41.85	18.08	121.1	291.7	267.9	211.3	-.2063	27.80
Na5895R	2682.	14070.	1323.	987.7	1120.	5213.	-180.5	-71.06
Ni2316	40.62	1.802	26.54	27.04	4038.	203.5	.2102	53.49
Pb2203	41.73	.3465	8.994	53.72	373.6	208.7	.2769	24.08
Sb2068	38.74	-1.745	-1.461	-1.978	5.200	197.0	-2.331	-1.869
Se1960	37.34	-1.201	2.832	.3232	4.560	198.6	-1.828	1.451
Tl1908	38.09	-.5888	-1.204	-1.248	-.1003	201.4	-.7996	-1.854
V_2924	40.26	-.6192	45.29	51.81	582.2	203.1	-.4937	78.66
Zn2062	42.16	17.47	17.56	118.2	236.3	207.3	-1.139	61.02
Mo2020	40.97	.3900	4.679	.7238	4.203	203.0	-.4564	1.866
Ti3372	41.65	.1669	565.1	488.8	557.1	202.8	-.2560	866.0
B_2089	46.18	609.4	19.36	28.83	27.98	204.2	-1.946	4.494
Si2881A	1753.	7676.	461.5	602.0	926.3	5083.	-1.960	707.5
Si2881R	1737.	7624.	497.4	617.3	907.8	5045.	18.99	729.6
Sn1899	39.85	-.3296	.8374	4.430	11.75	206.1	-.1063	1.561
Sr3464	97.05	428.2	162.8	192.5	247.2	206.9	-1.163	1067.
Y_2243-A	29631.	28722.	29605.	29604.	29811.	29191.	28988.	29391.
Y_3203-A	49637.	48623.	49576.	49065.	48690.	48109.	47050.	48446.
Y_3600-R	15117.	15233.	15076.	14813.	14978.	14046.	13947.	14270.

SUMMARY - VERTICAL REPORT

	1108012-10RE1	1108012-11RE1	B108066-BS3	CCV	CCB	RL	2RL	IOS
	11 Aug 2011 17:46:11	11 Aug 2011 17:50:28	11 Aug 2011 17:54:35	11 Aug 2011 17:58:26	11 Aug 2011 18:02:16	11 Aug 2011 18:06:17	11 Aug 2011 18:10:18	11 Aug 2011 18:14:17
Ag3280	.0519	-.0286	206.3	198.8	.0609	5.606	11.14	.6924
Al3961A	11030.	9714.	5079.	5037.	-2.162	109.3	210.5	^F *****
Al3961R	11080.	9614.	4988.	4977.	-10.49	84.32	200.8	309700.
As1890	10.65	9.130	206.0	200.8	-1.191	6.857	17.31	-.8524
Ba4554R	316.3	270.5	209.3	202.1	.5066	103.3	206.8	.2672
Be3131R	.3895	.0562	201.2	193.2	-.6124	2.563	5.644	.0432
Ca3179R	3649.	3085.	5186.	5155.	-9.014	502.0	1025.	291000.
Cd2265	-.6549	-1.047	209.5	211.7	-.7411	2.540	5.800	-2.569
Co2286	9.978	9.200	206.4	199.7	-.2661	20.56	41.33	-1.191
Cr2677	26.92	24.09	207.4	208.1	-.1389	5.686	11.33	1.124
Cu3247	76.97	54.43	205.7	207.9	.1048	11.23	22.15	1.974
Fe2599A	67740.	61700.	5265.	5327.	2.516	46.35	100.7	^ *****
Fe2599R	69870.	62790.	5125.	5172.	.0185	43.81	97.95	286500.
K_7664R	744.2	571.7	4326.	5311.	-81.39	424.7	889.0	106.1
Mg2790R	2000.	1902.	5105.	5161.	15.23	523.1	1030.	293800.
Mn2576	383.0	329.7	209.9	210.3	-.2844	5.234	10.70	-.5838
Na5895R	1278.	1102.	5246.	5229.	-192.6	876.9	1980.	317600.
Ni2316	134.5	87.83	207.1	202.4	.7503	20.54	40.79	-3.816
Pb2203	53.71	51.49	210.3	210.5	1.534	8.886	16.88	-1.292
Sb2068	-.3127	-2.437	199.8	200.2	-4.591	17.71	36.97	-.6588
Se1960	3.754	2.456	207.4	198.8	.4330	18.91	41.80	11.80
Tl1908	-.2590	-1.531	203.9	202.9	-2.406	19.14	39.64	.5493
V_2924	44.72	39.60	206.5	200.2	-.4185	19.73	40.94	-1.795
Zn2062	114.5	98.58	210.6	205.7	-1.196	21.65	45.01	2.234
Mo2020	1.218	1.457	204.3	202.6	-.3942	10.30	20.45	-2.497
Ti3372	580.5	534.8	206.6	201.3	-.3536	10.23	23.49	1.221
B_2089	9.298	7.788	203.0	206.3	-1.585	9.514	18.86	-2.012
Si2881A	555.0	561.5	4458.	5062.	1.039	523.1	1044.	-8.055
Si2881R	581.9	599.2	4390.	5034.	11.97	558.8	1070.	52.33
Sn1899	2.051	2.018	206.5	206.1	-.8455	10.10	21.47	.9425
Sr3464	110.6	93.90	206.6	206.7	-1.348	8.730	19.84	.6879
Y_2243-A	29013.	28978.	29459.	28728.	29121.	28669.	28823.	26764.
Y_3203-A	48552.	48782.	48818.	47968.	48299.	47617.	47657.	44209.
Y_3600-R	14132.	14252.	14346.	14141.	14531.	14180.	14029.	13914.

Sample Name: Blank Acquired: 8/11/2011 13:48:02 Type: Cal
Method: PROMIUM(v18) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0010**	**.0081**	**.0001**	**.0001**	**.0108**	**.0022**	**.0067**	**.0001**	**.0001**	**.0001**	**.0265**
Stddev	.0003	.0002	.0006	.0000	.0011	.0007	.0008	.0001	.0001	.0004	.0003
%RSD	32.15	2.876	596.6	58.29	10.42	33.00	11.97	118.3	61.34	341.0	.9558
#1	-.0007	.0084	-.0002	.0000	.0096	.0028	.0071	.0000	.0002	.0000	.0263
#2	-.0010	.0081	.0008	.0001	.0118	.0014	.0058	.0003	.0001	.0006	.0267
#3	-.0013	.0079	-.0003	.0001	.0109	.0024	.0072	.0001	.0001	-.0002	.0267

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0052**	**.0007**	**-.0086**	**.0002**	**.0014**	**.0146**	**-.0001**	**.0000**	**.0001**	**.0003**	**-.0002**
Stddev	.0004	.0002	.0015	.0004	.0001	.0020	.0001	.0001	.0001	.0001	.0000
%RSD	7.656	24.86	18.02	209.9	5.484	13.67	159.6	2408.	58.62	19.47	24.29
#1	.0057	.0008	-.0101	.0001	.0014	.0166	-.0001	.0000	.0001	.0002	-.0001
#2	.0050	.0005	-.0086	-.0001	.0015	.0146	-.0001	-.0001	.0001	.0003	-.0002
#3	.0050	.0009	-.0070	.0006	.0013	.0126	.0001	.0002	.0000	.0003	-.0001

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0002**	**.0027**	**.0001**	**-.0007**	**-.0004**	**.0061**	**.0001**	**.0001**	**.0002**
Stddev	.0005	.0001	.0001	.0001	.0001	.0003	.0003	.0001	.0001
%RSD	347.0	3.576	91.68	19.11	20.97	4.743	500.7	248.9	44.91
#1	-.0007	.0027	.0000	-.0005	-.0005	.0064	-.0002	-.0001	.0001
#2	.0002	.0028	.0001	-.0008	-.0005	.0060	.0004	.0002	.0002
#3	.0000	.0026	.0001	-.0007	-.0003	.0059	.0000	.0001	.0002

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29384.**	**48973.**	**16793.**
Stddev	241.	309.	172.
%RSD	.82144	.63100	1.0230
#1	29617.	48617.	16607.
#2	29399.	49125.	16829.
#3	29135.	49177.	16945.

Sample Name: MID STD Acquired: 8/11/2011 13:52:00 Type: Cal
Method: PROMIUM(v18) Mode: IR Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.3695**	**3.377**	**.2186**	**.1431**	**9.070**	**8.817**	**.6072**	**1.911**	**2.009**	**2.974**	**4.409**
Stddev	.0027	.035	.0005	.0003	.012	.015	.0030	.010	.003	.022	.049
%RSD	.7349	1.037	.2457	.2347	.1302	.1642	.4955	.5162	.1409	.7552	1.104
#1	.3704	3.405	.2179	.1431	9.060	8.818	.6059	1.921	2.010	2.967	4.418
#2	.3665	3.338	.2189	.1428	9.083	8.802	.6107	1.910	2.005	2.957	4.357
#3	.3717	3.388	.2188	.1435	9.066	8.831	.6051	1.902	2.010	3.000	4.453

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.780**	**.4039**	**.1197**	**.0765**	**16.40**	**.4433**	**1.111**	**.4936**	**.2290**	**.1351**	**.2350**
Stddev	.004	.0024	.0013	.0002	.14	.0033	.002	.0005	.0014	.0009	.0016
%RSD	.1343	.5954	1.054	.2509	.8594	.7508	.1951	.0918	.5925	.6720	.6641
#1	2.782	.4046	.1188	.0766	16.55	.4441	1.109	.4940	.2290	.1342	.2338
#2	2.775	.4058	.1191	.0762	16.27	.4461	1.110	.4931	.2276	.1349	.2345
#3	2.781	.4012	.1211	.0765	16.37	.4396	1.113	.4937	.2303	.1360	.2368

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.491**	**2.891**	**1.242**	**9.410**	**.5748**	**.7022**	**.1111**	**2.748**	**.3716**
Stddev	.014	.007	.005	.115	.0033	.0039	.0006	.010	.0012
%RSD	.4118	.2266	.3858	1.223	.5820	.5492	.5433	.3718	.3267
#1	3.497	2.886	1.240	9.543	.5766	.7055	.1108	2.750	.3703
#2	3.475	2.899	1.238	9.346	.5709	.6980	.1118	2.737	.3717
#3	3.502	2.889	1.247	9.341	.5768	.7031	.1107	2.758	.3728

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28681.**	**47629.**	**15745.**
Stddev	346.	540.	249.
%RSD	1.2081	1.1348	1.5808
#1	28475.	47295.	15803.
#2	28487.	47341.	15473.
#3	29081.	48253.	15961.

Sample Name: HIGH STD Acquired: 8/11/2011 13:56:00 Type: Cal
Method: PROMIUM(v18) Mode: IR Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.7406**	**6.750**	**.4389**	**.2868**	**18.34**	**17.84**	**1.205**	**3.715**	**4.026**	**5.903**	**8.733**
Stddev	.0072	.042	.0005	.0023	.02	.20	.003	.076	.015	.106	.059
%RSD	.9660	.6232	.1085	.8172	.1204	1.120	.2779	2.043	.3603	1.797	.6750
#1	.7328	6.706	.4383	.2878	18.32	17.73	1.209	3.751	4.033	5.784	8.761
#2	.7468	6.790	.4392	.2842	18.34	18.07	1.205	3.628	4.009	5.940	8.665
#3	.7423	6.753	.4391	.2886	18.36	17.73	1.202	3.767	4.036	5.986	8.773

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.436**	**.8021**	**.2455**	**.1520**	**32.35**	**.8825**	**2.227**	**.9768**	**.4615**	**.2712**	**.4691**
Stddev	.056	.0050	.0023	.0018	.33	.0016	.001	.0094	.0022	.0004	.0010
%RSD	1.035	.6236	.9501	1.166	1.035	.1815	.0514	.9652	.4763	.1598	.2144
#1	5.377	.8034	.2431	.1532	32.39	.8807	2.228	.9810	.4629	.2717	.4699
#2	5.489	.8063	.2456	.1527	32.67	.8829	2.228	.9661	.4589	.2709	.4680
#3	5.440	.7965	.2478	.1499	32.00	.8839	2.226	.9835	.4626	.2710	.4694

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.944**	**5.665**	**2.505**	**18.85**	**1.155**	**1.408**	**.2211**	**5.492**	**.7337**
Stddev	.007	.034	.001	.20	.007	.012	.0009	.022	.0010
%RSD	.0995	.5972	.0385	1.080	.5767	.8463	.4293	.4100	.1345
#1	6.948	5.685	2.505	18.72	1.158	1.395	.2209	5.466	.7344
#2	6.947	5.626	2.506	19.08	1.148	1.418	.2222	5.502	.7326
#3	6.936	5.683	2.504	18.74	1.161	1.411	.2203	5.508	.7342

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28390.**	**48045.**	**16123.**
Stddev	170.	353.	150.
%RSD	.59885	.73383	.93090
#1	28560.	48447.	16271.
#2	28389.	47786.	16126.
#3	28220.	47903.	15971.

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	MDL	MQL
Ag 328.068 {103}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	-0.000969	0.000742	0.000000	1.000000	1.000000	0.014754	0.044263	0.147543
Al 396.152 { 85}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.008127	0.000661	0.000000	1.000000	1.000000	0.033267	0.099800	0.332665
Al 396.152 { 85}2	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.000096	0.000042	0.000000	1.000000	0.999998	0.256332	0.768997	2.563325
As 189.042 {478}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.000062	0.000029	0.000000	1.000000	0.999999	0.124949	0.374847	1.249489
Ba 455.403 { 74}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.010751	0.001826	0.000000	1.000000	0.999985	0.668553	2.005658	6.685527
Be 313.107 {108}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.002145	0.001776	0.000000	1.000000	0.999984	0.689730	2.069189	6.897297
Ca 317.933 {106}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.006693	0.000120	0.000000	1.000000	1.000000	0.122005	0.366014	1.220048
Cd 226.502 {449}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.000138	0.000375	0.000000	1.000000	0.999910	1.639793	4.919378	16.397928
Co 228.616 {447}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.000109	0.000402	0.000000	1.000000	0.999999	0.129281	0.387842	1.292806
Cr 267.716 {126}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.000128	0.000592	0.000000	1.000000	0.999993	0.443484	1.330451	4.434836
Cu 324.754 {104}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.026560	0.000875	0.000000	1.000000	0.999995	0.390653	1.171958	3.906525
Fe 259.940 {130}	8/11/2011 14:00:35	8/11/2011 14:00:35	Linear	1/Conc	0.005228	0.000547	0.000000	1.000000	0.999948	1.252391	3.757172	12.523906
Fe 259.940 {130}2	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000740	0.000080	0.000000	1.000000	0.999996	0.352139	1.056417	3.521390
K 766.490 { 44}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	-0.008583	0.000025	0.000000	1.000000	0.999990	0.541417	1.624251	5.414169
Mg 279.079 {121}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000187	0.000015	0.000000	1.000000	0.999997	0.284412	0.853236	2.844121
Mn 257.610 {131}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.001469	0.003250	0.000000	1.000000	0.999979	0.783903	2.351710	7.839032
Na 589.592 { 57}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.014597	0.000086	0.000000	1.000000	0.999984	0.700002	2.100006	7.000020
Ni 231.604 {445}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	-0.000071	0.000223	0.000000	1.000000	0.999999	0.137358	0.412074	1.373581
Pb 220.353 {453}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000008	0.000098	0.000000	1.000000	0.999988	0.604411	1.813234	6.044112
Sb 206.833 {463}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000095	0.000046	0.000000	1.000000	0.999993	0.449782	1.349345	4.497816
Se 196.090 {472}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000261	0.000027	0.000000	1.000000	0.999997	0.292028	0.876085	2.920283
Ti 190.856 {477}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	-0.000162	0.000047	0.000000	1.000000	0.999999	0.142085	0.426256	1.420854
V 292.402 {115}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	-0.000144	0.000696	0.000000	1.000000	0.999997	0.318437	0.955312	3.184374
Zn 206.200 {463}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.002737	0.000571	0.000000	1.000000	0.999955	1.165830	3.497491	11.658305
Mo 202.030 {467}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000066	0.000250	0.000000	1.000000	0.999992	0.497010	1.491030	4.970101
Ti 337.280 {100}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	-0.000664	0.001885	0.000000	1.000000	1.000000	0.081042	0.243126	0.810419
B 208.959 {461}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	-0.000445	0.000110	0.000000	1.000000	0.999997	0.288429	0.865287	2.884289
Si 288.158 {117}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.006110	0.000139	0.000000	1.000000	0.999994	0.415385	1.246155	4.153851
Si 288.158 {117}2	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000060	0.000022	0.000000	1.000000	0.999998	0.256574	0.769722	2.565739
Sr 346.446 { 97}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000060	0.000549	0.000000	1.000000	1.000000	0.046862	0.140587	0.468624
Sn 189.989 {477}	8/11/2011 14:00:36	8/11/2011 14:00:36	Linear	1/Conc	0.000158	0.000074	0.000000	1.000000	0.999982	0.728156	2.184467	7.281556
Y 224.306 {450}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000
Y 320.332 {105}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	0.000000	0.000000
Y 360.073 { 94}*	<not fit>	<Never Calibrated>	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	111.803399	0.000000	0.000000

Sample Name: ICV Acquired: 8/11/2011 14:00:42 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.2**	**4916.**	**4850.**	**197.8**	**197.6**	**197.8**	**5031.**	**200.5**	**196.4**	**209.5**	**211.7**
Stddev	.3	18.	24.	2.5	1.6	.9	18.	1.8	1.4	2.3	1.7
%RSD	.1753	.3674	.4891	1.273	.7969	.4748	.3562	.8760	.6992	1.084	.7814
#1	197.8	4931.	4848.	198.7	198.8	198.6	5013.	199.8	198.0	211.9	213.3
#2	198.5	4921.	4874.	195.0	198.2	198.0	5049.	199.2	195.4	209.2	211.6
#3	198.3	4896.	4827.	199.8	195.8	196.8	5031.	202.5	195.8	207.3	210.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5147.**	**5066.**	**5153.**	**5041.**	**210.0**	**4976.**	**199.6**	**201.2**	**196.2**	**197.6**	**201.8**
Stddev	1.	28.	69.	21.	2.2	12.	1.9	2.9	1.5	2.8	.8
%RSD	.0259	.5600	1.339	.4133	1.051	.2369	.9533	1.417	.7463	1.425	.4172
#1	5148.	5033.	5230.	5064.	212.5	4975.	201.8	204.4	197.0	199.8	200.9
#2	5148.	5083.	5097.	5024.	209.2	4988.	198.9	199.0	197.2	198.6	201.8
#3	5146.	5081.	5133.	5035.	208.2	4965.	198.1	200.3	194.6	194.4	202.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**202.3**	**197.0**	**203.2**	**202.9**	**211.9**	**5017.**	**4998.**	**205.6**	**201.4**
Stddev	.9	.9	1.9	1.2	2.2	12.	8.	1.9	1.2
%RSD	.4550	.4677	.9394	.5979	1.055	.2396	.1603	.9002	.6092
#1	203.2	198.1	205.2	204.3	214.5	5010.	4990.	207.8	202.9
#2	202.2	196.5	202.7	202.3	210.2	5031.	5006.	204.6	200.8
#3	201.4	196.5	201.5	202.1	211.1	5010.	5000.	204.5	200.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29367.**	**48266.**	**16343.**
Stddev	255.	327.	157.
%RSD	.86672	.67842	.95862
#1	29588.	48022.	16305.
#2	29425.	48638.	16516.
#3	29089.	48137.	16210.

Sample Name: ICB Acquired: 8/11/2011 14:04:35 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0043**	**-2.342**	**10.25**	**-2.278**	**-.1154**	**-.2452**	**-9.222**	**-.0289**	**.2739**	**-.1974**	**.4960**
Stddev	.3712	.279	16.04	.757	.4663	.2393	3.839	.1473	.3071	.5134	.5004
%RSD	8604.	11.91	156.5	33.21	404.0	97.58	41.62	510.2	112.1	260.1	100.9
#1	.0123	-2.478	28.51	-2.797	.3592	-.4671	-8.383	.0153	.6203	-.7247	.0218
#2	.3714	-2.528	-1.605	-2.628	-.5729	-.2769	-5.873	.0913	.0351	.3008	.4472
#3	-.3708	-2.021	3.850	-1.410	-.1326	.0083	-13.41	-.1932	.1664	-.1682	1.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.208**	**-6.726**	**-42.87**	**6.157**	**.1589**	**-169.7**	**.4148**	**.9968**	**-1.306**	**-1.168**	**-.3892**
Stddev	.154	.419	9.85	16.21	.0657	9.8	.1305	1.402	2.031	2.615	.3090
%RSD	2.960	6.224	22.97	263.3	41.38	5.764	31.46	140.7	155.4	224.0	79.39
#1	-5.081	-6.820	-31.52	18.78	.2333	-158.9	.5126	1.797	-2.836	-3.796	-.0328
#2	-5.165	-6.269	-48.01	-12.13	.1087	-178.0	.4653	1.816	.9972	1.434	-.5527
#3	-5.380	-7.090	-49.09	11.82	.1346	-172.1	.2666	-.6225	-2.080	-1.141	-.5821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3616**	**-1.096**	**.4108**	**.1481**	**2.718**	**3.375**	**12.87**	**-.5224**	**-.2179**
Stddev	.0399	.097	.1242	.1919	.914	.949	5.97	.6193	.5966
%RSD	11.03	8.855	30.23	129.6	33.63	28.12	46.41	118.5	273.8
#1	.3176	-1.125	.4577	.3691	3.770	3.090	5.996	.1901	-.7563
#2	.3953	-1.176	.5047	.0498	2.120	2.601	16.80	-.9316	.4234
#3	.3720	-.9880	.2700	.0253	2.264	4.434	15.80	-.8258	-.3208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28888.**	**48811.**	**16905.**
Stddev	230.	377.	387.
%RSD	.79479	.77279	2.2903
#1	29049.	48793.	17347.
#2	28990.	48443.	16744.
#3	28625.	49197.	16625.

Sample Name: RL Acquired: 8/11/2011 14:08:36 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.468**	**111.6**	**95.11**	**7.169**	**100.9**	**2.656**	**502.0**	**2.401**	**20.05**	**5.726**	**11.72**
Stddev	.368	2.4	14.11	2.109	1.2	.041	7.3	.148	.39	.120	.66
%RSD	6.739	2.192	14.84	29.41	1.178	1.552	1.458	6.173	1.932	2.097	5.624
#1	5.494	109.4	111.3	9.531	100.1	2.627	497.3	2.235	20.13	5.843	12.20
#2	5.823	111.0	88.66	5.474	100.3	2.637	498.4	2.447	20.40	5.732	10.97
#3	5.087	114.2	85.38	6.504	102.3	2.703	510.5	2.521	19.64	5.604	11.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**45.46**	**42.33**	**496.3**	**505.7**	**5.190**	**890.8**	**19.33**	**8.663**	**15.47**	**19.66**	**21.87**
Stddev	.38	4.42	82.7	8.4	.095	13.9	.46	2.135	1.40	1.13	1.93
%RSD	.8397	10.44	16.66	1.653	1.839	1.565	2.357	24.64	9.040	5.759	8.823
#1	45.73	37.72	560.4	499.9	5.246	894.0	19.69	10.93	15.19	19.49	22.34
#2	45.03	46.53	525.6	502.0	5.080	875.6	18.82	8.363	16.98	18.62	19.75
#3	45.63	42.75	403.0	515.3	5.245	902.9	19.47	6.693	14.23	20.87	23.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.83**	**20.29**	**10.04**	**10.18**	**12.51**	**526.2**	**539.4**	**9.675**	**9.337**
Stddev	.13	.44	.14	.23	.38	5.6	10.8	.968	.394
%RSD	.6336	2.176	1.432	2.237	3.040	1.069	2.005	10.00	4.214
#1	19.97	19.95	9.873	10.27	12.90	520.2	529.4	9.207	9.236
#2	19.73	20.79	10.10	9.923	12.51	531.4	537.9	10.79	9.771
#3	19.78	20.12	10.14	10.35	12.14	526.9	550.9	9.031	9.004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28704.**	**48311.**	**16725.**
Stddev	122.	446.	209.
%RSD	.42385	.92276	1.2482
#1	28659.	48472.	16871.
#2	28612.	48655.	16818.
#3	28842.	47808.	16486.

Sample Name: 2RL Acquired: 8/11/2011 14:12:37 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.32**	**211.4**	**201.4**	**14.45**	**200.3**	**5.918**	**1005.**	**5.197**	**40.31**	**11.00**	**22.37**
Stddev	.42	1.9	19.3	2.78	.6	.304	9.	.097	.30	.12	.30
%RSD	4.078	.8945	9.566	19.23	.3222	5.131	.9064	1.865	.7486	1.081	1.354
#1	10.66	213.0	221.1	12.58	200.4	5.965	1016.	5.286	40.66	10.95	22.70
#2	9.849	209.3	182.6	17.64	199.6	5.594	1000.0	5.093	40.15	11.14	22.28
#3	10.46	211.8	200.4	13.11	200.9	6.196	1000.	5.210	40.12	10.91	22.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**97.51**	**96.26**	**963.7**	**1013.**	**10.59**	**1898.**	**40.21**	**16.80**	**37.85**	**36.87**	**38.91**
Stddev	.76	2.12	95.0	18.	.06	17.	.24	1.84	1.59	3.68	1.27
%RSD	.7811	2.202	9.863	1.780	.5488	.8866	.6028	10.95	4.194	9.992	3.262
#1	98.24	97.68	870.6	1015.	10.55	1889.	40.08	18.55	36.08	35.97	40.09
#2	96.72	97.28	1061.	1030.	10.66	1917.	40.06	14.88	38.34	33.71	39.06
#3	97.58	93.82	959.9	993.8	10.56	1887.	40.49	16.98	39.14	40.92	37.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.95**	**41.63**	**20.67**	**20.62**	**22.25**	**1044.**	**1057.**	**19.71**	**20.27**
Stddev	.52	.10	.24	.03	.64	9.	20.	.54	.13
%RSD	1.265	.2427	1.156	.1518	2.898	.8910	1.879	2.764	.6459
#1	41.18	41.56	20.79	20.59	22.80	1055.	1078.	19.85	20.34
#2	41.31	41.59	20.83	20.61	22.41	1036.	1039.	20.16	20.12
#3	40.36	41.74	20.40	20.65	21.54	1042.	1055.	19.10	20.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29003.**	**48277.**	**16873.**
Stddev	235.	550.	149.
%RSD	.81023	1.1385	.88231
#1	29213.	47909.	16959.
#2	28749.	48909.	16701.
#3	29047.	48015.	16959.

Sample Name: IOS Acquired: 8/11/2011 14:16:37 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5645**	^F *****	**306100.**	**.7716**	**-.3158**	**-.0289**	**290200.**	**-2.399**	**-1.013**	**.6772**	**2.419**
Stddev	.3065	-----	3084.	1.301	.8535	.3251	7471.	.633	.102	.6150	.192
%RSD	54.29	-----	1.007	168.6	270.3	1125.	2.575	26.40	10.11	90.82	7.954
#1	.2289	^ -----	309400.	-.7136	.5719	-.1595	297900.	-2.173	-1.079	.2794	2.251
#2	.8295	^ -----	303300.	1.710	-1.130	-.2684	289500.	-1.909	-.8952	.3666	2.629
#3	.6352	^ -----	305700.	1.318	-.3888	.3412	283000.	-3.114	-1.065	1.386	2.377
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**281000.**	**327.6**	**290800.**	**-.4984**	**302200.**	**-3.071**	**.8366**	**3.758**	**14.98**	**2.289**
Stddev	-----	1312.	42.1	449.	.0493	4029.	.311	1.818	3.649	1.62	1.525
%RSD	-----	.4669	12.85	.1543	9.891	1.333	10.12	217.3	97.09	10.84	66.64
#1	^ -----	282400.	335.8	291200.	-.4547	306000.	-3.232	1.145	5.890	15.96	.5305
#2	^ -----	280800.	365.0	290300.	-.5518	302600.	-3.268	2.481	5.840	13.11	3.081
#3	^ -----	279900.	282.0	290700.	-.4886	298000.	-2.713	-1.116	-.4549	15.88	3.255
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.428**	**1.511**	**-2.380**	**1.573**	**.3477**	**-9.488**	**64.63**	**.0996**	**1.827**
Stddev	.346	.304	.907	.087	1.495	1.005	11.67	.3812	1.170
%RSD	24.25	20.09	38.09	5.532	429.9	10.59	18.05	382.6	64.02
#1	-1.032	1.815	-1.606	1.575	2.059	-9.146	62.08	-.2652	.5644
#2	-1.676	1.510	-2.157	1.485	-.7009	-10.62	77.36	.0687	2.044
#3	-1.576	1.208	-3.378	1.658	-.3153	-8.698	54.45	.4953	2.874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**26238.**	**44153.**	**16129.**
Stddev	266.	368.	145.
%RSD	1.0127	.83296	.89812
#1	26035.	44431.	16065.
#2	26538.	43736.	16027.
#3	26140.	44292.	16295.

Sample Name: PBS B19P10 Acquired: 8/11/2011 14:21:10 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 0.087720
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0368**	**1.322**	**1.337**	**-.1790**	**-.0071**	**-.0531**	**1.201**	**-.0722**	**-.0378**	**-.0032**	**-.0164**
Stddev	.0669	.227	1.565	.0250	.0942	.0281	.375	.0124	.0208	.0477	.0448
%RSD	182.0	17.19	117.0	13.97	1330.	52.93	31.25	17.23	55.08	1503.	273.0
#1	-.0163	1.552	1.958	-.1951	.1014	-.0732	1.558	-.0865	-.0218	-.0582	.0220
#2	.1119	1.317	2.496	-.1502	-.0543	-.0210	1.234	-.0658	-.0302	.0251	-.0057
#3	.0147	1.098	-.4429	-.1917	-.0684	-.0651	.8101	-.0642	-.0614	.0236	-.0656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.188**	**1.200**	**-.9220**	**2.193**	**-.0375**	**15.62**	**.0299**	**-.0142**	**-.3822**	**-.1787**	**.0213**
Stddev	.236	.324	2.820	1.267	.0082	5.38	.0211	.0265	.1879	.1988	.1431
%RSD	19.89	26.97	305.9	57.77	21.84	34.43	70.38	186.1	49.15	111.3	670.1
#1	1.409	1.285	2.144	3.081	-.0341	20.71	.0064	.0078	-.1858	-.0119	.1622
#2	1.217	1.473	-1.503	2.755	-.0316	16.18	.0470	-.0436	-.4006	-.3987	.0256
#3	.9387	.8426	-3.406	.7420	-.0469	9.989	.0364	-.0069	-.5602	-.1255	-.1238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0151**	**-.1373**	**-.0510**	**-.0261**	**.0537**	**-.1093**	**2.191**	**-.1475**	**-.0343**
Stddev	.0275	.0176	.0317	.0287	.0158	.0226	1.240	.0439	.0639
%RSD	182.3	12.84	62.23	109.6	29.37	20.70	56.62	29.74	186.2
#1	-.0463	-.1447	-.0277	.0040	.0715	-.1354	1.380	-.1243	.0392
#2	-.0051	-.1172	-.0872	-.0531	.0416	-.0943	3.618	-.1201	-.0768
#3	.0061	-.1501	-.0382	-.0293	.0479	-.0984	1.573	-.1981	-.0653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28657.**	**48933.**	**16593.**
Stddev	137.	705.	286.
%RSD	.47740	1.4402	1.7208
#1	28731.	49145.	16278.
#2	28741.	49509.	16666.
#3	28499.	48147.	16835.

Sample Name: LCSS-1 B19P10 Acquired: 8/11/2011 14:25:10 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 0.098040
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**48.40**	**8157.**	**9119.**	**102.4**	**294.7**	**85.92**	**6074.**	**100.2**	**120.5**	**87.65**	**75.28**
Stddev	.31	89.	47.	.1	1.1	.16	24.	.1	.1	.73	.49
%RSD	.6454	1.095	.5118	.1135	.3860	.1833	.3926	.1302	.1110	.8333	.6470
#1	48.04	8239.	9069.	102.3	293.6	85.74	6057.	100.0	120.4	86.80	74.73
#2	48.60	8062.	9162.	102.5	295.9	86.00	6101.	100.2	120.4	88.03	75.64
#3	48.56	8171.	9125.	102.4	294.6	86.02	6063.	100.3	120.6	88.11	75.47
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12260.**	**14100.**	**2523.**	**2785.**	**408.8**	**643.7**	**97.01**	**132.3**	**182.6**	**185.4**	**154.7**
Stddev	35.	31.	13.	7.	1.2	4.1	.09	.4	.9	.3	.4
%RSD	.2858	.2215	.5092	.2650	.2882	.6409	.0905	.2919	.5182	.1407	.2569
#1	12280.	14120.	2509.	2777.	408.3	641.4	97.09	132.4	183.5	185.7	154.3
#2	12280.	14120.	2534.	2788.	408.1	641.3	97.03	131.9	181.6	185.5	154.6
#3	12220.	14070.	2526.	2791.	410.2	648.5	96.92	132.6	182.7	185.1	155.1
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**104.0**	**268.3**	**76.53**	**238.5**	**130.2**	**970.7**	**1004.**	**96.27**	**132.9**
Stddev	.6	.3	.16	1.0	.0	7.2	1.	.16	.1
%RSD	.5990	.1004	.2096	.4052	.0296	.7383	.1047	.1690	.0912
#1	103.4	268.5	76.47	237.4	130.3	964.2	1004.	96.09	132.8
#2	104.6	268.0	76.41	239.4	130.2	978.4	1002.	96.33	132.8
#3	104.1	268.5	76.71	238.7	130.2	969.5	1004.	96.40	133.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29564.**	**50877.**	**17474.**
Stddev	62.	65.	246.
%RSD	.20862	.12733	1.4080
#1	29636.	50806.	17751.
#2	29531.	50933.	17391.
#3	29527.	50892.	17281.

Sample Name: LCSS-2 B19P10 Acquired: 8/11/2011 14:29:18 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 0.098040
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.25**	**8246.**	**9094.**	**101.3**	**301.4**	**85.72**	**6093.**	**97.68**	**120.2**	**93.63**	**76.97**
Stddev	.46	31.	60.	.3	2.0	.30	40.	.58	.1	.39	.41
%RSD	.9329	.3786	.6556	.2665	.6762	.3479	.6572	.5966	.0750	.4207	.5336
#1	48.74	8217.	9059.	101.2	299.9	85.39	6070.	97.03	120.2	93.21	76.51
#2	49.64	8279.	9061.	101.6	300.6	85.96	6070.	98.14	120.2	93.68	77.10
#3	49.36	8242.	9163.	101.0	303.7	85.81	6140.	97.88	120.1	93.99	77.31
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**12810.**	**14490.**	**2507.**	**2750.**	**416.7**	**644.0**	**97.87**	**133.4**	**177.9**	**188.8**	**155.4**
Stddev	19.	30.	4.	8.	.8	3.1	.30	.1	.6	.1	.3
%RSD	.1521	.2062	.1770	.2844	.2003	.4882	.3047	.0920	.3163	.0691	.1857
#1	12790.	14460.	2511.	2748.	416.8	641.0	98.20	133.3	178.5	188.9	155.6
#2	12820.	14480.	2502.	2758.	415.8	643.7	97.81	133.3	177.8	188.7	155.5
#3	12820.	14520.	2508.	2743.	417.4	647.3	97.62	133.5	177.3	188.8	155.1
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**108.1**	**270.0**	**79.11**	**237.1**	**129.6**	**1068.**	**1083.**	**99.30**	**133.0**
Stddev	.8	.3	.15	.6	.3	8.	7.	.09	.3
%RSD	.7729	.1214	.1876	.2601	.2255	.7858	.6038	.0891	.2606
#1	107.1	269.8	79.23	236.4	129.6	1058.	1080.	99.26	133.3
#2	108.6	270.4	78.94	237.5	129.8	1074.	1079.	99.40	132.9
#3	108.6	269.8	79.15	237.4	129.2	1071.	1091.	99.24	132.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29605.**	**49696.**	**16882.**
Stddev	26.	136.	81.
%RSD	.08727	.27336	.48115
#1	29618.	49829.	16938.
#2	29575.	49700.	16918.
#3	29622.	49558.	16789.

Sample Name: CCV Acquired: 8/11/2011 15:04:23 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.3**	**5093.**	**4972.**	**198.2**	**200.4**	**194.8**	**5171.**	**205.5**	**198.5**	**211.8**	**211.1**
Stddev	2.7	63.	13.	2.4	1.2	.4	32.	1.7	.2	2.2	3.1
%RSD	1.323	1.231	.2569	1.216	.6056	.2302	.6251	.8150	.0759	1.051	1.448
#1	199.1	5057.	4984.	195.4	200.6	195.3	5201.	205.1	198.3	210.5	209.2
#2	204.2	5166.	4973.	199.6	201.5	194.7	5175.	204.0	198.6	214.3	214.6
#3	200.5	5057.	4959.	199.6	199.1	194.4	5137.	207.3	198.4	210.5	209.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5405.**	**5272.**	**5257.**	**5151.**	**212.5**	**5045.**	**201.8**	**206.6**	**199.1**	**202.1**	**202.8**
Stddev	57.	39.	52.	18.	2.5	9.	.7	.5	1.6	2.3	1.5
%RSD	1.060	.7377	.9859	.3545	1.154	.1837	.3568	.2425	.8243	1.119	.7582
#1	5382.	5314.	5243.	5172.	210.8	5045.	202.4	206.2	197.5	203.6	202.4
#2	5471.	5264.	5213.	5140.	215.3	5035.	202.0	206.4	199.0	199.5	201.5
#3	5363.	5237.	5314.	5141.	211.4	5054.	201.0	207.2	200.8	203.2	204.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.2**	**204.3**	**203.0**	**204.5**	**203.6**	**5147.**	**5094.**	**209.5**	**205.9**
Stddev	2.4	.6	.5	2.5	.8	61.	40.	1.7	1.4
%RSD	1.190	.3039	.2311	1.226	.3974	1.189	.7875	.7874	.6610
#1	201.9	203.6	202.5	203.5	204.0	5112.	5134.	208.9	205.5
#2	206.0	204.5	203.1	207.4	202.7	5218.	5054.	211.4	204.8
#3	201.8	204.8	203.4	202.7	204.2	5111.	5096.	208.2	207.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29726.**	**48946.**	**15470.**
Stddev	138.	426.	239.
%RSD	.46401	.86988	1.5450
#1	29568.	48762.	15692.
#2	29789.	48643.	15217.
#3	29822.	49433.	15502.

Sample Name: CCB Acquired: 8/11/2011 15:08:13 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1295**	**1.521**	**-11.83**	**-.3211**	**.3348**	**-.6980**	**-.3976**	**-.6333**	**-.1950**	**-.4311**	**.3072**
Stddev	.0337	1.474	21.39	.5680	.6834	.6735	5.225	.3203	.3823	.2347	.6359
%RSD	26.04	96.91	180.9	176.9	204.1	96.49	1314.	50.57	196.0	54.44	207.0
#1	.1681	3.162	8.048	-.8321	.6950	.0796	2.778	-.3788	-.6339	-.2522	.5683
#2	.1139	1.092	-34.46	.2905	.7626	-1.076	2.458	-.9929	-.0160	-.3443	.7711
#3	.1063	.3091	-9.064	-.4218	-.4534	-1.097	-6.429	-.5282	.0649	-.6969	-.4177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31.96**	**33.12**	**-93.22**	**-8.669**	**-.1722**	**-205.2**	**.4509**	**1.888**	**-3.799**	**-4.284**	**.1016**
Stddev	6.59	9.40	61.25	12.53	.0260	25.3	.4448	.249	4.914	4.295	.9946
%RSD	20.61	28.39	65.71	144.5	15.12	12.34	98.64	13.21	129.3	100.3	979.0
#1	39.57	43.48	-29.73	-16.11	-.1598	-207.8	.4116	2.152	-6.817	-3.103	-1.026
#2	28.14	30.76	-151.9	5.798	-.1546	-229.1	.0271	1.656	-6.452	-9.045	.8549
#3	28.18	25.13	-97.98	-15.69	-.2021	-178.7	.9140	1.857	1.871	-.7026	.4756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5645**	**-1.109**	**-.6241**	**-.0117**	**-1.442**	**5.961**	**37.10**	**-.9307**	**-.7213**
Stddev	.4105	.234	.2365	.3280	.673	.437	9.91	.3290	.4528
%RSD	72.72	21.12	37.90	2810.	46.67	7.335	26.71	35.35	62.78
#1	-.0946	-.8430	-.3515	.3670	-1.973	5.577	29.31	-1.052	-.3024
#2	-.7454	-1.201	-.7460	-.1949	-.6853	5.869	33.74	-1.182	-1.202
#3	-.8535	-1.284	-.7747	-.2070	-1.667	6.437	48.26	-.5583	-.6598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29660.**	**48150.**	**14869.**
Stddev	363.	330.	344.
%RSD	1.2242	.68476	2.3153
#1	29243.	47790.	14916.
#2	29904.	48437.	14504.
#3	29833.	48223.	15188.

Sample Name: AN03572 Acquired: 8/11/2011 15:30:15 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6368	54470.	61050.	53.88	1007.	3.472	291800.	1.995	73.28	328.0
Stddev	.3991	664.	178.	.90	2.	.193	2496.	.372	.31	1.1
%RSD	62.66	1.220	.2921	1.665	.1783	5.552	.8555	18.64	.4207	.3377
#1	.3764	53970.	61130.	54.83	1009.	3.356	289000.	2.422	73.19	327.1
#2	1.096	54210.	60840.	53.77	1006.	3.694	292800.	1.823	73.62	327.7
#3	.4378	55220.	61170.	53.05	1006.	3.365	293600.	1.741	73.02	329.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1366.	F 148900.	171600.	12150.	179100.	3284.	1463.	605.2	5017.	13.19
Stddev	3.	3271.	474.	71.	348.	15.	6.	.7	13.	3.48
%RSD	.1840	2.197	.2764	.5811	.1942	.4604	.4168	.1121	.2593	26.39
#1	1366.	149100.	171300.	12070.	178900.	3266.	1461.	604.6	5028.	15.39
#2	1364.	145600.	171200.	12200.	178900.	3290.	1470.	605.0	5003.	15.00
#3	1369.	152100.	172100.	12170.	179500.	3294.	1459.	605.9	5021.	9.173
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.21	-2.176	240.9	2507.	57.09	5005.	26.76	4886.	5008.	465.9
Stddev	3.95	1.447	1.8	2.	.55	61.	.86	64.	19.	2.0
%RSD	35.19	66.49	.7284	.0732	.9698	1.225	3.230	1.300	.3756	.4311
#1	15.77	-3.063	241.2	2507.	57.72	4975.	27.37	4927.	5025.	464.3
#2	8.886	-.5064	239.1	2505.	56.68	4964.	27.14	4813.	4988.	465.3
#3	8.986	-2.958	242.5	2508.	56.87	5075.	25.77	4919.	5010.	468.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	82.22
Stddev	1.27
%RSD	1.542
#1	83.69
#2	81.48
#3	81.50
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	28773.	47928.	15310.
Stddev	255.	474.	87.
%RSD	.88504	.98798	.56879
#1	28836.	48000.	15245.
#2	28493.	48362.	15409.
#3	28990.	47423.	15277.

Sample Name: AN03573 Acquired: 8/11/2011 15:34:51 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.864**	**57640.**	**60950.**	**88.98**	**3352.**	**2.621**	**107200.**	**4.065**	**97.19**	**242.8**	**2071.**
Stddev	.210	489.	519.	1.35	23.	.133	770.	.326	.18	3.1	27.
%RSD	11.29	.8487	.8507	1.518	.6862	5.057	.7186	8.023	.1875	1.282	1.303
#1	1.725	58170.	60360.	88.10	3326.	2.616	106300.	4.140	96.99	243.3	2077.
#2	1.761	57200.	61270.	88.30	3365.	2.757	107600.	4.347	97.34	245.6	2094.
#3	2.106	57550.	61230.	90.53	3365.	2.492	107700.	3.708	97.23	239.5	2041.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**254700.**	**7660.**	**61860.**	**2186.**	**2253.**	**1319.**	**17050.**	**28.49**	**15.67**	**-1.193**
Stddev	-----	3328.	59.	79.	13.	12.	6.	49.	.92	3.05	2.761
%RSD	-----	1.306	.7694	.1278	.5747	.5513	.4720	.2867	3.240	19.47	231.4
#1	^ -----	250900.	7598.	61770.	2177.	2259.	1326.	17030.	27.92	18.12	1.783
#2	^ -----	256400.	7716.	61910.	2201.	2261.	1319.	17010.	27.99	16.62	-3.671
#3	^ -----	256900.	7667.	61910.	2181.	2239.	1313.	17100.	29.55	12.25	-1.691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**242.0**	**3302.**	**12.21**	**2916.**	**33.85**	**4944.**	**5030.**	**763.6**	**613.0**
Stddev	2.4	3.	.37	4.	.24	40.	122.	3.9	5.2
%RSD	.9951	.0906	3.051	.1487	.7031	.8076	2.422	.5101	.8517
#1	243.0	3298.	12.36	2917.	33.58	4935.	4914.	764.5	614.3
#2	243.8	3302.	11.79	2912.	34.02	4988.	5157.	767.0	617.5
#3	239.3	3304.	12.49	2921.	33.95	4910.	5019.	759.3	607.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29657.**	**48663.**	**15353.**
Stddev	15.	200.	143.
%RSD	.04987	.41096	.93031
#1	29673.	48457.	15432.
#2	29654.	48857.	15188.
#3	29644.	48676.	15439.

Sample Name: AN03573 MS Acquired: 8/11/2011 15:39:22 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**210.0**	F **83320.**	**92680.**	**316.9**	**9495.**	**212.3**	**114900.**	**212.4**	**320.0**	**622.2**	**2481.**
Stddev	1.5	1668.	631.	3.3	71.	.3	847.	3.8	.7	6.0	19.
%RSD	.7253	2.002	.6811	1.027	.7451	.1354	.7372	1.784	.2288	.9688	.7854
#1	208.5	81700.	92630.	319.4	9485.	212.1	114700.	216.8	320.8	615.8	2460.
#2	211.5	83230.	92080.	318.1	9429.	212.1	114200.	210.2	319.4	623.0	2487.
#3	209.9	85040.	93340.	313.2	9570.	212.6	115900.	210.2	319.9	627.8	2497.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.									
Low Limit		-50.00									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**287800.**	**15220.**	**93880.**	**2664.**	**8423.**	**2152.**	**27020.**	**220.7**	**219.5**	**166.5**
Stddev	-----	3351.	238.	283.	8.	62.	4.	181.	2.0	3.9	1.5
%RSD	-----	1.164	1.566	.3013	.2975	.7323	.1846	.6711	.8888	1.777	.8792
#1	^ -----	285700.	14950.	93560.	2673.	8352.	2148.	27230.	222.2	215.3	167.0
#2	^ -----	286100.	15310.	94080.	2657.	8450.	2155.	26900.	218.5	223.1	164.9
#3	^ -----	291700.	15400.	94000.	2662.	8466.	2154.	26940.	221.5	220.1	167.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**505.0**	**3767.**	**214.9**	**3980.**	**246.3**	**6621.**	**6884.**	**1210.**	**655.4**
Stddev	2.6	17.	.2	45.	2.2	27.	47.	3.	1.9
%RSD	.5075	.4565	.1110	1.135	.8869	.4126	.6840	.2839	.2883
#1	502.7	3784.	214.7	3932.	248.5	6612.	6858.	1206.	656.5
#2	507.7	3750.	214.9	4022.	244.1	6652.	6856.	1212.	656.5
#3	504.6	3765.	215.1	3984.	246.3	6600.	6939.	1213.	653.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29421.**	**48502.**	**15155.**
Stddev	251.	524.	246.
%RSD	.85321	1.0808	1.6228
#1	29155.	49107.	15381.
#2	29653.	48201.	15191.
#3	29456.	48198.	14893.

Sample Name: AN03573 SDL Acquired: 8/11/2011 15:43:49 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 5.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**216.6**	F **95010.**	**94610.**	**309.5**	**9634.**	**211.1**	**117500.**	**213.0**	**330.1**	**656.5**
Stddev	1.1	1789.	325.	10.7	37.	.9	613.	4.6	1.1	1.2
%RSD	.4978	1.883	.3435	3.451	.3883	.4421	.5219	2.148	.3398	.1882
#1	217.8	92970.	94690.	316.6	9631.	210.9	117700.	216.5	331.0	657.2
#2	216.1	95760.	94250.	314.8	9598.	212.1	116800.	207.8	330.4	657.1
#3	215.9	96300.	94890.	297.2	9673.	210.3	117900.	214.7	328.8	655.0
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2568.**	F **298800.**	**304500.**	**15260.**	**95620.**	**2767.**	**7759.**	**2259.**	**27950.**	**220.7**
Stddev	15.	5984.	1276.	200.	695.	3.	108.	7.	138.	14.1
%RSD	.5981	2.003	.4189	1.308	.7270	.1121	1.397	.3024	.4952	6.373
#1	2584.	293100.	304900.	15460.	95360.	2764.	7815.	2259.	27960.	236.8
#2	2565.	305000.	303100.	15060.	95090.	2769.	7634.	2266.	27800.	214.6
#3	2554.	298300.	305600.	15280.	96400.	2769.	7828.	2252.	28080.	210.7
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**223.5**	**166.7**	**523.1**	**3993.**	**222.3**	**4104.**	**248.1**	**7131.**	**7172.**	**1259.**
Stddev	16.8	13.3	3.7	8.	3.0	26.	2.1	88.	136.	9.
%RSD	7.529	7.969	.7077	.1906	1.328	.6276	.8354	1.230	1.899	.7218
#1	216.6	155.9	525.7	3993.	225.1	4134.	250.2	7223.	7015.	1269.
#2	211.2	162.6	524.7	3985.	222.5	4091.	246.0	7121.	7258.	1252.
#3	242.7	181.5	518.8	4000.	219.2	4087.	248.2	7048.	7243.	1255.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**684.9**
Stddev	2.7
%RSD	.3994
#1	681.9
#2	687.1
#3	685.8
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29299.**	**47554.**	**14397.**
Stddev	231.	396.	301.
%RSD	.78847	.83291	2.0918
#1	29512.	47802.	14676.
#2	29331.	47098.	14437.
#3	29053.	47764.	14077.

Sample Name: AN03574 Acquired: 8/11/2011 15:47:59 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3768	F 91680.	98620.	64.49	581.3	5.238	20970.	-1.315	58.77	154.2	119.6
Stddev	.8146	234.	529.	2.59	2.4	.198	137.	.199	.43	2.8	2.1
%RSD	216.2	.2551	.5367	4.008	.4191	3.770	.6511	15.16	.7308	1.786	1.760
#1	-.4590	91930.	98390.	62.62	581.3	5.447	20900.	-1.131	59.23	157.0	122.0
#2	.4758	91630.	99230.	63.41	583.7	5.211	21130.	-1.527	58.37	154.0	118.3
#3	-1.147	91470.	98250.	67.44	578.9	5.055	20890.	-1.287	58.72	151.6	118.4
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.									
Low Limit		-50.00									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	199500.	9773.	19480.	3507.	238.9	91.89	455.8	1.590	7.039	-4.084
Stddev	-----	648.	19.	18.	65.	31.8	.61	3.9	1.853	4.620	.927
%RSD	-----	.3248	.1906	.0923	1.844	13.31	.6659	.8635	116.6	65.64	22.70
#1	^ -----	199000.	9791.	19490.	3582.	274.3	91.70	451.7	1.682	8.631	-3.081
#2	^ -----	199400.	9754.	19490.	3475.	229.8	92.58	459.5	3.395	10.65	-4.909
#3	^ -----	200200.	9774.	19460.	3466.	212.7	91.41	456.2	-.3077	1.833	-4.263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	244.0	352.3	3.493	1351.	41.17	5716.	5805.	158.1	12.33
Stddev	2.9	1.3	.322	12.	.65	62.	39.	1.6	.94
%RSD	1.193	.3672	9.218	.9107	1.571	1.088	.6681	1.035	7.619
#1	247.1	352.1	3.726	1365.	41.90	5787.	5761.	159.9	11.67
#2	243.5	353.7	3.628	1344.	40.66	5694.	5829.	157.7	11.91
#3	241.4	351.1	3.126	1344.	40.95	5669.	5827.	156.7	13.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	31133.	50852.	15561.
Stddev	82.	454.	32.
%RSD	.26423	.89251	.20420
#1	31116.	50344.	15582.
#2	31222.	50996.	15524.
#3	31060.	51217.	15576.

Sample Name: AN03575 Acquired: 8/11/2011 15:52:22 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.442**	**41090.**	**42130.**	**162.6**	**846.4**	**2.008**	**28670.**	**2.681**	**67.49**	**166.9**
Stddev	.386	530.	140.	1.5	3.4	.485	76.	.170	.41	1.0
%RSD	11.21	1.290	.3328	.9408	.4012	24.17	.2648	6.337	.6003	.6163
#1	3.002	41080.	41990.	161.9	842.7	1.831	28580.	2.501	67.03	166.5
#2	3.601	41620.	42270.	161.5	849.4	1.635	28730.	2.839	67.65	168.1
#3	3.722	40560.	42120.	164.3	847.2	2.557	28680.	2.703	67.79	166.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**756.6**	**F 137900.**	**154800.**	**9994.**	**18950.**	**1819.**	**20390.**	**285.9**	**7158.**	**20.64**
Stddev	2.3	1048.	450.	94.	40.	14.	55.	.8	9.	1.80
%RSD	.3047	.7600	.2907	.9389	.2125	.7935	.2674	.2800	.1310	8.701
#1	756.4	138200.	154300.	9912.	18980.	1831.	20340.	285.3	7158.	22.69
#2	758.9	138700.	155100.	10100.	18910.	1822.	20450.	286.8	7168.	19.36
#3	754.3	136700.	155000.	9974.	18980.	1803.	20370.	285.7	7149.	19.86
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.53**	**-1.464**	**859.5**	**2269.**	**22.11**	**2909.**	**41.11**	**4278.**	**4295.**	**392.1**
Stddev	1.67	2.611	7.6	2.	.10	12.	.15	15.	14.	2.1
%RSD	8.553	178.3	.8882	.0961	.4664	.3960	.3567	.3394	.3232	.5248
#1	19.68	-2.430	852.1	2270.	22.23	2898.	41.00	4261.	4293.	390.9
#2	17.80	1.493	867.3	2270.	22.05	2921.	41.06	4289.	4310.	394.5
#3	21.13	-3.455	859.2	2266.	22.04	2909.	41.28	4283.	4282.	390.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**131.4**
Stddev	.8
%RSD	.5967
#1	132.2
#2	131.4
#3	130.6
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29830.**	**49091.**	**14725.**
Stddev	71.	253.	137.
%RSD	.23957	.51590	.92981
#1	29796.	48912.	14853.
#2	29913.	48981.	14581.
#3	29782.	49381.	14740.

Sample Name: CCV Acquired: 8/11/2011 15:56:43 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**202.0**	**5171.**	**5003.**	**204.1**	**202.1**	**192.4**	**5203.**	**208.4**	**200.4**	**212.5**	**210.4**
Stddev	1.5	41.	4.	3.5	.8	.5	19.	.5	.1	.8	.3
%RSD	.7402	.7876	.0749	1.726	.3810	.2463	.3720	.2557	.0609	.3663	.1603
#1	200.9	5124.	5007.	200.2	203.0	193.0	5181.	208.5	200.3	213.1	210.1
#2	203.7	5198.	5000.	205.2	202.0	192.2	5219.	207.9	200.5	212.7	210.7
#3	201.5	5191.	5002.	207.0	201.4	192.2	5208.	208.9	200.4	211.6	210.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5401.**	**5254.**	**5356.**	**5205.**	**212.8**	**5106.**	**204.3**	**211.5**	**199.7**	**202.5**	**204.1**
Stddev	11.	5.	60.	14.	.6	33.	.5	2.0	3.5	3.7	1.2
%RSD	.2060	.0887	1.122	.2784	.2953	.6530	.2208	.9275	1.775	1.809	.6008
#1	5390.	5252.	5387.	5220.	213.4	5140.	204.1	213.0	202.9	198.7	203.7
#2	5412.	5260.	5395.	5205.	212.8	5074.	204.0	209.3	195.9	206.0	203.1
#3	5402.	5251.	5287.	5191.	212.2	5103.	204.9	212.2	200.2	202.7	205.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.9**	**209.0**	**204.1**	**203.3**	**202.0**	**5156.**	**5113.**	**209.4**	**209.5**
Stddev	.9	.2	.7	.1	1.5	37.	26.	1.7	2.1
%RSD	.4500	.1181	.3335	.0279	.7492	.7189	.5180	.8295	.9935
#1	202.9	208.9	203.6	203.3	202.8	5113.	5082.	208.2	207.1
#2	204.7	209.3	203.8	203.4	203.0	5180.	5128.	211.4	210.4
#3	204.0	208.9	204.9	203.2	200.3	5175.	5128.	208.5	211.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28653.**	**46772.**	**13816.**
Stddev	158.	565.	83.
%RSD	.55013	1.2090	.60053
#1	28832.	47355.	13911.
#2	28537.	46735.	13757.
#3	28589.	46226.	13779.

Sample Name: CCB Acquired: 8/11/2011 16:00:33 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1029**	**-.8603**	**2.889**	**-.1498**	**.9160**	**-.0420**	**-3.476**	**-.4796**	**-.2059**	**-.1445**	**-.2202**
Stddev	.4550	.6859	15.82	.0362	1.181	.2117	4.227	.4553	.2361	.1857	.5607
%RSD	442.4	79.72	547.6	24.20	129.0	503.9	121.6	94.94	114.7	128.5	254.7
#1	-.5011	-.3188	-12.04	-.1145	1.380	-.2835	1.030	-.4829	-.0450	-.1605	-.3379
#2	.3931	-.6306	19.47	-.1869	1.795	.0459	-7.353	-.0227	-.0957	.0487	-.7126
#3	-.2006	-1.632	1.235	-.1479	-.4267	.1116	-4.104	-.9332	-.4769	-.3217	.3901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.323**	**10.78**	**-110.2**	**26.65**	**-.1703**	**-193.0**	**.0658**	**2.129**	**-4.552**	**-2.563**	**-1.976**
Stddev	1.975	4.93	64.8	28.16	.0102	31.0	.1212	2.493	1.395	.667	.447
%RSD	21.18	45.69	58.82	105.7	6.003	16.06	184.2	117.1	30.64	26.04	22.59
#1	10.86	15.62	-125.7	11.81	-.1788	-158.3	.1614	4.161	-6.160	-2.815	-2.491
#2	10.02	5.771	-39.06	9.015	-.1590	-203.0	.1067	-.6524	-3.670	-1.806	-1.743
#3	7.095	10.96	-166.0	59.14	-.1730	-217.8	-.0706	2.880	-3.825	-3.068	-1.695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3349**	**-1.074**	**-.2904**	**-.1810**	**-2.157**	**-1.175**	**33.64**	**-1.464**	**.0193**
Stddev	.1290	.207	.4771	.1010	.930	1.765	14.87	.555	.3315
%RSD	38.53	19.23	164.3	55.83	43.11	150.3	44.21	37.92	1720.
#1	-.2942	-.8389	-.1602	-.1586	-1.089	-1.389	24.11	-2.104	.3186
#2	-.2312	-1.159	-.8191	-.0930	-2.786	-2.823	50.77	-1.130	.0764
#3	-.4794	-1.225	.1080	-.2913	-2.597	.6879	26.03	-1.157	-.3371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28252.**	**47736.**	**14170.**
Stddev	868.	491.	170.
%RSD	3.0726	1.0292	1.1967
#1	27252.	47349.	14365.
#2	28698.	47570.	14084.
#3	28806.	48289.	14060.

Sample Name: AN03576 Acquired: 8/11/2011 16:04:34 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9517**	**37590.**	**38260.**	**43.14**	**487.4**	**1.535**	**20770.**	**3.018**	**37.40**	**89.52**
Stddev	.2558	126.	7.	1.27	1.9	.377	31.	.271	.14	1.10
%RSD	26.88	.3362	.0192	2.937	.3968	24.57	.1499	8.987	.3719	1.229
#1	.6676	37600.	38260.	42.90	485.3	1.388	20780.	2.774	37.51	90.69
#2	1.024	37710.	38270.	42.01	489.2	1.254	20790.	3.310	37.45	88.51
#3	1.164	37460.	38250.	44.51	487.7	1.964	20730.	2.970	37.25	89.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**536.2**	**F 103500.**	**110500.**	**5439.**	**13960.**	**1287.**	**1797.**	**128.4**	**3769.**	**7.001**
Stddev	5.6	279.	229.	24.	49.	8.	34.	.1	11.	3.209
%RSD	1.045	.2692	.2071	.4345	.3491	.5917	1.864	.0555	.2853	45.83
#1	537.6	103200.	110700.	5455.	14000.	1291.	1780.	128.3	3776.	8.588
#2	530.0	103700.	110400.	5412.	13910.	1278.	1776.	128.4	3757.	9.107
#3	540.9	103600.	110300.	5451.	13970.	1292.	1836.	128.5	3775.	3.309
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		76500.								
Low Limit		-500.0								

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.041**	**-.8942**	**169.4**	**1201.**	**4.293**	**2231.**	**14.47**	**4013.**	**4040.**	**119.2**
Stddev	4.405	2.746	2.3	2.	.244	10.	.91	54.	25.	1.0
%RSD	72.92	307.0	1.373	.1754	5.690	.4593	6.265	1.356	.6106	.8019
#1	1.268	-.7824	167.8	1202.	4.575	2224.	15.51	3955.	4021.	118.9
#2	6.906	1.794	168.3	1198.	4.146	2226.	13.84	4022.	4067.	118.5
#3	9.948	-3.694	172.1	1202.	4.158	2243.	14.07	4062.	4031.	120.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**115.3**
Stddev	1.1
%RSD	.9856
#1	116.6
#2	114.8
#3	114.5
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29849.**	**48964.**	**15012.**
Stddev	429.	162.	307.
%RSD	1.4380	.33129	2.0443
#1	29449.	49112.	15238.
#2	30303.	48990.	15136.
#3	29796.	48791.	14662.

Sample Name: AN03577 Acquired: 8/11/2011 16:08:45 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.217**	F **100800.**	**111800.**	**86.97**	**316.0**	**3.489**	**10770.**	**-1.008**	**73.14**	**294.6**
Stddev	.774	883.	806.	2.54	2.0	.194	97.	.229	.09	1.1
%RSD	63.59	.8760	.7208	2.924	.6358	5.558	.9046	22.66	.1253	.3756
#1	-.4172	100700.	112500.	89.86	317.4	3.402	10870.	-1.263	73.20	293.6
#2	-1.271	101700.	111900.	85.07	316.9	3.354	10760.	-.9424	73.19	295.8
#3	-1.962	99940.	111000.	85.99	313.7	3.711	10670.	-.8202	73.04	294.5
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**140.0**	^ *****	**232100.**	**10910.**	**22520.**	**4713.**	**1649.**	**168.1**	**275.7**	**1.319**
Stddev	.4	-----	5216.	87.	70.	13.	12.	1.0	2.9	1.622
%RSD	.2584	-----	2.248	.7981	.3100	.2671	.7395	.6223	1.048	122.9
#1	140.0	^ -----	238100.	10900.	22590.	4698.	1640.	169.3	275.0	.1701
#2	140.3	^ -----	229400.	11010.	22460.	4719.	1663.	167.6	278.9	3.174
#3	139.6	^ -----	228700.	10840.	22490.	4720.	1645.	167.4	273.2	.6139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**8.637**	**-3.859**	**291.8**	**412.7**	**16.53**	**1812.**	**41.55**	**6093.**	**6256.**	**69.03**
Stddev	3.808	.788	1.3	1.4	.11	3.	.56	25.	91.	.31
%RSD	44.09	20.41	.4349	.3271	.6526	.1809	1.343	.4178	1.458	.4476
#1	12.91	-4.121	290.9	413.2	16.49	1813.	41.49	6065.	6351.	69.33
#2	5.597	-4.482	293.3	413.7	16.45	1814.	41.02	6114.	6248.	69.03
#3	7.407	-2.974	291.3	411.2	16.66	1808.	42.13	6101.	6169.	68.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**15.41**
Stddev	1.54
%RSD	9.989
#1	16.04
#2	16.54
#3	13.66
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**30541.**	**50228.**	**15302.**
Stddev	296.	372.	116.
%RSD	.96936	.74051	.75643
#1	30204.	50625.	15181.
#2	30761.	49888.	15412.
#3	30657.	50172.	15312.

Sample Name: AN03578 Acquired: 8/11/2011 16:13:07 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.233**	F **109700.**	**121300.**	**67.86**	**397.8**	**3.860**	**12220.**	**-1.484**	**66.33**	**168.4**
Stddev	.603	718.	230.	.10	1.8	.099	23.	.298	.17	2.7
%RSD	48.92	.6546	.1894	.1541	.4571	2.568	.1918	20.09	.2521	1.579
#1	-.7187	109600.	121100.	67.83	396.5	3.772	12240.	-1.645	66.17	168.2
#2	-1.083	110400.	121600.	67.77	399.9	3.840	12200.	-1.140	66.33	171.2
#3	-1.897	109000.	121200.	67.98	397.1	3.967	12230.	-1.667	66.50	165.9
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.								
Low Limit		-50.00								

Elem	Cu3247	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125.8**	^ *****	**215800.**	**8394.**	**25600.**	**2914.**	**7577.**	**111.2**	**202.3**	**1.403**
Stddev	2.1	-----	3384.	17.	57.	72.	37.	.7	.9	2.002
%RSD	1.650	-----	1.568	.2078	.2223	2.460	.4867	.6448	.4580	142.7
#1	125.8	^ -----	215000.	8402.	25670.	2944.	7556.	112.1	202.9	-.4641
#2	128.0	^ -----	219500.	8405.	25550.	2966.	7619.	110.9	201.2	3.517
#3	123.8	^ -----	212800.	8373.	25590.	2832.	7555.	110.8	202.7	1.156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Se1960	Tl1908	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.344**	**-3.547**	**268.9**	**355.2**	**4.764**	**1870.**	**33.49**	**6285.**	**6374.**	**114.4**
Stddev	2.380	1.284	1.6	1.5	.586	12.	1.30	30.	28.	1.4
%RSD	25.47	36.20	.6081	.4162	12.30	.6237	3.878	.4710	.4316	1.263
#1	12.07	-4.261	269.5	353.5	5.416	1870.	33.32	6274.	6342.	114.2
#2	7.679	-2.065	270.2	355.7	4.595	1882.	34.87	6319.	6389.	116.0
#3	8.283	-4.317	267.1	356.3	4.281	1859.	32.29	6263.	6391.	113.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Sn1899
Units	ppb
Avg	**8.357**
Stddev	.649
%RSD	7.770
#1	8.328
#2	7.722
#3	9.020
Check ?	Chk Pass
High Limit	
Low Limit	

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**31649.**	**50869.**	**15976.**
Stddev	112.	595.	175.
%RSD	.35469	1.1705	1.0930
#1	31739.	50554.	16154.
#2	31684.	50498.	15805.
#3	31523.	51556.	15969.

Sample Name: AN03579 Acquired: 8/11/2011 16:17:30 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4994	F 78580.	87090.	43.12	246.9	3.668	72850.	-.7717	60.49	326.8	117.4
Stddev	.5379	1112.	877.	2.33	2.5	.229	630.	.5481	.48	2.8	.4
%RSD	107.7	1.415	1.007	5.405	1.029	6.254	.8651	71.02	.7879	.8465	.3588
#1	-.1172	79200.	88100.	45.81	249.8	3.929	73580.	-1.390	60.78	329.9	117.6
#2	.8723	79260.	86630.	41.85	245.1	3.575	72480.	-.5790	59.94	324.5	116.9
#3	.7430	77300.	86540.	41.71	245.7	3.500	72500.	-.3461	60.75	326.1	117.6
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.									
Low Limit		-50.00									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	189500.	18700.	39920.	3275.	27230.	227.5	501.7	.2215	8.431	-3.112
Stddev	-----	3739.	54.	378.	43.	259.	.8	2.2	1.701	3.375	1.284
%RSD	-----	1.974	.2903	.9474	1.313	.9519	.3340	.4326	767.7	40.04	41.26
#1	^ -----	193600.	18750.	40360.	3321.	27530.	228.2	501.1	-1.165	12.13	-1.997
#2	161100.	188700.	18640.	39710.	3270.	27120.	227.5	504.0	2.119	7.643	-2.824
#3	^ -----	186200.	18700.	39700.	3235.	27050.	226.7	499.8	-.2889	5.520	-4.516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	238.6	420.8	32.25	2449.	231.0	5635.	5766.	367.3	26.56
Stddev	.8	.9	.32	9.	.7	30.	65.	2.2	1.55
%RSD	.3302	.2076	.9838	.3568	.3075	.5271	1.121	.6046	5.852
#1	239.2	421.2	32.55	2457.	230.7	5603.	5830.	369.7	25.32
#2	237.7	421.5	31.91	2440.	230.6	5641.	5768.	365.3	26.05
#3	239.0	419.8	32.29	2450.	231.9	5662.	5701.	366.8	28.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	31265.	51924.	16065.
Stddev	174.	532.	196.
%RSD	.55616	1.0243	1.2220
#1	31382.	51313.	16062.
#2	31348.	52282.	15870.
#3	31065.	52177.	16263.

Sample Name: AN03580 Acquired: 8/11/2011 16:21:53 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1113**	F **65810.**	**74860.**	**57.57**	**1184.**	**7.472**	**277600.**	**2.255**	**89.08**	**276.0**	**990.6**
Stddev	.5524	216.	221.	.46	3.	.172	1035.	.752	.30	1.7	7.6
%RSD	496.4	.3279	.2950	.7981	.2770	2.301	.3728	33.37	.3388	.6059	.7679
#1	-.1235	66030.	74720.	57.80	1182.	7.427	276900.	1.431	88.76	275.9	991.3
#2	-.2850	65600.	75110.	57.86	1188.	7.662	277100.	2.426	89.10	277.7	997.8
#3	.7422	65790.	74740.	57.04	1182.	7.327	278800.	2.907	89.37	274.4	982.7
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		65250.									
Low Limit		-50.00									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	**201000.**	**15660.**	**168700.**	**3656.**	**1987.**	**684.3**	**4726.**	**10.34**	**13.61**	**-3.810**
Stddev	-----	2040.	87.	466.	27.	8.	.9	16.	2.14	1.69	.518
%RSD	-----	1.015	.5534	.2762	.7511	.3927	.1341	.3283	20.70	12.38	13.61
#1	^ -----	201900.	15560.	168500.	3674.	1995.	685.2	4732.	10.79	15.54	-3.853
#2	173900.	198600.	15680.	168300.	3669.	1986.	684.4	4708.	8.017	12.84	-3.271
#3	171500.	202400.	15740.	169200.	3624.	1979.	683.3	4737.	12.23	12.45	-4.305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**260.5**	**2445.**	**29.46**	**5303.**	**30.85**	**6868.**	**7125.**	**573.1**	**63.74**
Stddev	1.5	1.	.22	35.	.76	44.	17.	3.3	.93
%RSD	.5692	.0403	.7363	.6681	2.467	.6397	.2389	.5737	1.464
#1	261.0	2445.	29.26	5305.	31.40	6862.	7115.	575.8	63.81
#2	261.7	2444.	29.45	5336.	29.98	6915.	7144.	574.1	62.77
#3	258.9	2445.	29.69	5266.	31.17	6828.	7114.	569.4	64.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28991.**	**49000.**	**15174.**
Stddev	46.	294.	93.
%RSD	.15963	.59987	.61011
#1	29025.	48917.	15262.
#2	29010.	48757.	15077.
#3	28939.	49327.	15182.

Sample Name: PBW B19P08 Acquired: 8/11/2011 16:26:30 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2446**	**8.070**	**-10.81**	**-3.564**	**.4823**	**-.7044**	**33.93**	**-.8509**	**-.2890**	**-.3341**	**-.0584**
Stddev	.1012	4.343	19.66	1.265	.4788	.1311	11.24	.3844	.2968	.5201	.2420
%RSD	41.38	53.82	181.8	35.51	99.27	18.62	33.12	45.18	102.7	155.6	414.2
#1	.1803	12.57	9.981	-5.015	.9651	-.7186	45.09	-.9365	.0196	-.3363	.1794
#2	.1922	7.742	-13.33	-2.987	.4743	-.5667	34.10	-.4308	-.3141	.1870	-.0503
#3	.3613	3.900	-29.09	-2.690	.0076	-.8278	22.61	-1.185	-.5724	-.8531	-.3044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.70**	**25.95**	**.7368**	**23.71**	**.1524**	**-170.5**	**-.1682**	**1.534**	**-1.997**	**.5103**	**-.6524**
Stddev	9.95	11.95	69.61	28.40	.1931	10.3	.7219	1.223	1.589	1.413	.9680
%RSD	37.27	46.04	9447.	119.8	126.8	6.052	429.1	79.77	79.58	276.8	148.4
#1	36.39	37.76	-46.65	55.97	.3430	-168.9	-.1066	2.946	-3.830	2.098	-1.467
#2	27.19	26.23	80.65	2.482	.1574	-161.0	.5209	.8529	-1.163	-.6082	.4176
#3	16.51	13.87	-31.79	12.67	-.0432	-181.5	-.9189	.8020	-.9988	.0412	-.9073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4112**	**-1.064**	**-.4886**	**.2645**	**-.3366**	**4.051**	**58.16**	**-1.241**	**-.6157**
Stddev	.6802	.087	.2445	.4981	.3661	3.879	27.46	.695	.7147
%RSD	165.4	8.171	50.05	188.3	108.8	95.76	47.22	56.01	116.1
#1	.3507	-.9644	-.3445	.7132	-.1802	6.715	85.25	-1.548	-.9092
#2	-.9575	-1.123	-.3504	.3517	-.7549	5.837	58.89	-1.729	.1990
#3	-.6268	-1.105	-.7710	-.2714	-.0746	-.3997	30.34	-.4451	-1.137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**30265.**	**49663.**	**14829.**
Stddev	99.	848.	88.
%RSD	.32801	1.7066	.59024
#1	30302.	50627.	14914.
#2	30152.	49327.	14835.
#3	30340.	49035.	14739.

Sample Name: LCSW-1 B19P08 Acquired: 8/11/2011 16:30:31 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**212.9**	**5153.**	**4915.**	**205.6**	**207.7**	**201.2**	**5150.**	**205.2**	**206.6**	**217.5**	**211.3**
Stddev	.3	9.	15.	3.6	.8	.4	8.	1.0	.7	1.1	.1
%RSD	.1304	.1769	.2953	1.733	.4028	.1924	.1539	.4938	.3511	.4890	.0559
#1	212.6	5144.	4926.	203.8	208.6	200.9	5159.	205.4	206.2	218.5	211.3
#2	213.2	5154.	4920.	209.7	206.9	201.1	5144.	206.1	206.3	216.4	211.4
#3	212.8	5162.	4898.	203.3	207.6	201.6	5148.	204.1	207.5	217.6	211.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5360.**	**5115.**	**4356.**	**5163.**	**217.5**	**5179.**	**209.1**	**211.1**	**200.0**	**206.7**	**207.0**
Stddev	18.	14.	40.	75.	.8	31.	.7	2.1	2.0	2.6	2.2
%RSD	.3394	.2786	.9296	1.461	.3770	.6006	.3181	.9789	.9997	1.246	1.040
#1	5339.	5099.	4337.	5149.	217.5	5167.	208.3	208.9	197.8	206.2	207.4
#2	5369.	5126.	4402.	5245.	216.6	5215.	209.3	212.9	200.5	204.4	204.6
#3	5371.	5122.	4329.	5096.	218.2	5157.	209.6	211.6	201.8	209.5	208.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**213.6**	**212.3**	**207.1**	**209.7**	**200.7**	**4529.**	**4379.**	**211.2**	**208.5**
Stddev	.8	1.4	.8	.7	1.2	9.	15.	.3	1.0
%RSD	.3923	.6544	.3956	.3304	.5893	.2045	.3359	.1212	.4987
#1	214.1	210.7	206.1	208.9	200.2	4519.	4389.	211.2	208.3
#2	214.1	212.8	207.4	210.2	202.0	4537.	4362.	211.5	207.6
#3	212.6	213.3	207.7	210.1	199.9	4531.	4386.	211.0	209.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29880.**	**47829.**	**14616.**
Stddev	174.	336.	116.
%RSD	.58236	.70165	.79143
#1	30066.	48102.	14747.
#2	29722.	47929.	14574.
#3	29851.	47454.	14528.

Sample Name: LCSW-2 B19P08 Acquired: 8/11/2011 16:34:22 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**204.1**	**4954.**	**4934.**	**204.8**	**206.9**	**199.6**	**5138.**	**210.2**	**205.1**	**207.1**	**201.8**
Stddev	1.3	50.	33.	2.4	1.2	.3	22.	2.3	.8	.9	1.1
%RSD	.6396	1.006	.6694	1.191	.5975	.1290	.4330	1.098	.4088	.4409	.5654
#1	202.7	4901.	4896.	206.3	206.1	199.5	5113.	212.6	205.2	206.1	200.6
#2	204.3	4999.	4950.	201.9	206.3	199.9	5146.	208.0	205.8	207.4	202.0
#3	205.3	4962.	4957.	206.0	208.3	199.4	5155.	210.1	204.1	207.9	202.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5239.**	**5122.**	**4387.**	**5090.**	**209.8**	**5124.**	**205.5**	**212.0**	**199.1**	**203.9**	**203.2**
Stddev	21.	6.	32.	64.	.3	17.	.3	4.3	2.7	4.0	1.9
%RSD	.4035	.1182	.7372	1.266	.1519	.3409	.1651	2.035	1.353	1.966	.9185
#1	5215.	5125.	4366.	5016.	209.5	5116.	205.9	212.0	202.0	201.5	201.7
#2	5254.	5126.	4372.	5125.	210.1	5111.	205.2	216.3	196.7	201.7	202.8
#3	5249.	5115.	4425.	5130.	209.9	5144.	205.4	207.7	198.4	208.6	205.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**205.7**	**211.9**	**202.9**	**205.2**	**200.0**	**4104.**	**4085.**	**206.4**	**210.0**
Stddev	1.4	.6	1.2	.7	2.1	38.	38.	.6	6.4
%RSD	.6975	.2853	.5820	.3452	1.033	.9338	.9295	.2901	3.063
#1	204.0	212.2	204.3	204.5	202.4	4060.	4042.	206.2	217.3
#2	206.7	211.2	202.1	205.2	198.8	4131.	4114.	207.1	205.3
#3	206.2	212.3	202.3	205.9	198.8	4120.	4098.	206.0	207.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29437.**	**48828.**	**14460.**
Stddev	121.	344.	103.
%RSD	.41180	.70486	.70956
#1	29366.	49164.	14451.
#2	29577.	48476.	14567.
#3	29368.	48845.	14362.

Sample Name: CCV Acquired: 8/11/2011 16:45:52 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**204.4**	**5094.**	**4978.**	**202.4**	**201.7**	**191.1**	**5147.**	**205.7**	**199.4**	**218.5**	**212.9**
Stddev	1.5	18.	39.	1.8	1.5	.5	16.	3.3	.6	1.3	.8
%RSD	.7558	.3582	.7742	.8960	.7662	.2707	.3092	1.585	.3092	.5999	.3576
#1	206.2	5101.	4939.	200.4	200.0	190.6	5134.	204.1	199.8	218.2	212.1
#2	203.2	5073.	5016.	204.0	202.0	191.6	5165.	203.5	198.7	217.4	212.9
#3	203.9	5107.	4981.	202.7	203.0	191.0	5142.	209.4	199.7	220.0	213.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5437.**	**5210.**	**5314.**	**5210.**	**216.8**	**5091.**	**205.7**	**208.6**	**196.8**	**205.8**	**203.6**
Stddev	6.	12.	56.	11.	1.2	47.	.4	1.2	1.8	.5	2.3
%RSD	.1126	.2396	1.057	.2122	.5418	.9265	.1981	.5555	.9004	.2356	1.144
#1	5443.	5213.	5257.	5210.	217.0	5116.	205.6	207.7	197.7	206.0	201.0
#2	5431.	5221.	5316.	5222.	215.5	5037.	206.1	208.1	194.7	206.2	205.5
#3	5438.	5197.	5369.	5200.	217.8	5121.	205.3	209.9	197.9	205.3	204.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**207.0**	**210.3**	**204.0**	**204.2**	**200.9**	**5148.**	**5053.**	**211.8**	**210.3**
Stddev	.5	1.5	.7	.4	.5	15.	33.	.8	.8
%RSD	.2466	.7349	.3450	.2133	.2708	.2863	.6451	.3905	.3568
#1	207.6	209.2	203.5	203.8	201.5	5164.	5019.	212.8	209.6
#2	206.6	209.6	204.8	204.2	200.6	5144.	5084.	211.3	211.1
#3	207.0	212.1	203.8	204.7	200.6	5135.	5055.	211.4	210.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29701.**	**47827.**	**14069.**
Stddev	289.	347.	205.
%RSD	.97442	.72539	1.4541
#1	29817.	47728.	14288.
#2	29914.	48213.	14037.
#3	29371.	47541.	13883.

Sample Name: CCB Acquired: 8/11/2011 16:49:41 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6873**	**-3.741**	**-16.82**	**-2.436**	**.8750**	**-.3192**	**-3.938**	**-.7387**	**-.2134**	**-.2429**	**-.1241**
Stddev	.5792	.468	22.99	.621	.3500	.1365	6.806	.1879	.2442	.4372	.8983
%RSD	84.26	12.51	136.7	25.50	40.00	42.78	172.8	25.44	114.4	180.0	723.7
#1	1.267	-3.289	-3.824	-2.957	.4908	-.2395	-10.76	-.9442	-.0951	-.5898	-1.135
#2	.1086	-3.710	-3.270	-1.749	1.176	-.4768	2.853	-.6962	-.4941	.2482	.1802
#3	.6865	-4.224	-43.37	-2.604	.9584	-.2412	-3.909	-.5757	-.0509	-.3871	.5824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.247**	**-.5349**	**-123.8**	**-9.310**	**-.3314**	**-213.1**	**.1115**	**1.403**	**1.408**	**-1.715**	**-2.854**
Stddev	.102	5.062	51.9	25.49	.0553	24.1	.1034	1.954	.371	2.427	2.390
%RSD	8.186	946.3	41.91	273.7	16.68	11.30	92.71	139.2	26.34	141.5	83.73
#1	1.293	-1.841	-67.80	-30.61	-.3950	-194.8	.1839	2.748	1.438	.0714	-2.863
#2	1.130	5.052	-170.2	-16.24	-.2945	-240.4	.1576	-.8377	1.024	-4.478	-.4603
#3	1.317	-4.816	-133.3	18.92	-.3048	-204.1	-.0069	2.299	1.764	-.7392	-5.240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5072**	**-1.169**	**-.4712**	**-.4932**	**-2.487**	**-1.392**	**39.42**	**-1.681**	**-.6289**
Stddev	.4812	.117	.2094	.0944	.939	3.559	12.28	1.200	.7487
%RSD	94.87	10.01	44.44	19.15	37.73	255.8	31.16	71.39	119.1
#1	-.2133	-1.042	-.5269	-.5952	-1.833	.1813	26.81	-2.986	-.9127
#2	-1.062	-1.194	-.6471	-.4088	-2.066	1.111	40.11	-.6267	-1.194
#3	-.2457	-1.272	-.2396	-.4755	-3.562	-5.466	51.35	-1.429	.2203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28888.**	**47271.**	**13869.**
Stddev	325.	632.	191.
%RSD	1.1254	1.3362	1.3794
#1	28936.	46548.	14070.
#2	28542.	47545.	13849.
#3	29186.	47719.	13689.

Sample Name: AN03581 Acquired: 8/11/2011 16:53:43 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1100**	**5.764**	**-16.16**	**-2.540**	**.9883**	**-.5627**	**81.34**	**-.6290**	**-.5118**	**-.3437**	**.8322**
Stddev	.0577	.240	22.50	1.202	.8282	.2719	3.83	.1621	.3861	.4851	.5736
%RSD	52.43	4.173	139.2	47.33	83.80	48.33	4.712	25.76	75.45	141.2	68.93
#1	-.0570	5.568	6.457	-1.161	.0748	-.7625	83.84	-.4747	-.8482	-.8064	.4072
#2	-.1714	5.692	-38.55	-3.369	1.690	-.2530	76.92	-.6144	-.0902	-.3856	.6047
#3	-.1015	6.033	-16.40	-3.091	1.200	-.6725	83.24	-.7979	-.5970	.1611	1.485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.760**	**4.956**	**-176.2**	**19.67**	**-.1846**	**-134.4**	**.2896**	**1.837**	**-5.122**	**.0456**	**-1.556**
Stddev	.416	1.535	45.6	28.71	.0374	15.7	.2460	.661	2.518	2.222	1.582
%RSD	11.06	30.97	25.86	145.9	20.26	11.70	84.94	35.96	49.17	4877.	101.6
#1	3.645	4.206	-199.3	51.34	-.1858	-127.0	.4136	2.149	-4.942	2.425	-.0327
#2	4.222	6.722	-205.7	12.35	-.2215	-152.4	.4489	1.078	-2.698	-1.976	-1.447
#3	3.414	3.941	-123.7	-4.669	-.1467	-123.6	.0063	2.284	-7.725	-.3129	-3.190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.032**	**.4254**	**-.4770**	**-.2691**	**-1.426**	**8.277**	**21.71**	**-1.055**	**-.2459**
Stddev	.220	.1666	.3979	.2467	.579	2.154	34.31	.556	.8280
%RSD	21.27	39.16	83.42	91.68	40.60	26.02	158.1	52.68	336.7
#1	-.8010	.3534	-.3740	-.3567	-.7842	8.915	58.92	-1.197	-.0516
#2	-1.058	.6159	-.9164	.0094	-1.909	10.04	14.90	-1.527	-1.154
#3	-1.238	.3070	-.1408	-.4601	-1.585	5.876	-8.690	-.4422	.4676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29188.**	**48307.**	**14215.**
Stddev	208.	738.	105.
%RSD	.71294	1.5271	.73638
#1	29421.	49129.	14336.
#2	29023.	48091.	14156.
#3	29118.	47703.	14153.

Sample Name: AN03581 MS Acquired: 8/11/2011 16:57:45 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**206.5**	**5040.**	**4949.**	**209.5**	**208.2**	**200.0**	**5304.**	**216.9**	**209.1**	**211.0**	**204.3**
Stddev	.6	34.	16.	1.5	1.8	.7	37.	2.7	1.2	.4	.4
%RSD	.2976	.6739	.3173	.7253	.8565	.3320	.6968	1.243	.5947	.2060	.1837
#1	207.2	5067.	4946.	209.4	208.5	200.6	5278.	217.9	210.3	210.6	204.5
#2	206.0	5002.	4935.	211.0	206.3	200.1	5288.	219.0	209.1	211.5	203.9
#3	206.2	5052.	4966.	208.0	209.8	199.3	5346.	213.9	207.8	210.8	204.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5343.**	**5204.**	**4349.**	**5196.**	**213.4**	**5243.**	**209.2**	**213.9**	**202.3**	**209.9**	**206.8**
Stddev	4.	12.	81.	38.	.3	8.	1.0	1.8	3.8	.6	1.7
%RSD	.0808	.2253	1.851	.7226	.1529	.1614	.5015	.8370	1.875	.3081	.8261
#1	5347.	5191.	4275.	5153.	213.5	5252.	209.9	214.7	205.6	210.5	207.0
#2	5345.	5207.	4435.	5222.	213.1	5242.	209.8	215.2	203.1	209.3	208.4
#3	5338.	5214.	4336.	5212.	213.7	5235.	208.0	211.9	198.2	209.8	205.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**208.4**	**219.9**	**206.0**	**207.1**	**202.9**	**4240.**	**4269.**	**209.1**	**209.8**
Stddev	.8	1.0	1.0	.9	2.4	16.	45.	1.8	1.6
%RSD	.3656	.4515	.4913	.4161	1.175	.3868	1.056	.8825	.7854
#1	209.3	221.0	207.1	208.1	205.3	4257.	4266.	211.2	211.5
#2	207.9	219.7	205.3	206.9	202.9	4224.	4225.	208.0	208.3
#3	207.9	219.1	205.5	206.4	200.6	4239.	4315.	208.1	209.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28601.**	**47314.**	**13747.**
Stddev	146.	396.	181.
%RSD	.50872	.83733	1.3144
#1	28729.	46931.	13864.
#2	28443.	47722.	13837.
#3	28630.	47287.	13539.

Sample Name: AN03581 SDL Acquired: 8/11/2011 17:01:36 Type: Unk
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 5.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment: Jewett White(11070033)

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**204.0**	**4935.**	**4811.**	**194.0**	**206.8**	**196.7**	**5141.**	**208.2**	**203.0**	**207.6**	**203.3**
Stddev	4.9	55.	85.	5.1	4.0	1.6	7.	3.0	1.1	2.7	3.7
%RSD	2.380	1.107	1.775	2.608	1.935	.8010	.1363	1.419	.5582	1.313	1.843
#1	199.8	4874.	4741.	199.8	208.2	197.5	5137.	209.6	203.4	205.4	199.5
#2	202.8	4952.	4906.	190.6	202.2	197.8	5136.	210.3	203.9	210.7	203.7
#3	209.3	4979.	4785.	191.7	209.9	194.9	5149.	204.9	201.8	206.8	206.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5238.**	**5062.**	**3393.**	**5159.**	**209.4**	**4415.**	**207.3**	**211.3**	**188.2**	**202.6**	**199.7**
Stddev	14.	20.	354.	152.	2.3	168.	1.9	5.5	16.0	11.7	3.4
%RSD	.2731	.3896	10.43	2.943	1.106	3.797	.9226	2.617	8.514	5.788	1.726
#1	5228.	5040.	3140.	5158.	206.9	4606.	207.9	206.4	171.6	192.9	201.4
#2	5231.	5075.	3243.	5312.	211.4	4294.	205.1	210.1	203.6	215.6	202.0
#3	5254.	5073.	3798.	5008.	209.8	4345.	208.8	217.3	189.2	199.3	195.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**201.4**	**208.9**	**201.9**	**205.3**	**195.2**	**4290.**	**4256.**	**206.7**	**204.0**
Stddev	4.3	1.2	3.1	1.8	5.6	33.	102.	5.2	1.4
%RSD	2.151	.5585	1.540	.8580	2.848	.7792	2.384	2.491	.6804
#1	197.4	209.3	199.9	203.6	198.3	4258.	4139.	204.6	204.7
#2	200.9	209.9	200.4	205.2	188.8	4287.	4306.	212.6	202.4
#3	206.0	207.6	205.5	207.1	198.5	4325.	4323.	203.0	204.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28854.**	**47744.**	**14060.**
Stddev	164.	138.	41.
%RSD	.56770	.28910	.29045
#1	29012.	47602.	14086.
#2	28864.	47878.	14080.
#3	28685.	47751.	14013.

Sample Name: CCV Acquired: 8/11/2011 17:34:03 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.1**	**5011.**	**4996.**	**202.5**	**202.2**	**193.0**	**5164.**	**212.9**	**199.9**	**209.7**	**208.2**
Stddev	1.8	70.	25.	4.3	1.6	1.2	15.	1.8	.6	2.8	1.9
%RSD	.8916	1.390	.4998	2.115	.7967	.6051	.2902	.8553	.3061	1.327	.9051
#1	201.0	5055.	4970.	197.7	200.3	193.6	5155.	210.8	199.5	210.9	208.5
#2	201.3	5047.	4997.	205.8	203.0	193.7	5157.	214.1	200.6	211.6	209.9
#3	198.1	4930.	5020.	204.0	203.2	191.6	5182.	213.7	199.7	206.5	206.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5379.**	**5222.**	**5380.**	**5177.**	**211.3**	**5213.**	**203.5**	**208.7**	**197.0**	**198.6**	**201.4**
Stddev	32.	5.	59.	22.	1.4	24.	.5	.7	.5	10.8	2.1
%RSD	.5881	.0946	1.089	.4202	.6748	.4611	.2644	.3133	.2673	5.411	1.021
#1	5407.	5216.	5320.	5191.	211.1	5189.	204.0	209.4	196.4	203.3	200.4
#2	5385.	5226.	5384.	5189.	212.8	5212.	203.0	208.1	197.3	206.2	203.8
#3	5345.	5222.	5437.	5152.	210.0	5237.	203.7	208.6	197.4	186.3	200.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**203.1**	**207.3**	**203.0**	**202.8**	**204.2**	**5083.**	**5045.**	**206.9**	**206.1**
Stddev	2.4	1.1	.5	1.2	1.3	56.	45.	1.3	1.6
%RSD	1.172	.5125	.2285	.5863	.6135	1.100	.8882	.6272	.7792
#1	204.5	207.4	203.5	203.4	205.2	5132.	5000.	208.4	207.9
#2	204.5	208.3	202.9	203.6	202.8	5095.	5044.	206.2	204.8
#3	200.4	206.2	202.6	201.4	204.7	5022.	5090.	206.2	205.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29191.**	**48109.**	**14046.**
Stddev	124.	574.	90.
%RSD	.42603	1.1924	.63938
#1	29122.	48009.	14015.
#2	29117.	47592.	14148.
#3	29335.	48726.	13977.

Sample Name: CCB Acquired: 8/11/2011 17:37:53 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4023**	**-2.894**	**-28.83**	**-2.895**	**-.1308**	**-.6170**	**-3.419**	**-.4778**	**-.0526**	**-.0779**	**-.1662**
Stddev	.6366	.918	21.79	1.951	.9287	.4867	4.011	.0897	.4375	.4631	.5726
%RSD	158.2	31.71	75.58	67.40	710.0	78.89	117.3	18.77	832.3	594.5	344.5
#1	.2731	-3.321	-35.56	-5.139	.6587	-.9391	-6.460	-.5310	.2339	.3007	.0026
#2	-.9912	-1.841	-46.45	-1.598	-1.154	-.0571	1.127	-.5281	.1646	.0598	-.8042
#3	-.4886	-3.520	-4.467	-1.948	.1029	-.8547	-4.922	-.3742	-.5562	-.5943	.3030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.599**	**10.74**	**-282.4**	**8.618**	**-.2063**	**-180.5**	**.2102**	**.2769**	**-2.331**	**-1.828**	**-.7996**
Stddev	1.379	1.92	31.0	17.93	.0589	15.7	.0932	1.665	2.457	2.051	.7521
%RSD	14.37	17.86	10.97	208.0	28.55	8.722	44.34	601.0	105.4	112.2	94.07
#1	11.13	9.481	-318.2	-3.254	-.2410	-162.6	.1049	1.596	.0893	-3.254	-.3467
#2	9.197	9.787	-264.2	29.24	-.1383	-186.7	.2822	-1.593	-2.258	.5220	-1.668
#3	8.465	12.94	-264.9	-.1348	-.2395	-192.2	.2434	.8282	-4.824	-2.753	-.3842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4937**	**-1.139**	**-.4564**	**-.2560**	**-1.946**	**-1.960**	**18.99**	**-1.163**	**-.1063**
Stddev	.3716	.026	.2386	.0699	1.689	1.949	21.72	.750	1.310
%RSD	75.28	2.324	52.29	27.29	86.80	99.45	114.4	64.46	1232.
#1	-.8638	-1.129	-.1835	-.1967	-.2369	-4.133	-.9434	-1.909	.5232
#2	-.4968	-1.169	-.5599	-.3330	-1.986	-.3634	42.14	-1.171	-1.612
#3	-.1205	-1.119	-.6257	-.2383	-3.614	-1.384	15.77	-.4094	.7696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28988.**	**47050.**	**13947.**
Stddev	118.	117.	120.
%RSD	.40719	.24929	.86258
#1	29123.	46914.	14037.
#2	28905.	47115.	13810.
#3	28936.	47120.	13994.

Sample Name: CCV Acquired: 8/11/2011 17:58:26 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**198.8**	**5037.**	**4977.**	**200.8**	**202.1**	**193.2**	**5155.**	**211.7**	**199.7**	**208.1**	**207.9**
Stddev	3.9	25.	47.	1.4	1.0	1.1	31.	2.6	.5	2.5	2.6
%RSD	1.939	.4921	.9472	.7117	.4743	.5468	.6006	1.235	.2380	1.192	1.271
#1	199.4	5034.	4925.	201.3	202.0	192.7	5132.	213.9	200.1	207.7	207.5
#2	194.7	5013.	4991.	201.9	201.2	192.5	5142.	212.5	199.9	205.8	205.5
#3	202.3	5062.	5016.	199.2	203.1	194.4	5190.	208.8	199.2	210.7	210.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5327.**	**5172.**	**5311.**	**5161.**	**210.3**	**5229.**	**202.4**	**210.5**	**200.2**	**198.8**	**202.9**
Stddev	16.	18.	20.	42.	1.0	27.	.4	1.0	1.7	3.7	1.9
%RSD	.3082	.3407	.3853	.8089	.4854	.5222	.2213	.4651	.8575	1.858	.9231
#1	5340.	5161.	5288.	5126.	210.6	5225.	202.9	211.3	198.3	202.4	202.1
#2	5308.	5163.	5319.	5150.	209.2	5204.	202.0	210.9	201.5	195.0	201.5
#3	5333.	5192.	5327.	5207.	211.2	5258.	202.4	209.5	200.8	199.1	205.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**200.2**	**205.7**	**202.6**	**201.3**	**206.3**	**5062.**	**5034.**	**206.7**	**206.1**
Stddev	1.6	1.7	.5	1.0	.2	38.	31.	.2	.6
%RSD	.8231	.8099	.2315	.4856	.1195	.7536	.6113	.0792	.3142
#1	201.0	207.6	202.8	201.6	206.0	5067.	5008.	206.9	206.7
#2	198.3	205.1	203.0	200.2	206.5	5021.	5025.	206.6	206.2
#3	201.3	204.4	202.1	202.1	206.4	5097.	5068.	206.7	205.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28728.**	**47968.**	**14141.**
Stddev	162.	194.	270.
%RSD	.56450	.40392	1.9095
#1	28545.	48189.	14048.
#2	28785.	47827.	13930.
#3	28854.	47887.	14445.

Sample Name: CCB Acquired: 8/11/2011 18:02:16 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0609**	**-2.162**	**-10.49**	**-1.191**	**.5066**	**-.6124**	**-9.014**	**-.7411**	**-.2661**	**-.1389**	**.1048**
Stddev	.1527	1.539	18.41	1.239	.3550	.3445	3.043	.2095	.0809	.3518	.1838
%RSD	250.6	71.18	175.5	104.0	70.07	56.25	33.76	28.26	30.41	253.2	175.4
#1	.0223	-.4836	-22.24	-.5746	.1013	-1.008	-6.404	-.5119	-.1946	-.0630	.1666
#2	.2293	-2.496	10.72	-2.617	.7622	-.4464	-12.36	-.7889	-.2497	-.5225	.2496
#3	-.0688	-3.507	-19.94	-.3807	.6563	-.3824	-8.283	-.9225	-.3539	.1687	-.1019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.516**	**.0185**	**-81.39**	**15.23**	**-.2844**	**-192.6**	**.7503**	**1.534**	**-4.591**	**.4330**	**-2.406**
Stddev	.115	2.694	79.67	10.99	.0349	10.3	.2683	2.820	.896	2.905	.166
%RSD	4.585	14570.	97.89	72.17	12.27	5.358	35.76	183.8	19.53	671.0	6.889
#1	2.393	2.453	-54.74	27.43	-.2464	-182.4	1.005	-.1149	-4.951	-2.779	-2.269
#2	2.622	.4783	-171.0	12.15	-.2920	-203.0	.4699	4.790	-3.570	2.878	-2.357
#3	2.531	-2.875	-18.46	6.102	-.3149	-192.4	.7763	-.0735	-5.251	1.200	-2.590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4185**	**-1.196**	**-.3942**	**-.3536**	**-1.585**	**1.039**	**11.97**	**-1.348**	**-.8455**
Stddev	.3636	.235	.1465	.1879	.598	3.252	8.43	.315	.2908
%RSD	86.88	19.68	37.16	53.14	37.74	313.1	70.38	23.40	34.39
#1	.0013	-1.461	-.4263	-.1778	-1.716	3.046	14.91	-.9845	-.5205
#2	-.6238	-1.119	-.5221	-.3313	-.9320	2.783	2.471	-1.512	-1.081
#3	-.6329	-1.009	-.2344	-.5516	-2.106	-2.714	18.54	-1.548	-.9349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**29121.**	**48299.**	**14531.**
Stddev	291.	362.	110.
%RSD	1.0002	.74881	.75918
#1	28829.	48560.	14581.
#2	29124.	47886.	14608.
#3	29411.	48450.	14405.

Sample Name: RL Acquired: 8/11/2011 18:06:17 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.606**	**109.3**	**84.32**	**6.857**	**103.3**	**2.563**	**502.0**	**2.540**	**20.56**	**5.686**	**11.23**
Stddev	.803	1.0	3.40	.972	.4	.257	5.2	.265	.45	.044	.45
%RSD	14.32	.9057	4.035	14.17	.3753	10.02	1.026	10.42	2.188	.7689	4.034
#1	4.849	108.7	85.46	7.940	103.5	2.333	496.2	2.263	20.05	5.689	11.14
#2	6.448	108.9	80.49	6.063	103.4	2.516	506.1	2.566	20.71	5.728	11.72
#3	5.520	110.5	87.00	6.567	102.8	2.840	503.8	2.790	20.91	5.641	10.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.35**	**43.81**	**424.7**	**523.1**	**5.234**	**876.9**	**20.54**	**8.886**	**17.71**	**18.91**	**19.14**
Stddev	.22	6.13	38.9	13.9	.096	19.1	.27	1.523	1.81	5.67	2.01
%RSD	.4851	13.98	9.168	2.649	1.838	2.180	1.311	17.14	10.24	29.97	10.49
#1	46.38	50.06	402.1	537.1	5.127	877.3	20.81	10.61	18.07	22.30	18.48
#2	46.12	37.81	469.7	509.3	5.260	895.8	20.27	7.732	19.32	22.07	21.39
#3	46.57	43.55	402.4	523.0	5.314	857.6	20.52	8.314	15.75	12.37	17.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19.73**	**21.65**	**10.30**	**10.23**	**9.514**	**523.1**	**558.8**	**8.730**	**10.10**
Stddev	.46	.21	.42	.28	1.129	3.2	10.4	.598	.80
%RSD	2.326	.9716	4.047	2.763	11.87	.6078	1.865	6.852	7.894
#1	20.25	21.49	10.77	10.49	8.665	519.9	568.6	9.414	10.23
#2	19.42	21.58	9.971	10.26	10.80	523.2	547.9	8.474	10.83
#3	19.51	21.89	10.17	9.930	9.083	526.2	560.0	8.303	9.249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28669.**	**47617.**	**14180.**
Stddev	13.	843.	104.
%RSD	.04603	1.7707	.73163
#1	28676.	48325.	14190.
#2	28654.	47841.	14279.
#3	28678.	46684.	14072.

Sample Name: 2RL Acquired: 8/11/2011 18:10:18 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.14**	**210.5**	**200.8**	**17.31**	**206.8**	**5.644**	**1025.**	**5.800**	**41.33**	**11.33**	**22.15**
Stddev	.60	.7	9.9	2.16	.7	.266	5.	.196	.22	.09	.63
%RSD	5.376	.3098	4.949	12.49	.3390	4.716	.5323	3.384	.5240	.7853	2.823
#1	11.35	210.4	200.4	14.88	207.2	5.928	1029.	5.629	41.09	11.23	21.64
#2	10.46	211.1	191.1	19.03	206.0	5.400	1019.	5.756	41.42	11.39	21.96
#3	11.60	209.8	211.0	18.02	207.2	5.605	1027.	6.014	41.49	11.38	22.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**100.7**	**97.95**	**889.0**	**1030.**	**10.70**	**1980.**	**40.79**	**16.88**	**36.97**	**41.80**	**39.64**
Stddev	.2	2.19	116.5	11.	.08	33.	.52	.07	1.35	3.01	2.76
%RSD	.2449	2.235	13.11	1.047	.7707	1.680	1.285	.4341	3.648	7.204	6.951
#1	100.5	96.41	760.4	1042.	10.63	2013.	40.79	16.87	38.53	38.84	41.63
#2	101.0	97.00	987.5	1020.	10.68	1946.	40.26	16.96	36.20	44.86	36.50
#3	100.7	100.5	919.2	1029.	10.79	1980.	41.31	16.82	36.19	41.71	40.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**40.94**	**45.01**	**20.45**	**23.49**	**18.86**	**1044.**	**1070.**	**19.84**	**21.47**
Stddev	.81	.31	.10	5.18	.45	5.	22.	.27	.35
%RSD	1.967	.6951	.4895	22.06	2.360	.4519	2.085	1.384	1.623
#1	40.67	45.27	20.42	20.17	18.38	1043.	1092.	19.83	21.56
#2	41.85	44.66	20.37	29.46	19.26	1050.	1048.	19.58	21.76
#3	40.31	45.09	20.57	20.83	18.93	1040.	1071.	20.12	21.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value									
Range									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	**28823.**	**47657.**	**14029.**
Stddev	20.	110.	129.
%RSD	.06903	.23062	.91660
#1	28801.	47631.	13952.
#2	28828.	47563.	14177.
#3	28840.	47778.	13957.

Sample Name: IOS Acquired: 8/11/2011 18:14:17 Type: QC
Method: PROMIUM(v18) Mode: CONC Corr. Factor: 1.000000
User: RRecto : Instrument: ICAP6300 Method: SOP-C-109
Comment:

Elem	Ag3280	Al3961A	Al3961R	As1890	Ba4554R	Be3131R	Ca3179R	Cd2265	Co2286	Cr2677	Cu3247
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6924	^F *****	309700.	-.8524	.2672	.0432	291000.	-2.569	-1.191	1.124	1.974
Stddev	.3340	-----	954.	1.147	.6995	.2001	4705.	.297	.244	.237	.707
%RSD	48.23	-----	.3079	134.5	261.7	462.9	1.617	11.55	20.47	21.05	35.82
#1	.3999	^ -----	309000.	-2.133	-.0975	-.1404	292700.	-2.671	-1.123	.8717	1.316
#2	1.056	^ -----	310800.	-.5042	1.074	.0136	285600.	-2.802	-1.461	1.159	1.885
#3	.6210	^ -----	309200.	.0798	-.1745	.2564	294600.	-2.235	-.9876	1.341	2.722
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		360000.									
Low Limit		240000.									

Elem	Fe2599A	Fe2599R	K_7664R	Mg2790R	Mn2576	Na5895R	Ni2316	Pb2203	Sb2068	Se1960	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	^ *****	286500.	106.1	293800.	-.5838	317600.	-3.816	-1.292	-.6588	11.80	.5493
Stddev	-----	1042.	11.6	295.	.0388	2972.	.860	.294	3.961	1.90	1.914
%RSD	-----	.3635	10.91	.1003	6.642	.9356	22.53	22.72	601.2	16.14	348.4
#1	^ -----	287300.	114.8	293500.	-.6251	318300.	-3.239	-1.174	3.568	13.94	2.405
#2	^ -----	285400.	110.5	293900.	-.5782	320200.	-4.804	-1.627	-4.286	10.30	-1.417
#3	^ -----	286900.	92.97	294100.	-.5482	314400.	-3.404	-1.076	-1.258	11.15	.6597
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Mo2020	Ti3372	B_2089	Si2881A	Si2881R	Sr3464	Sn1899
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.795	2.234	-2.497	1.221	-2.012	-8.055	52.33	.6879	.9425
Stddev	.410	.119	.397	.365	1.027	4.033	12.74	.5051	.8468
%RSD	22.83	5.307	15.91	29.93	51.06	50.06	24.35	73.43	89.84
#1	-2.144	2.124	-2.943	1.397	-3.066	-3.867	38.21	.3182	1.004
#2	-1.898	2.360	-2.181	.8009	-1.014	-11.91	62.97	.4820	1.757
#3	-1.344	2.219	-2.366	1.465	-1.954	-8.387	55.80	1.263	.0666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Int. Std.	Y_2243-A	Y_3203-A	Y_3600-R
Units	Cts/S	Cts/S	Cts/S
Avg	26764.	44209.	13914.
Stddev	188.	118.	69.
%RSD	.70208	.26626	.49924
#1	26601.	44263.	13917.
#2	26721.	44291.	13981.
#3	26969.	44075.	13842.

Preparation Date: 07/28/11 Preparer(s) R. Recto

Project Name(s) Vineland Chemical & Barry Bronze Plating (TCLP) / Genzale Plating

Project #(s) 11070010 & 11070024 / 11070018 & Jewett White (11070033)

(Circle) MATRIX: (1) Aqueous 2. Solid 3. Sludge 4. Oil (5) Other = TCLP Extract

(Circle) PREPARATION: (1) EPA-SOP-C-116 2. Other - (see comments for description)

Weighing Balance # 25B

DigiBloc: ☑ ID# 4135020277 set at 85 °C ☐ ID# 4135020281 set at N/A °C

Temperature Readings: (For Aqueous) Start: 85 °C Final 85 °C

(For Solids) Start: N/A °C Final N/A °C

Reference Logbook for % Solids: Bk # N/A Pg # N/A

SPIKING SOLUTIONS used for the Matrix Spike (MS) & Aqueous-LCS(s) or LCSWs:

SOLUTIONS	SOL'N ID / EXP. DATE	ELEMENT(S)	INITIAL CONC.
SPIKE MIX #1	D1B2274 EXP. 08/20/11	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn, Mo, Ti, B, Sr, Sn	100 PPM
SPIKE MIX #2	D1B2275 EXP. 08/20/11	Al, Ca, Fe, K, Mg, Na, Si	2500 PPM

Matrix Spike (**MS**) and Aqueous-LCS(s) or (**LCSWs**) spiked with the following: (based on 50 mL final volume)

100 uL of SPIKE MIX #1
+
100 uL of SPIKE MIX #2

SOLID-LCS(s) & ACIDS:

REAGENT	SOURCE/SUPPLIER	ID#
SOLID LCS(s) or LCSS	N/A	N/A
Conc. HNO_3	GFS	D1G2218
Conc. HCl	GFS	D1G2215

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO	SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO
PBW-1	Y N N/A	50	50	Y N	AN03323	Y N N/A	50	50	Y N
LCSW-1	Y N N/A		50	Y N	AN03324	Y N N/A		50	Y N
LCSW-2	Y N N/A		50	Y N	AN03324 MS	Y N N/A		50	Y N
AN03221	Y N N/A		50	Y N	AN03325	Y N N/A		50	Y N
AN03221 MS	Y N N/A		50	Y N	AN03326	Y N N/A		50	Y N
AN03224	Y N N/A		50	Y N	AN03326 MS	Y N N/A		50	Y N
AN03228	Y N N/A		50	Y N	PBW-2	Y N N/A		50	Y N
AN03222	Y N N/A		50	Y N	LCSW-3	Y N N/A		50	Y N
AN03222 MS	Y N N/A		50	Y N	LCSW-4	Y N N/A		50	Y N
AN03223	Y N N/A		50	Y N	AN03306	Y N N/A		50	Y N
AN03225	Y N N/A		50	Y N	AN03306 MS	Y N N/A		50	Y N
AN03226	Y N N/A		50	Y N	AN03298	Y N N/A		50	Y N
AN03227	Y N N/A		50	Y N	AN03299	Y N N/A		50	Y N
AN03229	Y N N/A		50	Y N	AN03300	Y N N/A		50	Y N
AN03230	Y N N/A		50	Y N	AN03301	Y N N/A		50	Y N
AN03231	Y N N/A		50	Y N	AN03302	Y N N/A		50	Y N
Fluid #1 (BLK-1)	Y N N/A	↓	50	Y N	AN03303	Y N N/A	↓	50	Y N
Fluid #2 (BLK-2)	Y N N/A	50	50	Y N	AN03304	Y N N/A	50	50	Y N

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + **Mo, Ti, B, Si, Sr, Sn**

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

Preparer Signature: [signature] Date: 7/28/11

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO	SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO
AN03305	Y N N/A	50	50	Y N		Y N N/A		50	Y N
AN03307	Y N N/A		50	Y N		Y N N/A		50	Y N
AN03308	Y N N/A		50	Y N		Y N N/A		50	Y N
AN03309	Y N N/A		50	Y N		Y N N/A		50	Y N
AN03310	Y N N/A		50	Y N		Y N N/A		50	Y N
AN03311	Y N N/A		50	Y N		Y N N/A		50	Y N
AN03312	Y N N/A		50	Y N		Y N N/A		50	Y N
AN03313	Y N N/A		50	Y N		Y N N/A		50	Y N
AN03435	Y N N/A		50	Y N		Y N N/A	7/28/11	50	Y N
AN03435 MS	Y N N/A	50	50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A	7/28/11	50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + **Mo, Ti, B, Si, Sr, Sn**

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

Preparer Signature: [illegible] Date: 7/28/11

Preparation Date: 7/28/11 Preparer(s) F. Xu

Project Name(s) IDOC, Jewett White

Project #(s) NA, 11070033

(Circle) MATRIX: 1. Aqueous (2.) Solid 3. Sludge 4. Oil 5. Other

(Circle) PREPARATION: (1.) EPA-SOP-C-116 2. Other - (see comments for description)

Weighing Balance # 25B

DigiBloc: ☑ ID# 4135020277 set at 95 °C ☐ ID# 4135020281 set at _____ °C

Temperature Readings: (For Aqueous) Start: NA °C Final NA °C

(For Solids) Start: 95 °C Final 95 °C

Reference Logbook for % Solids: Bk # 15 Pg # 103-104

SPIKING SOLUTIONS used for the Matrix Spike (MS) & Aqueous-LCS(s) or LCSWs:

SOLUTIONS	SOL'N ID / EXP. DATE	ELEMENT(S)	INITIAL CONC.
SPIKE MIX #1	DIB 2274 EXP. 08/20/11	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn, Mo, Ti, B, Sr, Sn	100 PPM
SPIKE MIX #2	DIB 2275 EXP. 08/20/11	Al, Ca, Fe, K, Mg, Na, Si	2500 PPM

Matrix Spike (**MS**) and Aqueous-LCS(s) or (**LCSWs**) spiked with the following: (based on 50 mL final volume)

100 uL of SPIKE MIX #1
+
100 uL of SPIKE MIX #2

SOLID-LCS(s) & ACIDS:

REAGENT	SOURCE/SUPPLIER	ID#
SOLID LCS(s) or LCSS	ERA	DIC2826
Conc. HNO_3	GFS	DIG2218
Conc. HCl	GFS	DIG2215

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL (gr) or mL	FINAL mL	FILTERED Y=YES N=NO
PBS-1	Y N N/A	0.60	50	Y N
LCSS-1	Y N N/A	0.58	50	Y N
LCSS-2	Y N N/A	0.60	50	Y N
AN03414	Y N N/A	0.54	50	Y N
AN03414ms	Y N N/A	0.54	50	Y N
AN03415	Y N N/A	0.54	50	Y N
AN03416	Y N N/A	0.61	50	Y N
AN03417	Y N N/A	0.57	50	Y N
AN03418	Y N N/A	0.54	50	Y N
AN03419	Y N N/A	0.55	50	Y N
AN03420	Y N N/A	0.57	50	Y N
AN03421	Y N N/A	0.55	50	Y N
AN03422	Y N N/A	0.55	50	Y N
AN03423	Y N N/A	0.55	50	Y N
AN03424	Y N N/A	0.55	50	Y N
AN03425	Y N N/A	0.61	50	Y N
AN03426	Y N N/A	0.55	50	Y N
AN03427	Y N N/A	0.55	50	Y N

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL (gr) or mL	FINAL mL	FILTERED Y=YES N=NO
PBS-2	Y N N/A	0.60	50	Y N
LCSS-3	Y N N/A	0.53	50	Y N
LCSS-4	Y N N/A	0.56	50	Y N
AN03428	Y N N/A	0.60	50	Y N
AN03428ms	Y N N/A	0.60	50	Y N
AN03429	Y N N/A	0.61	50	Y N
AN03430	Y N N/A	0.53	50	Y N
AN03431	Y N N/A	0.57	50	Y N
AN03432	Y N N/A	0.53	50	Y N
AN03433	Y N N/A	0.56	50	Y N
AN03434	Y N N/A	0.60	50	Y N
	Y N N/A		50	Y N
	Y N N/A		50	Y N
	Y N N/A		50	Y N
	Y N N/A		50	Y N
	Y N N/A		50	Y N
	Y N N/A		50	Y N
	Y N N/A		50	Y N

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + **Mo, Ti, B, Si, Sr, Sn**

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

Preparer Signature: _____ Date: 7/28/11

ESAT ICP Prep – 19 Lock #: 0200649 Page # 07

Preparation Date: 8/9/11 TX 8/9/11 Preparer(s) TX

Project Name(s) IDOC, Mohonk Road, & Jewelle White

Project #(s) NA, 1108019 & 1107033

(Circle) MATRIX: (1. Aqueous) 2. Solid 3. Sludge 4. Oil 5. Other

(Circle) PREPARATION: (1) EPA-SOP-C-116 2. Other - (see comments for description)

Weighing Balance # 25B

DigiBloc: ☑ ID# 4135020277 set at 85 °C ☐ ID# 4135020281 set at N/A °C

Temperature Readings: (For Aqueous) Start: 85 °C Final 85 °C

(For Solids) Start: NA °C Final NA °C

Reference Logbook for % Solids: Bk # N/A Pg # N/A

SPIKING SOLUTIONS used for the Matrix Spike (MS) & Aqueous-LCS(s) or LCSWs:

SOLUTIONS	SOL'N ID / EXP. DATE	ELEMENT(S)	INITIAL CONC.
SPIKE MIX #1	DIH0822 TX 8/9/11 ~~DIH0823~~ EXP. 02 08 2012	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn, Mo, Ti, B, Sr, Sn	100 PPM
SPIKE MIX #2	DIH 0823 EXP. 02/08/2012	Al, Ca, Fe, K, Mg, Na, Si	2500 PPM

Matrix Spike (**MS**) and Aqueous-LCS(s) or (**LCSWs**) spiked with the following: (based on 50 mL final volume)

100 uL of SPIKE MIX #1
+
100 uL of SPIKE MIX #2

SOLID-LCS(s) & ACIDS:

REAGENT	SOURCE/SUPPLIER	ID#
SOLID LCS(s) or LCSS	N/A	NA
Conc. HNO_3	GFS	DI 63218
Conc. HCl	GFS	DI 63215

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO	SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO
PBW	Y N N/A	50	50	Y N		Y N N/A		50	Y N
LCSW-1	Y N N/A		50	Y N		Y N N/A		50	Y N
LCSW-2	Y N N/A		50	Y N		Y N N/A		50	Y N
LCSW-3	Y N N/A		50	Y N		Y N N/A		50	Y N
LCSW-4	Y N N/A		50	Y N		Y N N/A		50	Y N
AN 3581	Y N N/A		50	Y N		Y N N/A		50	Y N
AN3581 ms	Y N N/A		50	Y N		Y N N/A		50	Y N
1108019-1	Y N N/A		50	Y N		Y N N/A		50	Y N
1108019-1 ms	Y N N/A		50	Y N		Y N N/A		50	Y N
1108019-2	Y N N/A		50	Y N		Y N N/A		50	Y N
LCSW-5	Y N N/A	50	50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N

8/9/11

8/9/11

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + Mo, Ti, B, Si, Sr, Sn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

Preparer Signature: _____ Date: 8/9/11

Preparation Date: 3/10/11 Preparer(s) TX

Project Name(s) Terrell White & Page 287 Dump Site

Project #(s) 11070033 & 11080004

(Circle) MATRIX: 1. Aqueous (2. Solid) 3. Sludge 4. Oil 5. Other

(Circle) PREPARATION: (1) EPA-SOP-C-116 2. Other - (see comments for description)

Weighing Balance # 25B

DigiBloc: ☑ ID# 4135020277 set at 95 °C ☐ ID# 4135020281 set at N/A °C

Temperature Readings: (For Aqueous) Start: NA °C Final NA °C

(For Solids) Start: 95 °C Final 95 °C

Reference Logbook for % Solids: Bk # 15 Pg # 103

SPIKING SOLUTIONS used for the Matrix Spike (MS) & Aqueous-LCS(s) or LCSWs:

SOLUTIONS	SOL'N ID / EXP. DATE	ELEMENT(S)	INITIAL CONC.
SPIKE MIX #1	DIH0823 2 TX 3/10/11 EXP. 02/03/2012	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn, Mo, Ti, B, Sr, Sn	100 PPM
SPIKE MIX #2	DIH0823 EXP. 02/03/2012	Al, Ca, Fe, K, Mg, Na, Si	2500 PPM

Matrix Spike (**MS**) and Aqueous-LCS(s) or (**LCSWs**) spiked with the following: (based on 50 mL final volume)

100 uL of SPIKE MIX #1
+
100 uL of SPIKE MIX #2

SOLID-LCS(s) & ACIDS:

REAGENT	SOURCE/SUPPLIER	ID#
SOLID LCS(s) or LCSS	EPA	DIC2226
Conc. HNO_3	GFS	DIG3218
Conc. HCl	GFS	DIG3215

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO	SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO
PBS	Y N N/A	0.57	50	Y N	AN3576	Y N N/A	0.57	50	Y N
LCSS-1	Y N N/A	0.51	50	Y N	AN3577	Y N N/A	0.54	50	Y N
LCSS-2	Y N N/A	0.51	50	Y N	AN3578	Y N N/A	0.57	50	Y N
1108004-05	Y N N/A	0.60	50	Y N	AN3579	Y N N/A	0.51	50	Y N
1108004-05MS	Y N N/A	0.60	50	Y N	AN3580	Y N N/A	0.60	50	Y N
1108004-06	Y N N/A	0.64	50	Y N		Y N N/A		50	Y N
1108004-07	Y N N/A	0.64	50	Y N		Y N N/A		50	Y N
1108006-09	Y N N/A	0.60	50	Y N		Y N N/A		50	Y N
1108006-10	Y N N/A	0.61	50	Y N		Y N N/A		50	Y N
1108006-11	Y N N/A	0.68	50	Y N		Y N N/A		50	Y N
1108012-09	Y N N/A	0.66	50	Y N		Y N N/A		50	Y N
1108012-10	Y N N/A	0.75	50	Y N		Y N N/A		50	Y N
1108012-11	Y N N/A	0.58	50	Y N		Y N N/A		50	Y N
AN03572	Y N N/A	0.53	50	Y N		Y N N/A		50	Y N
AN03573	Y N N/A	0.57	50	Y N		Y N N/A		50	Y N
AN3573MS	Y N N/A	0.57	50	Y N		Y N N/A		50	Y N
AN3574	Y N N/A	0.54	50	Y N		Y N N/A		50	Y N
AN3575	Y N N/A	0.53	50	Y N		Y N N/A		50	Y N

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + **Mo, Ti, B, Si, Sr, Sn**

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

Preparer Signature: _____ Date: 8/10/11

Preparation Date: 8/12/11 Preparer(s) R. Recto

Project Name(s) Jewett White Lead

Project #(s) 11070063

(Circle) MATRIX: (1) Aqueous 2. Solid 3. Sludge 4. Oil 5. Other

(Circle) PREPARATION: (1) EPA-SOP-C-116 2. Other - (see comments for description)

Weighing Balance # 256

DigiBloc: ☑ ID# 4135020277 set at 85 °C ☐ ID# 4135020281 set at N/A °C

Temperature Readings: (For Aqueous) Start: 85 °C Final 85 °C

(For Solids) Start: N/A °C Final N/A °C

Reference Logbook for % Solids: Bk # N/A Pg # N/A

SPIKING SOLUTIONS used for the Matrix Spike (MS) & Aqueous-LCS(s) or LCSWs:

SOLUTIONS	SOL'N ID / EXP. DATE	ELEMENT(S)	INITIAL CONC.
SPIKE MIX #1	D1H0822 EXP. 02/08/12	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn, Mo, Ti, B, Sr, Sn	100 PPM
SPIKE MIX #2	D1H0823 EXP. 02/08/12	Al, Ca, Fe, K, Mg, Na, Si	2500 PPM

Matrix Spike (**MS**) and Aqueous-LCS(s) or (**LCSWs**) spiked with the following: (based on 50 mL final volume)

100 uL of SPIKE MIX #1
+
100 uL of SPIKE MIX #2

SOLID-LCS(s) & ACIDS:

REAGENT	SOURCE/SUPPLIER	ID#
SOLID LCS(s) or LCSS	N/A	N/A
Conc. HNO_3	GFS	D1G2218
Conc. HCl	GFS	D1G2215

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO
PBW-1	Y N N/A	50	50	Y N
LCSW-1	Y N N/A		50	Y N
LCSW-2	Y N N/A		50	Y N
AN03594	Y N N/A		50	Y N
AN03594 MS	Y N N/A		50	Y N
AN03595	Y N N/A		50	Y N
AN03596	Y N N/A		50	Y N
AN03597	Y N N/A		50	Y N
AN03598	Y N N/A		50	Y N
AN03599	Y N N/A 9/13/11		50	Y N
AN03600	Y N N/A		50	Y N
AN03601	Y N N/A		50	Y N
AN03602	Y N N/A		50	Y N
AN03603	Y N N/A		50	Y N
AN03604	Y N N/A		50	Y N
AN03605	Y N N/A		50	Y N
AN03606	Y N N/A		50	Y N
AN03607	Y N N/A	50	50	Y N

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO
AN03608	Y N N/A	50	50	Y N
PBW-2	Y N N/A		50	Y N
LCSW-3	Y N N/A		50	Y N
LCSW-4	Y N N/A		50	Y N
AN03609	Y N N/A		50	Y N
AN03609 MS	Y N N/A		50	Y N
AN03610	Y N N/A		50	Y N
AN03611	Y N N/A		50	Y N
AN03612	Y N N/A		50	Y N
AN03613	Y N N/A		50	Y N
AN03614	Y N N/A		50	Y N
AN03615	Y N N/A		50	Y N
AN03616	Y N N/A		50	Y N
AN03617	Y N N/A		50	Y N
AN03618	Y N N/A		50	Y N
AN03619	Y N N/A		50	Y N
AN03620	Y N N/A		50	Y N
AN03621	Y N N/A	50	50	Y N
AN03622	Y	50	50	N

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + **Mo, Ti, B, Si, Sr, Sn**

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

Preparer Signature: [illegible] Date: 8/13/11

Preparation Date: 8/12/11 Preparer(s) R. Recto

Project Name(s) Jewett White

Project #(s) 11070033

(Circle) MATRIX: 1. Aqueous (2.) Solid 3. Sludge 4. Oil 5. Other

(Circle) PREPARATION: (1.) EPA-SOP-C-116 2. Other - (see comments for description)

Weighing Balance # 2KB

DigiBloc: [V] ID# 4135020277 set at 95 °C [ ] ID# 4135020281 set at N/A °C

Temperature Readings: (For Aqueous) Start: N/A °C Final N/A °C

(For Solids) Start: 95 °C Final 95 °C

Reference Logbook for % Solids: Bk # _____ Pg # _____

SPIKING SOLUTIONS used for the Matrix Spike (MS) & Aqueous-LCS(s) or LCSWs:

SOLUTIONS	SOL'N ID / EXP. DATE	ELEMENT(S)	INITIAL CONC.
SPIKE MIX #1	D1H0822 EXP. 02/08/12	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Sb, Se, Tl, V, Zn, Mo, Ti, B, Sr, Sn	100 PPM
SPIKE MIX #2	D1H0823 EXP. ~~D1H0823~~ 02/08/12 8/12/10	Al, Ca, Fe, K, Mg, Na, Si	2500 PPM

Matrix Spike (**MS**) and Aqueous-LCS(s) or (**LCSWs**) spiked with the following: (based on 50 mL final volume)

100 uL of SPIKE MIX #1
+
100 uL of SPIKE MIX #2

SOLID-LCS(s) & ACIDS:

REAGENT	SOURCE/SUPPLIER	ID#
SOLID LCS(s) or LCSS	ERA	D1C2826
Conc. HNO_3	GFS	D1G2218
Conc. HCl	GFS	D1G2215

SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO	SAMPLE ID	pH < 2 (Aq only) Y=YES N=NO	INITIAL gr. or mL	FINAL mL	FILTERED Y=YES N=NO
PBS	Y N N/A	0.50	50	Y N		Y N N/A		50	Y N
LCSS-1	Y N N/A	0.50	50	Y N		Y N N/A		50	Y N
LCSS-2	Y N N/A	0.51	50	Y N		Y N N/A		50	Y N
AND3673	Y N N/A	0.64	50	Y N		Y N N/A		50	Y N
AND3673 MS	Y N N/A	0.64	50	Y N		Y N N/A		50	Y N
AND3674	Y N N/A	0.70	50	Y N		Y N N/A		50	Y N
AND3675	Y N N/A	0.63	50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A	8/12/11	50	Y N		Y N N/A		50	Y N
	Y N N/A	8/12/11	50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N
	Y N N/A		50	Y N		Y N N/A		50	Y N

Common Analyte Groups:

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn

TAL + EXTRA: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Tl, V, Zn + **Mo, Ti, B, Si, Sr, Sn**

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se

Preparation Comments: (Left blank if none)

Preparer Signature: [illegible] Date: 8/12/11

Analysis Date: 08/02/11 Data File Name: ESAT080211

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: PT. MET

Samples Prepared on Date(s): 07/28/11 Prepared By: R. Recto

ESAT Logbook-Metals Prep. # 19 Page(s): 01, 02A, 02B, 03, 04A, 04B Other: _____

Project Name	Project Number	Sample Numbers	Scan Type
Barry Bronze	11070024	AN03316 - 3322	Pb
Vineland	11070010	AN03232 - 3235	As, Al, Fe, Pb, Mn
Gemale Plating	11070018	AN03298 - 3313	TAL
Jewett white Lead	11070033	AN03435 (AQ)	TAL
	8/3/11		

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo , Ti , B , Si , Sr , Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIB2270	DIB2271	DIB2272	DIB2337

ICV/CCV	RL	2RL	IOS
DIB2273	DIB2277	DIB2278	DIB2330

Comments about analysis:

_____

_____

_____

_____

Analyst Signature: [signature]

8/8/11

Logbook#: **ESAT ICP ANALYSIS** - 13 Lock#: 0200813 Page#: 62

Analysis Date: 08/08/11 Data File Name: ESAT080811

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: PT. MET

Samples Prepared on Date(s): 7/28/11 Prepared By: YX

ESAT Logbook-Metals Prep. # 19 Page(s): 05, 06 Other: _____

Project Name	Project Number	Sample Numbers	Scan Type
Jewett White	11070033	AN3414 - 3434	TAL
IDOC	NA	LCSS-1, LCSS-2	TAL
IDOC	NA	LCSS-3 LCSS-4	TAL
Jewett White	11070033	AN3418x10	Fe
Jewett White	11070033	AN3422x10, AN3424x10	Pb
		YX 8/8/11	

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo , Ti , B , Si , Sr , Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIH0818	DIH0819	DIH0820	DIH0829

ICV/CCV	RL	2RL	IOS
DIH0821	DIH0825	DIH0826	DIH0827

Comments about analysis:

_____

_____

_____

_____

Analyst Signature: _____

Logbook#: **ESAT ICP ANALYSIS** - 13 Lock#: 0200813 Page#: 63

Analysis Date: 08/09/11 Data File Name: ESAT 080911

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: P.T MET

Samples Prepared on Date(s): 7/28/11 Prepared By: TX

ESAT Logbook-Metals Prep. # 19 Page(s): 05, 06 Other: _____

8/9/11

Project Name	Project Number	Sample Numbers	Scan Type
Jewett White	11070033	AN3416x10, AN3426x10	Fe
↓	↓	AN3428x10 AN3418x10	Fe
		AN3421x10 AN3430x10	
		AN3423x10 AN3425x10	Pb, Fe
		AN3431x10	Cu, Fe
		TX 8/9/11	

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo, Ti, B, Si, Sr, Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIH0818	DIH0819	DIH0820	DIH0829

ICV/CCV	RL	2RL	IOS
DIH0821	DIH0825	DIH0826	DIH0827

Comments about analysis:

Analyst Signature: _____

Logbook#: **ESAT ICP ANALYSIS - 13** Lock#: 0200813 Page#: 64

Analysis Date: 8/11/11 **Data File Name:** ESAT 081111

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: _____

Samples Prepared on Date(s): 8/9/11 . 8/10/11 Prepared By: FX

ESAT Logbook-Metals Prep. # 19 Page(s): 07, 08, 09, 10 Other: _____

Project Name	Project Number	Sample Numbers	Scan Type
IDUC	NA	LCSW-1 — LCSW-4	TAL
Mohawk Brook	1108019	1108019-1 — 1108019-2	Fe
Jewett White	11070033	AN3572 - AN3581	TAL
Route 187 Dump Site	1108004	1108004-05 - 1108004-07	TAL
↓	↓	1108006-09 - 1108006-11	TAL
↓	↓	1108012-09 - 1108012-11	TAL

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP: Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo, Ti, B, Si, Sr, Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIH0818	DIH0819	DIH0820	DIH0829

ICV/CCV	RL	2RL	IOS
DIH0821	DIH0825	DIH0826	DIH0827

Comments about analysis:

_____

_____

_____

_____

Analyst Signature: _____

FX 8/11/11

Analysis Date: 8/14/11 Data File Name: ESAT081411

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: PROMIUM

Samples Prepared on Date(s): 8/12/11 Prepared By: R. Recto

ESAT Logbook-Metals Prep. # 19 Page(s): 11 - 12 Other: _____

Project Name	Project Number	Sample Numbers	Scan Type
		AN03594	
		↓	
Jewett White Lead	11070033		
			TAL
		↓	
		AN03622	

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo , Ti , B , Si , Sr , Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIH0818	DIH0819	DIH0820	DIH0829

ICV/CCV	RL	2RL	IOS
DIH0821	DIH0825	DIH0826	DIH0827

Comments about analysis:

AN03594 - 3619 contain high salts esp. Na & K

Analyst Signature: R Recto

Logbook#: **ESAT ICP ANALYSIS - 13** Lock#: 0200813 Page#: 66

Analysis Date: 8/15/11 Data File Name: ESAT 081511

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: PROMIUM

Samples Prepared on Date(s): 8/12/11 Prepared By: R. RECTO

ESAT Logbook-Metals Prep. # 19 Page(s): 13-14 Other: _____

Project Name	Project Number	Sample Numbers	Scan Type
		AN03623	
		↓	
Jewell White	11070033	AN03624	TAL
		↓	
		AN03625	

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo , Ti , B , Si , Sr , Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIH0818	DIH0819	DIH0820	DIH0829

ICV/CCV	RL	2RL	IOS
DIH0821	DIH0825	DIH0826	DIH0827

Comments about analysis:

_____

_____

_____

_____

Analyst Signature: RARecto

Logbook#: **ESAT ICP ANALYSIS** - 13 Lock#: 0200813 Page#: 67

Analysis Date: 08/16/11 Data File Name: ESAT081611

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: PROMIUM

Samples Prepared on Date(s): 8/12/11 Prepared By: R. Recto

ESAT Logbook-Metals Prep. # 19 Page(s): 11 - 12 Other: _____

Project Name	Project Number	Sample Numbers	Scan Type
		AN03594 x 20	
		↓	
Jewett White	11070033	*	Na, K
		↓	
		AN03619 x 20	
		AN03620, 3621, 3622	

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo , Ti , B , Si , Sr , Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIH0818	DIH0819	DIH0820	DIH0829

ICV/CCV	RL	2RL	IOS
DIH0821	DIH0825	DIH0826	DIH0827

Comments about analysis:

* Dilution re-analysis (20X on 100X) for AN03594 - 3619

Analyst Signature: RRecto

Logbook#: **ESAT ICP ANALYSIS** - 13 Lock#: 0200813 Page#: 68

Analysis Date: 08/17/11 Data File Name: ESAT 081711

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: PT. MET

Samples Prepared on Date(s): 8/12/11 Prepared By: R. RECTO

ESAT Logbook-Metals Prep. # 19 Page(s): 11 - 12 Other: _____

Project Name	Project Number	Sample Numbers	Scan Type
		AN03594	
		↓	
Jewett White	11070033		As, Pb
		AN03608	

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo , Ti , B , Si , Sr , Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIH0818	DIH0819	DIH0820	DIH0829

ICV/CCV	RL	2RL	IOS
DIH0821	DIH0825	DIH0826	DIH0827

Comments about analysis:

Samples very high salts esp. Na & K → Dilution re-analysis for As & Pb

Analyst Signature: RRecto

Logbook#: **ESAT ICP ANALYSIS** - 13 Lock#: 0200813 Page#: 69

Analysis Date: 08/18/11 Data File Name: ESAT081811

Instrument: ☑ ICAP 6300 Duo (Axial & Radial mode) Other: _____

Analytical Method: ☑ EPA-SOP- C- 109 Other: _____

Instrumental Method: PT_MET

Samples Prepared on Date(s): 8/12/11 Prepared By: R. RECTO

ESAT Logbook-Metals Prep. # 19 Page(s): 11-12 Other: _____

Project Name	Project Number	Sample Numbers	Scan Type
		AN03609 x 2	
Jewett White	11070033	*	As, Pb
		AN03619 x 2	
		AN03620, 3621, 3622	

TAL: Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Se, Sb, Sr, Tl, V, Zn

TCLP : Ag, As, Ba, Cd, Cr, Pb, Se ☐ **plus Other:** Mo , Ti , B , Si , Sr , Sn (e.g. PT samples)

CAL and QC Standards ID:

Calibration Std 0 (BLANK STD)	Calibration Std 1 (MID STD)	Calibration Std 2 (HIGH STD)	Internal Standard + Matrix Modifier (5 ppm Yttrium + 0.2% Cesium)
DIH0818	DIH0819	DIH0820	DIH0829

ICV/CCV	RL	2RL	IOS
DIH0821	DIH0825	DIH0826	DIH0827

Comments about analysis:

* Sample very high salts esp. Na & K → Dilution re-analysis for As & Pb (AN03609 - 3619)

Analyst Signature: RD Recto

ESAT pH Check Logbook - 1

(Samples for Metals Analysis)

Lock # 0200884

Project Name & (Project number)	Sample (Lab. Number)	pH < 2 Y = Yes N = No*	Comments: Date & Time of Handling; "Lab. Preservation performed if pH > 2 * and pH < 2 confirmation after 16 - hr. lapsed time"; etc.
Vineland (11070010)	AND3731	Y N	7/27/11 (1405)
Barry Bronze (11070024)	AND3333	Y N	TCLP E fr. EPA 7/28/11 (1600H)
	24	Y N	
	25	Y N	
	26	Y N	
Gungale Plating 11070018	AND3300	Y N	7/28/11 (1605H)
	3298	Y N	
	3299	Y N	
	3301	Y N	
	3302	Y N	
	03	Y N	
	04	Y N	
	05	Y N	
	06	Y N	
	07	Y N	
	08	Y N	
	09	Y N	
	10	Y N	
	11	Y N	
	12	Y N	
	3313	Y N	
Jewett White (11070033)	3435	Y N	
	AND3581	Y N	Ye
Mathonk Rd (110801G)	110801G-1	Y N	8/8/11 (1200H)
	-2	Y N	
Jewett White (11070033)	AND3594	Y N	8/12/11 (1015H)
	95	Y N	
	96	Y N	
	97	Y N	
	98	Y N	
	99	Y N	
	3600	Y N	
	01	Y N	
	02	Y N	
	03	Y N	
	04	Y N	

Analyst: R. Recto

ESAT pH Check Logbook - 1

(Samples for Metals Analysis)

Lock # 0200884

Project Name & (Project number)	Sample (Lab. Number)	pH < 2 Y = Yes N = No*	Comments: Date & Time of Handling; "Lab. Preservation performed if pH > 2 * and pH < 2 confirmation after 16 - hr. lapsed time"; etc.
Jewett White (11070033)	AN03605	Y N	8/12/11 (1017 H)
	06	Y N	
	07	Y N	
	08	Y N	
	09	Y N	
	10	Y N	
	11	Y N	
	12	Y N	
	13	Y N	
	14	Y N	
	15	Y N	
	16	Y N	
	17	Y N	
	18	Y N	
	19	Y N	
	20	Y N	
	21	Y N	
	3622	Y N	
Meeltee Aerosystem (1108042)	1108042-01	Y N	8/22/11 (15:05)
	1108042-02	Y N	
	-03	Y N	
	04	Y N	
Bog Creek (1108052)	1108052-1	Y N	
	1108052-2	Y N	
	1108052-3	Y N	
Rocky Hill (1108057)	1108057-01	Y N	
	1108057-02	Y N	
	1108057-04	Y N	
	1108057-05	Y N	
	1108057-07	Y N	
		Y N	
		Y N	
		Y N	
		Y N	
		Y N	
		Y N	

Analyst: R. Recto

Report Date: 7/26/2011

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03414	1 A) TAL Metals (Soil)	( )	7/18/2011	11:10
AN03415	( )	( )	7/18/2011	11:15
AN03416	( )	( )	7/18/2011	11:05
AN03417	( )	( )	7/18/2011	11:00
AN03418	( )	( )	7/18/2011	11:55
AN03419	( )	( )	7/18/2011	12:05
AN03420	( )	( )	7/18/2011	10:25
AN03421	( )	( )	7/18/2011	12:40
AN03422	( )	( )	7/18/2011	12:45
AN03423	( )	( )	7/18/2011	12:50
AN03424	( )	( )	7/18/2011	12:55
AN03425	( )	( )	7/18/2011	10:05
AN03426	( )	( )	7/18/2011	13:10
AN03427	( )	( )	7/18/2011	13:15
AN03428	( )	( )	7/18/2011	13:40
AN03429	( )	( )	7/18/2011	09:45
AN03430	( )	( )	7/18/2011	09:50
AN03431	( )	( )	7/18/2011	14:05
AN03432	( )	( )	7/18/2011	14:10
AN03433	( )	( )	7/18/2011	09:30
AN03434	( )	( )	7/18/2011	11:10
AN03435	(1) TAL Metals (Aq)	( )	7/19/2011	15:00

7/28/11 GR

Relinquished by: Gary Fisch
Affiliation: ESAT

Received by: R. Ructo
Affiliation: ESAT
Time (24hr clock): 1600 Date: 7/28/11

USEPA
DateShipped: 7/26/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead/NJ
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-072511-170417-0002
Cooler #: 1
Lab: USEPA Region 2
Lab Phone: 732-321-6707

	Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
ANO 3414	1	138-071811-0005	JWL-Soil-2	C	Metals	Soil	7/18/2011	11:10	XRF cup	4 C
3415	2	138-071811-0010	JWL-Soil-2	H	Metals	Soil	7/18/2011	11:15	XRF cup	4 C
3416	3	138-071811-0011	JWL-Soil-3	Surface	Metals	Soil	7/18/2011	11:05	XRF cup	4 C
3417	4	138-071811-0016	JWL-Soil-3	E	Metals	Soil	7/18/2011	11:00	XRF cup	4 C
3418	5	138-071811-0021	JWL-Soil-4	B	Metals	Soil	7/18/2011	11:55	XRF cup	4 C
3419	6	138-071811-0026	JWL-Soil-4	G	Metals	Soil	7/18/2011	12:05	XRF cup	4 C
3420	7	138-071811-0031	JWL-Soil-5	D	Metals	Soil	7/18/2011	10:25	XRF cup	4 C
3421	8	138-071811-0036	JWL-Soil-6	A	Metals	Soil	7/18/2011	12:40	XRF cup	4 C
3422	9	138-071811-0041	JWL-Soil-6	F	Metals	Soil	7/18/2011	12:45	XRF cup	4 C
3423	10	138-071811-0046	JWL-Soil-7	C	Metals	Soil	7/18/2011	12:50	XRF cup	4 C
3424	11	138-071811-0051	JWL-Soil-7	H	Metals	Soil	7/18/2011	12:55	XRF cup	4 C
3425	12	138-071811-0056	JWL-Soil-8	E	Metals	Soil	7/18/2011	10:05	XRF cup	4 C
3426	13	138-071811-0061	JWL-Soil-9	B	Metals	Soil	7/18/2011	13:10	XRF cup	4 C
3427	14	138-071811-0066	JWL-Soil-9	G	Metals	Soil	7/18/2011	13:15	XRF cup	4 C
3428	15	138-071811-0071	JWL-Soil-10	D	Metals	Soil	7/18/2011	13:40	XRF cup	4 C
3429	16	138-071811-0076	JWL-Soil-11	A	Metals	Soil	7/18/2011	09:45	XRF cup	4 C
3430	17	138-071811-0080	JWL-Soil-11	E	Metals	Soil	7/18/2011	09:50	XRF cup	4 C
3431	18	138-071811-0086	JWL-Soil-12	C	Metals	Soil	7/18/2011	14:05	XRF cup	4 C
3432	19	138-071811-0090	JWL-Soil-12	G	Metals	Soil	7/18/2011	14:10	XRF cup	4 C
3433	20	138-071811-0096	JWL-Soil-13	E	Metals	Soil	7/18/2011	09:30	XRF cup	4 C

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC. According to XRF results the samples have the following Pb exceedences: samples 0010, 0011, 0016, 0021, 0031, 0036, 0066, 0090, 0096 between 200 and 1000 ppm. Samples 0026, 0046, 0056, 0061, 0071, 0076, 0080, 0086 between 1000 and 10000 ppm. Samples 0041, 0051 >10000 ppm. Samples are dried and sifted, % soild determined by SERAS lab.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All / Analyses	[signature]	7/26/11	M Peña	7/26/11	9:45						
All / Log-in Prep.	M. Peña	7/26/11 10:45	[signature]	7/26/11	1045						

USEPA
DateShipped: 7/26/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead/NJ
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-072511-170417-0002
Cooler #: 1
Lab: USEPA Region 2
Lab Phone: 732-321-6707

	Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03434	21	138-071811-0100	FD-1	JWL-Soil-2C	Metals	Soil	7/18/2011	11:10	XRF cup	4 C
AN03435	22	138-071811-0101	Rinsate Blank		Metals	Blank	7/19/2011	15:00	1 L poly	HNO3 pH<2

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC. According to XRF results the samples have the following Pb exceedences: samples 0010, 0011, 0016, 0021, 0031, 0036, 0066, 0090, 0096 between 200 and 1000 ppm. Samples 0026, 0046, 0056, 0061, 0071, 0076, 0080, 0086 between 1000 and 10000 ppm. Samples 0041, 0051 >10000 ppm. Samples are dried and sifted, % soild determined by SERAS lab.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
2/Analyzed	[illegible]	7/26/11	M. Peña	7/26/11	9:45						
All/Login Prom.	M. Peña	7/26/11 10:45	[illegible]	7/26/11	1045						

Report Date: 8/10/2011

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03594	A (1) Metals TAL	( )	8/10/2011	12:00
AN03595	( )	( )	8/10/2011	12:00
AN03596	( )	( )	8/10/2011	12:10
AN03597	( )	( )	8/10/2011	12:10
AN03598	( )	( )	8/10/2011	12:20
AN03599	( )	( )	8/10/2011	12:20
AN03600	( )	( )	8/10/2011	12:35
AN03601	( )	( )	8/10/2011	12:35
AN03602	( )	( )	8/10/2011	12:35
AN03603	( )	( )	8/10/2011	12:35
AN03604	( )	( )	8/10/2011	12:40
AN03605	( )	( )	8/10/2011	12:40
AN03606	( )	( )	8/10/2011	13:00
AN03607	( )	( )	8/10/2011	13:00
AN03608	( )	( )	8/10/2011	13:10
AN03609	( )	( )	8/10/2011	13:10
AN03610	( )	( )	8/10/2011	13:20
AN03611	( )	( )	8/10/2011	13:20
AN03612	( )	( )	8/10/2011	13:30
AN03613	( )	( )	8/10/2011	13:30
AN03614	( )	( )	8/10/2011	13:45
AN03615	( )	( )	8/10/2011	13:45
AN03616	( )	( )	8/10/2011	14:05
AN03617	( )	( )	8/10/2011	14:05
AN03618	( )	( )	8/10/2011	14:15
AN03619	(1)	( )	8/10/2011	14:15

8/11/11 CR

Relinquished by: Gary Finl
Affiliation: ESAT

Received by: R Recto
Affiliation: ESAT
Time (24hr clock): 1715 Date: 8/11/11

Report Date: 8/10/2011

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03620	A 1) Metals TAL	( )	8/10/2011	10:55
AN03621	( )	( )	8/10/2011	11:35
AN03622	( )	( ) 8/11/11 CF	8/10/2011	11:00

Relinquished by: Gary Fiske
Affiliation: ESAT

Received by: R. Rocco
Affiliation: ESAT
Time (24hr clock): 1715 Date: 8/11/11

USEPA
DateShipped: 8/10/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-081011-162548-0005
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03594	138-081011-0002	JWL-KVK4-TOP-UF		TAL Metals	Surface Water	8/10/2011	12:00	1 L poly	HNO3 pH<2
3595	138-081011-0003	JWL-KVK4-TOP-F		TAL Metals	Surface Water	8/10/2011	12:00	1 L poly	HNO3 pH<2
3596	138-081011-0004	JWL-KVK4-MID-UF		TAL Metals	Surface Water	8/10/2011	12:10	1 L poly	HNO3 pH<2
3597	138-081011-0005	JWL-KVK4-MID-F		TAL Metals	Surface Water	8/10/2011	12:10	1 L poly	HNO3 pH<2
3598	138-081011-0006	JWL-KVK4-BOT-UF		TAL Metals	Surface Water	8/10/2011	12:20	1 L poly	HNO3 pH<2
3599	138-081011-0007	JWL-KVK4-BOT-F		TAL Metals	Surface Water	8/10/2011	12:20	1 L poly	HNO3 pH<2
3600	138-081011-0008	JWL-KVK3-TOP-UF		TAL Metals	Surface Water	8/10/2011	12:35	1 L poly	HNO3 pH<2
3601	138-081011-0009	JWL-KVK3-TOP-F		TAL Metals	Surface Water	8/10/2011	12:35	1 L poly	HNO3 pH<2
3602	138-081011-0010	FD-3	JWL-KVK3-TOP-UF	TAL Metals	Surface Water	8/10/2011	12:35	1 L poly	HNO3 pH<2
3603	138-081011-0011	FD-4	JWL-KVK3-TOP-F	TAL Metals	Surface Water	8/10/2011	12:35	1 L poly	HNO3 pH<2
3604	138-081011-0012	JWL-KVK3-MID-UF		TAL Metals	Surface Water	8/10/2011	12:40	1 L poly	HNO3 pH<2

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/analyzed	[signature]	8/10/11	[signature]	8/10/11	1700						
All	[signature]	8/10/11 18:30	[signature]	8/11/11	0800						

USEPA
DateShipped: 8/10/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-081011-162548-0005
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03605	138-081011-0013	JWL-KVK3-MID-F		TAL Metals	Surface Water	8/10/2011	12:40	1 L poly	HNO3 pH<2
3606	138-081011-0014	JWL-KVK3-BOT-UF		TAL Metals	Surface Water	8/10/2011	13:00	1 L poly	HNO3 pH<2
3607	138-081011-0015	JWL-KVK3-BOT-F		TAL Metals	Surface Water	8/10/2011	13:00	1 L poly	HNO3 pH<2
3608	138-081011-0016	JWL-KVK2-TOP-UF		TAL Metals	Surface Water	8/10/2011	13:10	1 L poly	HNO3 pH<2
3609	138-081011-0017	JWL-KVK2-TOP-F		TAL Metals	Surface Water	8/10/2011	13:10	1 L poly	HNO3 pH<2
3610	138-081011-0018	JWL-KVK2-MID-UF		TAL Metals	Surface Water	8/10/2011	13:20	1 L poly	HNO3 pH<2
3611	138-081011-0019	JWL-KVK2-MID-F		TAL Metals	Surface Water	8/10/2011	13:20	1 L poly	HNO3 pH<2
3612	138-081011-0020	JWL-KVK2-BOT-UF		TAL Metals	Surface Water	8/10/2011	13:30	1 L poly	HNO3 pH<2
3613	138-081011-0021	JWL-KVK2-BOT-F		TAL Metals	Surface Water	8/10/2011	13:30	1 L poly	HNO3 pH<2
3614	138-081011-0022	JWL-KVK1-TOP-UF		TAL Metals	Surface Water	8/10/2011	13:45	1 L poly	HNO3 pH<2
3615	138-081011-0023	JWL-KVK1-TOP-F		TAL Metals	Surface Water	8/10/2011	13:45	1 L poly	HNO3 pH<2

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analyses	[illegible]	8/10/11	M Peña	8/10/11	1700						
All	M Peña	8/10/11 1830	[illegible]	8/11/11	0800						

USEPA
DateShipped: 8/10/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-081011-162548-0005
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03616	138-081011-0024	JWL-KVK1-MID-UF		TAL Metals	Surface Water	8/10/2011	14:05	1 L poly	HNO3 pH<2
3617	138-081011-0025	JWL-KVK1-MID-F		TAL Metals	Surface Water	8/10/2011	14:05	1 L poly	HNO3 pH<2
3618	138-081011-0026	JWL-KVK1-BOT-UF		TAL Metals	Surface Water	8/10/2011	14:15	1 L poly	HNO3 pH<2
3619	138-081011-0027	JWL-KVK1-BOT-F		TAL Metals	Surface Water	8/10/2011	14:15	1 L poly	HNO3 pH<2
3620	138-081011-0028	Rinsate Blank 3		TAL Metals	Water	8/10/2011	10:55	1 L poly	HNO3 pH<2
3621	138-081011-0029	Rinsate Blank 4		TAL Metals	Water	8/10/2011	11:35	1 L poly	HNO3 pH<2
3622	138-081011-0030	FB-1		TAL Metals	Water	8/10/2011	11:00	1 L poly	HNO3 pH<2

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
1/ Analysis	[illegible]	8/10/11	M Perez	8/10/11	1700						
All	M Perez	8/10/11 1830	[illegible]	8/11/11	0800						

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03623	A (1) Metals, TAL	( )	8/11/2011	10:00
AN03624	A (1)	( )	8/11/2011	08:55
AN03625	A (1)	( )	8/11/2011	12:45

Relinquished by: [signature]
Affiliation: ESAT

Received by: R Recto
Affiliation: ESAT
Time (24hr clock): 1400 Date: 08/12/11

USEPA
DateShipped: 8/11/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-081111-132306-0006
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03623	138-081011-0001	JWL-Well5Soil		TAL Metals	Soil	8/10/2011	10:00	4 oz. glass	4 C
3624	138-081111-0001	JWL-Well3Soil		TAL Metals	Soil	8/11/2011	08:55	4 oz. glass	4 C
3625	138-081111-0002	JWL-Well4Soil		TAL Metals	Soil	8/11/2011	12:45	4 oz. glass	4 C

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Anal.	[signature]	8/11/11	[signature]	8/11/11	1630						
All	[signature]	8/11/11 17:15	[signature]	8/11/11	1730						

US EPA Region 2
Analysis Request Form

YES

CLP Case/Project #:		**Date Received by RSCC:**		**Date Cancelled:**	

Site Name: Jewett White Lead
City/Town: Staten Island
State: NY

CERCLIS ID: NYD980531545
Op Unit: 01 **Site Spill ID:** A218
Action Code: Removal - RS

Sampling Dates:
Start: 7/11/2011
Finish: 7/29/2011

Arrival Time:
- 0800-1200Hrs
- 1200-1600Hrs
- (●) After 1600 Hrs

EPA Project Manager:
First Name: Kimberly
Last Name: Staiger

Analytical Services Requestor:
First Name: Cheryl
Last Name: Hawkins
Phone #: 7326870487
Organization: ERT

Proposed Shipping Dates:
Start: 7/11/2011
Finish: 7/29/2011

Saturday Delivery? ☐ Yes

EPA Approved QAPP?: ☑ Yes
Date of QAPP Approval: Pending

Oversight/Split Sampling?: ☑ Yes
(e.g. PRP/Fed Facility)

Labs Used:
(PRP/FF)

E-mail for Lab Assignments:
hawkins.cheryla@epa.gov

E-mail for Data:
hawkins.cheryla@epa.gov
staiger.kimberly@epa.gov

Address for Hard Copy:
US EPA ERT MS 211
Edison, NJ 08837

Contaminants of Concern (if known): Lead

Known Hazardous Waste Constituents:

Special Requests & Reporting Requirements (attach if more space required):

Sampling dates dependent on access agreements with multiple property owners. Sample dates could change, but the lab will be informed of any changes ASAP.
The soil samples will be screened by XRF before submission, the lab will be warned of any samples with high concentrations of lead.
Samples will be delivered directly to the lab by the sampling group each evening after collection.
Sediment Pb screening level 31 mg/kg, soil Pb screening level 800 mg/kg, aqueous Pb screening level 50 ug/L
Electronic data deliverables (EDDs) of the validated data are needed for this project. The EDDs should contain the field sample numbers.

J. Bu 6/23/11

FILE

** Shaded area for RSCC use only **

U.S. EPA Region 2
Analysis Request Form

Site Name:		Jewett White Lead				
# of Samples	Conc. Level (see key)	Matrix (see key)	Analyses	Turnaround Time (for validated data)**	SOW # / Method	Lab Assignment
10	Low	SEDIMENT	METALS, TAL (ICP-AES) + Hg	45 VALIDATED	EPA CLP ISM01.2	
55	Low	SEDIMENT	METALS, TAL (ICP-AES)	45 VALIDATED	EPA CLP ISM01.2	
35	Low	SOIL	METALS, TAL (ICP-AES)	45 VALIDATED	EPA CLP ISM01.2	
50	Low	AQUEOUS	METALS, TAL (ICP-AES)	45 VALIDATED	EPA CLP ISM01.2	

** See instruction sheet for explanation of Turnaround Time for validated data.

Accepted by:	[illegible]	Date Accepted:	[illegible]

[illegible] for RSCC use only

Report Date: 8/8/2011

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description		(#Containers)/Analysis Description	Coll Date	Coll Time
AN03572	A (1) Metals TAL		( )	8/2/2011	11:05
AN03573	(1)		( )	8/2/2011	11:15
AN03574	(1)		( )	8/2/2011	11:20
AN03575	(1)	8-8-11	( ) 8-8-11	8/2/2011	10:30
AN03576	(1)		( )	8/2/2011	10:15
AN03577	(1)		( )	8/2/2011	10:20
AN03578	(1)		( )	8/2/2011	09:00
AN03579	(1)		( )	8/2/2011	09:05
AN03580	(1)		( )	8/2/2011	11:05
AN03581	(1)		( )	8/2/2011	14:45

elinquished by: Michelle J. Peña
ffiliation: ESAT

Received by: R. Recto
Affiliation: ESAT
Time (24hr clock): 1300H Date: 8/8/11

USEPA
DateShipped: 8/8/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-080811-091242-0004
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

	Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AINO	3572	138-080211-0005	JWL-Soil-14	E	Metals	Soil	8/2/2011	11:05	XRF cup	4 C
	3573	138-080211-0010	JWL-Soil-15	B	Metals	Soil	8/2/2011	11:15	XRF cup	4 C
	3574	138-080211-0015	JWL-Soil-15	G	Metals	Soil	8/2/2011	11:20	XRF cup	4 C
	3575	138-080211-0020	JWL-Soil-16	D	Metals	Soil	8/2/2011	10:30	XRF cup	4 C
	3576	138-080211-0025	JWL-Soil-17	A	Metals	Soil	8/2/2011	10:15	XRF cup	4 C
	3577	138-080211-0030	JWL-Soil-17	F	Metals	Soil	8/2/2011	10:20	XRF cup	4 C
	3578	138-080211-0035	JWL-Soil-18	C	Metals	Soil	8/2/2011	09:00	XRF cup	4 C
	3579	138-080211-0040	JWL-Soil-18	H	Metals	Soil	8/2/2011	09:05	XRF cup	4 C
	3580	138-080211-0041	FD-2	JWL-Soil-14E	Metals	Soil	8/2/2011	11:05	XRF cup	4 C
	3581	138-080211-0042	Rinsate Blank		Metals	Blank	8/3/2011	14:45	1 L poly	HNO3 pH<2

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC. According to XRF results the samples have the following Pb exceedences: samples 0005, 0020, 0025, and 0041 between 200 and 1000 ppm. Sample 0010 between 1000 and 2000 ppm. Samples are dried and sifted, % soild determined by SERAS lab.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
10/ Analyses	[signature]	8/8/11	[signature]	8/8/11	1055						
All / Sample Login	[signature]	8/8/11	[signature]	8/8/11	1330						

15°C [illegible] delivered

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03414	1 A) TAL Metals (Soil)	( )	7/18/2011	11:10
AN03415	( )	( )	7/18/2011	11:15
AN03416	( )	( )	7/18/2011	11:05
AN03417	( )	( )	7/18/2011	11:00
AN03418	( )	( )	7/18/2011	11:55
AN03419	( )	( )	7/18/2011	12:05
AN03420	( )	( )	7/18/2011	10:25
AN03421	( )	( )	7/18/2011	12:40
AN03422	( )	( )	7/18/2011	12:45
AN03423	( )	( )	7/18/2011	12:50
AN03424	( )	( )	7/18/2011	12:55
AN03425	( )	( )	7/18/2011	10:05
AN03426	( )	( )	7/18/2011	13:10
AN03427	( )	( )	7/18/2011	13:15
AN03428	( )	( )	7/18/2011	13:40
AN03429	( )	( )	7/18/2011	09:45
AN03430	( )	( )	7/18/2011	09:50
AN03431	( )	( )	7/18/2011	14:05
AN03432	( )	( )	7/18/2011	14:10
AN03433	( )	( )	7/18/2011	09:30
AN03434	( )	( )	7/18/2011	11:10
AN03435	(1) TAL Metals (Aq)	( )	7/19/2011	15:00

Relinquished by: Gary Fisch
Affiliation: ESAT

Received by: R Rice
Affiliation: ESAT
Time (24hr clock): 1600 Date: 7/28/11

USEPA
DateShipped: 7/26/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead/NJ
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-072511-170417-0002
Cooler #: 1
Lab: USEPA Region 2
Lab Phone: 732-321-6707

	Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
NO 3414	1	138-071811-0005	JWL-Soil-2	C	Metals	Soil	7/18/2011	11:10	XRF cup	4 C
3415	2	138-071811-0010	JWL-Soil-2	H	Metals	Soil	7/18/2011	11:15	XRF cup	4 C
3416	3	138-071811-0011	JWL-Soil-3	Surface	Metals	Soil	7/18/2011	11:05	XRF cup	4 C
3417	4	138-071811-0016	JWL-Soil-3	E	Metals	Soil	7/18/2011	11:00	XRF cup	4 C
3418	5	138-071811-0021	JWL-Soil-4	B	Metals	Soil	7/18/2011	11:55	XRF cup	4 C
3419	6	138-071811-0026	JWL-Soil-4	G	Metals	Soil	7/18/2011	12:05	XRF cup	4 C
3420	7	138-071811-0031	JWL-Soil-5	D	Metals	Soil	7/18/2011	10:25	XRF cup	4 C
3421	8	138-071811-0036	JWL-Soil-6	A	Metals	Soil	7/18/2011	12:40	XRF cup	4 C
3422	9	138-071811-0041	JWL-Soil-6	F	Metals	Soil	7/18/2011	12:45	XRF cup	4 C
3423	10	138-071811-0046	JWL-Soil-7	C	Metals	Soil	7/18/2011	12:50	XRF cup	4 C
3424	11	138-071811-0051	JWL-Soil-7	H	Metals	Soil	7/18/2011	12:55	XRF cup	4 C
3425	12	138-071811-0056	JWL-Soil-8	E	Metals	Soil	7/18/2011	10:05	XRF cup	4 C
3426	13	138-071811-0061	JWL-Soil-9	B	Metals	Soil	7/18/2011	13:10	XRF cup	4 C
3427	14	138-071811-0066	JWL-Soil-9	G	Metals	Soil	7/18/2011	13:15	XRF cup	4 C
3428	15	138-071811-0071	JWL-Soil-10	D	Metals	Soil	7/18/2011	13:40	XRF cup	4 C
3429	16	138-071811-0076	JWL-Soil-11	A	Metals	Soil	7/18/2011	09:45	XRF cup	4 C
3430	17	138-071811-0080	JWL-Soil-11	E	Metals	Soil	7/18/2011	09:50	XRF cup	4 C
3431	18	138-071811-0086	JWL-Soil-12	C	Metals	Soil	7/18/2011	14:05	XRF cup	4 C
3432	19	138-071811-0090	JWL-Soil-12	G	Metals	Soil	7/18/2011	14:10	XRF cup	4 C
3433	20	138-071811-0096	JWL-Soil-13	E	Metals	Soil	7/18/2011	09:30	XRF cup	4 C

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC. According to XRF results the samples have the following Pb exceedences: samples 0010, 0011, 0016, 0021, 0031, 0036, 0066, 0090, 0096 between 200 and 1000 ppm. Samples 0026, 0046, 0056, 0061, 0071, 0076, 0080, 0086 between 1000 and 10000 ppm. Samples 0041, 0051 >10000 ppm. Samples are dried and sifted, % soild determined by SERAS lab.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All / Analyses	[signature]	7/26/11	M. Peña	7/26/11	9:45						
All / Log-in Prep.	M. Peña	7/26/11 10:45	[signature]	7/26/11	1045						

USEPA
DateShipped: 7/26/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead/NJ
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-072511-170417-0002
Cooler #: 1
Lab: USEPA Region 2
Lab Phone: 732-321-6707

	Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
03434	21	138-071811-0100	FD-1	JWL-Soil-2C	Metals	Soil	7/18/2011	11:10	XRF cup	4 C
03435	22	138-071811-0101	Rinsate Blank		Metals	Blank	7/19/2011	15:00	1 L poly	HNO3 pH<2

(22)

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC. According to XRF results the samples have the following Pb exceedences: samples 0010, 0011, 0016, 0021, 0031, 0036, 0066, 0090, 0096 between 200 and 1000 ppm. Samples 0026, 0046, 0056, 0061, 0071, 0076, 0080, 0086 between 1000 and 10000 ppm. Samples 0041, 0051 >10000 ppm. Samples are dried and sifted, % soild determined by SERAS lab.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
2/Analyzed	[illegible]	7/26/11	M. Peña	7/26/11	9:45						
All/Log in Prom.	M. Peña	7/26/11 10:45	Gary Fisch	7/26/11	1045						

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03572	A (1) Metals TAL	( )	8/2/2011	11:05
AN03573	(1)	( )	8/2/2011	11:15
AN03574	(1)	( )	8/2/2011	11:20
AN03575	(1) MW 8-9-11	( )	8/2/2011	10:30
AN03576	(1)	( )	8/2/2011	10:15
AN03577	(1)	( )	8/2/2011	10:20
AN03578	(1)	( )	8/2/2011	09:00
AN03579	(1)	( )	8/2/2011	09:05
AN03580	(1)	( )	8/2/2011	11:05
AN03581	(1)	( )	8/2/2011	14:45

Relinquished by: Michelle J. Peña
Affiliation: ESAT

Received by: R. Recto
Affiliation: ESAT
Time (24hr clock): 1300H Date: 8/8/11

USEPA
DateShipped: 8/8/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-080811-091242-0004
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
ANO 3572	138-080211-0005	JWL-Soil-14	E	Metals	Soil	8/2/2011	11:05	XRF cup	4 C
3573	138-080211-0010	JWL-Soil-15	B	Metals	Soil	8/2/2011	11:15	XRF cup	4 C
3574	138-080211-0015	JWL-Soil-15	G	Metals	Soil	8/2/2011	11:20	XRF cup	4 C
3575	138-080211-0020	JWL-Soil-16	D	Metals	Soil	8/2/2011	10:30	XRF cup	4 C
3576	138-080211-0025	JWL-Soil-17	A	Metals	Soil	8/2/2011	10:15	XRF cup	4 C
10 3577	138-080211-0030	JWL-Soil-17	F	Metals	Soil	8/2/2011	10:20	XRF cup	4 C
3578	138-080211-0035	JWL-Soil-18	C	Metals	Soil	8/2/2011	09:00	XRF cup	4 C
3579	138-080211-0040	JWL-Soil-18	H	Metals	Soil	8/2/2011	09:05	XRF cup	4 C
3580	138-080211-0041	FD-2	JWL-Soil-14E	Metals	Soil	8/2/2011	11:05	XRF cup	4 C
3581	138-080211-0042	Rinsate Blank		Metals	Blank	8/3/2011	14:45	1 L poly	HNO3 pH<2

(19)

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC. According to XRF results the samples have the following Pb exceedences: samples 0005, 0020, 0025, and 0041 between 200 and 1000 ppm. Sample 0010 between 1000 and 2000 ppm. Samples are dried and sifted, % soild determined by SERAS lab.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
10/Analyses	[signature]	8/8/11	[signature]	8/8/11	1055						
All/Sample Login	[signature]	8/8/11	[signature]	8/8/11	1330						

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U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03594	A (1) Metals TAL	( )	8/10/2011	12:00
AN03595	( )	( )	8/10/2011	12:00
AN03596	( )	( )	8/10/2011	12:10
AN03597	( )	( )	8/10/2011	12:10
AN03598	( )	( )	8/10/2011	12:20
AN03599	( )	( )	8/10/2011	12:20
AN03600	( )	( )	8/10/2011	12:35
AN03601	( )	( )	8/10/2011	12:35
AN03602	( )	( )	8/10/2011	12:35
AN03603	( )	( )	8/10/2011	12:35
AN03604	( )	( )	8/10/2011	12:40
AN03605	( )	( )	8/10/2011	12:40
AN03606	( )	( )	8/10/2011	13:00
AN03607	( )	( )	8/10/2011	13:00
AN03608	( )	( )	8/10/2011	13:10
AN03609	( )	( )	8/10/2011	13:10
AN03610	( )	( )	8/10/2011	13:20
AN03611	( )	( )	8/10/2011	13:20
AN03612	( )	( )	8/10/2011	13:30
AN03613	( )	( )	8/10/2011	13:30
AN03614	( )	( )	8/10/2011	13:45
AN03615	( )	( )	8/10/2011	13:45
AN03616	( )	( )	8/10/2011	14:05
AN03617	( )	( )	8/10/2011	14:05
AN03618	( )	( )	8/10/2011	14:15
AN03619	(✓)	( )	8/10/2011	14:15

Relinquished by: Gary Ferrill
Affiliation: ESAT

Received by: R Recto
Affiliation: ESAT
Time (24hr clock): 1715 Date: 8/11/11

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03620	1 Metals TAL	( )	8/10/2011	10:55
AN03621	( )	( )	8/10/2011	11:35
AN03622	( )	( )	8/10/2011	11:00

Relinquished by: Gary Lesh
Affiliation: ESAT

Received by: R. Rocco
Affiliation: ESAT
Time (24hr clock): 1715 Date: 8/11/11

USEPA
DateShipped: 8/10/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-081011-162548-0005
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03594	138-081011-0002	JWL-KVK4-TOP-UF		TAL Metals	Surface Water	8/10/2011	12:00	1 L poly	HNO3 pH<2
3595	138-081011-0003	JWL-KVK4-TOP-F		TAL Metals	Surface Water	8/10/2011	12:00	1 L poly	HNO3 pH<2
3596	138-081011-0004	JWL-KVK4-MID-UF		TAL Metals	Surface Water	8/10/2011	12:10	1 L poly	HNO3 pH<2
3597	138-081011-0005	JWL-KVK4-MID-F		TAL Metals	Surface Water	8/10/2011	12:10	1 L poly	HNO3 pH<2
3598	138-081011-0006	JWL-KVK4-BOT-UF		TAL Metals	Surface Water	8/10/2011	12:20	1 L poly	HNO3 pH<2
3599	138-081011-0007	JWL-KVK4-BOT-F		TAL Metals	Surface Water	8/10/2011	12:20	1 L poly	HNO3 pH<2
3600	138-081011-0008	JWL-KVK3-TOP-UF		TAL Metals	Surface Water	8/10/2011	12:35	1 L poly	HNO3 pH<2
3601	138-081011-0009	JWL-KVK3-TOP-F		TAL Metals	Surface Water	8/10/2011	12:35	1 L poly	HNO3 pH<2
3602	138-081011-0010	FD-3	JWL-KVK3-TOP-UF	TAL Metals	Surface Water	8/10/2011	12:35	1 L poly	HNO3 pH<2
3603	138-081011-0011	FD-4	JWL-KVK3-TOP-F	TAL Metals	Surface Water	8/10/2011	12:35	1 L poly	HNO3 pH<2
3604	138-081011-0012	JWL-KVK3-MID-UF		TAL Metals	Surface Water	8/10/2011	12:40	1 L poly	HNO3 pH<2

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analyzed	[signature]	8/10/11	[signature]	8/10/11	1700						
All	[signature]	8/10/11 18:30	[signature]	8/11/11	0800						

USEPA
DateShipped: 8/10/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-081011-162548-0005
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03605	138-081011-0013	JWL-KVK3-MID-F		TAL Metals	Surface Water	8/10/2011	12:40	1 L poly	HNO3 pH<2
36606	138-081011-0014	JWL-KVK3-BOT-UF		TAL Metals	Surface Water	8/10/2011	13:00	1 L poly	HNO3 pH<2
36607	138-081011-0015	JWL-KVK3-BOT-F		TAL Metals	Surface Water	8/10/2011	13:00	1 L poly	HNO3 pH<2
36608	138-081011-0016	JWL-KVK2-TOP-UF		TAL Metals	Surface Water	8/10/2011	13:10	1 L poly	HNO3 pH<2
36609	138-081011-0017	JWL-KVK2-TOP-F		TAL Metals	Surface Water	8/10/2011	13:10	1 L poly	HNO3 pH<2
36610	138-081011-0018	JWL-KVK2-MID-UF		TAL Metals	Surface Water	8/10/2011	13:20	1 L poly	HNO3 pH<2
36611	138-081011-0019	JWL-KVK2-MID-F		TAL Metals	Surface Water	8/10/2011	13:20	1 L poly	HNO3 pH<2
36612	138-081011-0020	JWL-KVK2-BOT-UF		TAL Metals	Surface Water	8/10/2011	13:30	1 L poly	HNO3 pH<2
36613	138-081011-0021	JWL-KVK2-BOT-F		TAL Metals	Surface Water	8/10/2011	13:30	1 L poly	HNO3 pH<2
36614	138-081011-0022	JWL-KVK1-TOP-UF		TAL Metals	Surface Water	8/10/2011	13:45	1 L poly	HNO3 pH<2
36615	138-081011-0023	JWL-KVK1-TOP-F		TAL Metals	Surface Water	8/10/2011	13:45	1 L poly	HNO3 pH<2

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Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analyses	[signature]	8/10/11	[signature]	8/10/11	1700						
All	[signature]	8/10/11 1830	[signature]	8/11/11	0800						

USEPA
DateShipped: 8/10/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-081011-162548-0005
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03616	138-081011-0024	JWL-KVK1-MID-UF		TAL Metals	Surface Water	8/10/2011	14:05	1 L poly	HNO3 pH<2
3617	138-081011-0025	JWL-KVK1-MID-F		TAL Metals	Surface Water	8/10/2011	14:05	1 L poly	HNO3 pH<2
3618	138-081011-0026	JWL-KVK1-BOT-UF		TAL Metals	Surface Water	8/10/2011	14:15	1 L poly	HNO3 pH<2
3619	138-081011-0027	JWL-KVK1-BOT-F		TAL Metals	Surface Water	8/10/2011	14:15	1 L poly	HNO3 pH<2
3620	138-081011-0028	Rinsate Blank 3		TAL Metals	Water	8/10/2011	10:55	1 L poly	HNO3 pH<2
3621	138-081011-0029	Rinsate Blank 4		TAL Metals	Water	8/10/2011	11:35	1 L poly	HNO3 pH<2
3622	138-081011-0030	FB-1		TAL Metals	Water	8/10/2011	11:00	1 L poly	HNO3 pH<2

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Ok.

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
7/Analysis	[illegible]	8/10/11	[illegible]	8/10/11	1700						
All	M. Perez	8/10/11 1830	[illegible]	8/11/11	0800						

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03623	A 2 Metals, TAL	( )	8/11/2011	10:00
AN03624	A 2	( )	8/11/2011	08:55
AN03625	A 2	( )	8/11/2011	12:45

Relinquished by: [signature]
Affiliation: ESAT

Received by: R Recto
Affiliation: ESAT
Time (24hr clock): 1400 Date: 08/12/11

USEPA
DateShipped: 8/11/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Cheryl Hawkins
Contact Phone: 732-687-0487

No: 2-081111-132306-0006
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
ANO 3623	138-081011-0001	JWL-Well5Soil		TAL Metals	Soil	8/10/2011	10:00	4 oz. glass	4 C
3624	138-081111-0001	JWL-Well3Soil		TAL Metals	Soil	8/11/2011	08:55	4 oz. glass	4 C
3625	138-081111-0002	JWL-Well4Soil		TAL Metals	Soil	8/11/2011	12:45	4 oz. glass	4 C

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Anal.	[signature]	8/11/11	[signature]	8/11/11	1630						
All	[signature]	8/11/11 17:15	[signature]	8/11/11	1730						

:eport Date: 9/14/2011

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

'roject Number: 11070033

ıurvey Name: JEWETT WHITE LEAD

ıepartment Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
ıN03637	(1) TAL Metals - Dissolved	( )	9/13/2011	11:40
ıN03638	(1) TAL Metals - Total	( )	9/13/2011	11:20
ıN03639	(1) TAL Metals - Dissolved	( )	9/13/2011	11:50
ıN03640	(1) TAL Metals - Total	( )	9/13/2011	11:30
ıN03641	(1) TAL Metals - Dissolved	( )	9/13/2011	10:00
ıN03642	(1) TAL Metals - Total	( )	9/13/2011	09:30
ıN03643	(1) TAL Metals - Dissolved	( )	9/13/2011	09:35
ıN03644	(1) TAL Metals - Total	( )	9/13/2011	09:22
ıN03645	(1) TAL Metals - Dissolved	( )	9/13/2011	15:45
ıN03646	(1) TAL Metals - Total	( )	9/13/2011	15:20
ıN03647	(1) TAL Metals - Dissolved	( )	9/13/2011	15:50
ıN03648	(1) TAL Metals - Total	( )	9/13/2011	15:25
ıN03649	(1) TAL Metals - Dissolved	( )	9/13/2011	17:20
ıN03650	(1) TAL Metals - Total	( )	9/13/2011	16:55
ıN03651	(1) TAL Metals - Dissolved	( )	9/13/2011	17:14
ıN03652	(1) TAL Metals - Total	( )	9/13/2011	17:02
ıN03653	(1) TAL Metals - Total	( )	9/13/2011	09:00
ıN03654	(1) TAL Metals - Total	( )	9/13/2011	12:30
ıN03655	(1) TAL Metals - Total	( )	9/13/2011	09:30
ıN03656	(1) TAL Metals - Dissolved	( )	9/13/2011	10:00
ıN03657	(1) TAL Metals & Hg, % solid	( ) ~~% solid~~	9/13/2011	15:15
ıN03658	(1) TAL Metals, % solid	( )	9/13/2011	15:15
ıN03659	(1) TAL Metals, % solid	( )	9/13/2011	15:15
ıN03660	(1) TAL Metals, % solid	( )	9/13/2011	15:15
ıN03661	(1) TAL Metals, % solid	( )	9/13/2011	15:15
ıN03662	(1) TAL Metals, % solid	( )	9/13/2011	15:15

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ıelinquished by: 9/14/2011
ıffiliation: ESAT

Received by:
Affiliation: ESAT
Time (24hr clock): _____ **Date:** _____

Report Date: 9/14/2011

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03663	(1) TAL Metals, % solid	( )	9/13/2011	15:15
AN03664	(1) TAL Metals, % solid	( )	9/13/2011	15:15
AN03665	(1) TAL Metals, % solid	( )	9/13/2011	15:15
AN03666	(1) TAL Metals, Hg, % solid	( )	9/13/2011	14:00
AN03667	(1) TAL Metals, % solid	( )	9/13/2011	14:00
AN03668	(1)	( )	9/13/2011	14:00
AN03669	(1)	( )	9/13/2011	14:00
AN03670	(1)	( )	9/13/2011	14:00
AN03671	(1)	( )	9/13/2011	14:00
AN03672	(1)	( )	9/13/2011	14:00
AN03673	(1)	( )	9/13/2011	14:00
AN03674	(1)	( )	9/13/2011	14:00
AN03675	(1) TAL Metals, Hg, % solid	( )	9/13/2011	12:50
AN03676	(1) TAL Metals, % solid	( )	9/13/2011	12:50
AN03677	(1)	( )	9/13/2011	12:50
AN03678	(1)	( )	9/13/2011	12:50
AN03679	(1)	( )	9/13/2011	12:50
AN03680	(1)	( )	9/13/2011	12:50
AN03681	(1)	( )	9/13/2011	12:50
AN03682	(1)	( )	9/13/2011	12:50
AN03683	(1)	( )	9/13/2011	12:50
AN03684	(1) TAL Metals, Hg, % solid	( )	9/13/2011	13:30
AN03685	(1) TAL Metals, % solid	( )	9/13/2011	13:30
AN03686	(1)	( )	9/13/2011	13:30
AN03687	(1)	( )	9/13/2011	13:30
AN03688	(1)	( )	9/13/2011	13:30

AM 9/14/11

AM 9/14/11

AM 9/14/11

AM 9/14/11

Relinquished by: Erick McNally 9/14/2011
Affiliation: ESAT

Received by: _____
Affiliation: ESAT
Time (24hr clock): _____ Date: _____

Report Date: 9/14/2011

U.S. Environmental Protection Agency
Region 2 Laboratory

INTERNAL CHAIN OF CUSTODY FORM

Project Number: 11070033

Survey Name: JEWETT WHITE LEAD

Department Area: METE

Sample ID	(#Containers)/Analysis Description	(#Containers)/Analysis Description	Coll Date	Coll Time
AN03689	(1) TAL Metals, % solid	( )	9/13/2011	13:30
AN03690	(1)	( )	9/13/2011	13:30
AN03691	(1)	( )	9/13/2011	13:30
AN03692	(1) EM 9/14/11	( )	9/13/2011	13:30
AN03693	(1) TAL Metals, Hg, % solid	( ) EM 9/14/11	9/13/2011	15:15
AN03694	(1) TAL Metals, % solid	( )	9/13/2011	15:15

Relinquished by: Eric J. McNally 9/14/2011
Affiliation: ESAT

Received by: _____
Affiliation: ESAT
Time (24hr clock): _____ Date: _____

USEPA
DateShipped: 9/14/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Chris Gussman
Contact Phone: 732-321-4200

No: 2-091411-110829-0007
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03637	138-081011-0031	JWL-Well1-HT-F		TAL Metals Dissolved	Ground Water	9/13/2011	11:40	1 L poly	HNO3 pH<2
3638	138-081011-0032	JWL-Well1-HT-UF		TAL Metals Total	Ground Water	9/13/2011	11:20	1 L poly	HNO3 pH<2
3639	138-081011-0033	JWL-Well3-HT-F		TAL Metals Dissolved	Ground Water	9/13/2011	11:50	1 L poly	HNO3 pH<2
3640	138-081011-0034	JWL-Well3-HT-UF		TAL Metals Total	Ground Water	9/13/2011	11:30	1 L poly	HNO3 pH<2
3641	138-081011-0035	JWL-Well4-HT-F		TAL Metals Dissolved	Ground Water	9/13/2011	10:00	1 L poly	HNO3 pH<2
3642	138-081011-0036	JWL-Well4-HT-UF		TAL Metals Total	Ground Water	9/13/2011	9:30	1 L poly	HNO3 pH<2
3643	138-081011-0037	JWL-Well5-HT-F		TAL Metals Dissolved	Ground Water	9/13/2011	9:35	1 L poly	HNO3 pH<2
3644	138-081011-0038	JWL-Well5-HT-UF		TAL Metals Total	Ground Water	9/13/2011	9:22	1 L poly	HNO3 pH<2
3645	138-081011-0039	JWL-Well1-LT-F		TAL Metals Dissolved	Ground Water	9/13/2011	15:45	1 L poly	HNO3 pH<2
3646	138-081011-0040	JWL-Well1-LT-UF		TAL Metals Total	Ground Water	9/13/2011	15:20	1 L poly	HNO3 pH<2
3647	138-081011-0041	JWL-Well3-LT-F		TAL Metals Dissolved	Ground Water	9/13/2011	15:50	1 L poly	HNO3 pH<2

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Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
AN / Analysis	[illegible]	9/14/11	M Perica	9/14/11	12:26						
	M. Perica	9/14/11	[illegible]	9/14/11	1700						

USEPA
DateShipped: 9/14/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Chris Gussman
Contact Phone: 732-321-4200

No: 2-091411-110829-0007
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
AN03648	138-081011-0042	JWL-Well3-LT-UF		TAL Metals Total	Ground Water	9/13/2011	15:25	1 L poly	HNO3 pH<2
3649	138-081011-0043	JWL-Well4-LT-F		TAL Metals Dissolved	Ground Water	9/13/2011	17:20	1 L poly	HNO3 pH<2
3650	138-081011-0044	JWL-Well4-LT-UF		TAL Metals Total	Ground Water	9/13/2011	16:55	1 L poly	HNO3 pH<2
3651	138-081011-0045	JWL-Well5-LT-F		TAL Metals Dissolved	Ground Water	9/13/2011	17:14	1 L poly	HNO3 pH<2
3652	138-081011-0046	JWL-Well5-LT-UF		TAL Metals Total	Ground Water	9/13/2011	17:02	1 L poly	HNO3 pH<2
3653	138-081011-0047	FB-2		TAL Metals	Water	9/13/2011	09:00	1 L poly	HNO3 pH<2
3654	138-081011-0048	Rinsate Blank 5		TAL Metals	Water	9/13/2011	12:30	1 L poly	HNO3 pH<2
3655	138-081011-0050	FD-7	JWL-Well4-HT-UF	TAL Metals Total	Ground Water	9/13/2011	09:30	1 L poly	HNO3 pH<2
3656	138-081011-0051	FD-8	JWL-Well4-HT-F	TAL Metals Dissolved	Ground Water	9/13/2011	10:00	1 L poly	HNO3 pH<2
3657	138-081111-0003	JWL-SED1	A	TAL Metals + Hg	Sediment	9/13/2011	15:15	8 oz. glass	4 C
3658	138-081111-0004	JWL-SED1	B	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C
3659	138-081111-0005	JWL-SED1	C	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C
3660	138-081111-0006	JWL-SED1	D	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C
3661	138-081111-0007	JWL-SED1	E	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C
3662	138-081111-0008	JWL-SED1	F	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C

15

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All / analyses	[signature]	9/14/11	[signature]	9/14/11	12:26						
	[signature]	9/14/11	[signature]	9/14/11	1700						

USEPA
DateShipped: 9/14/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Chris Gussman
Contact Phone: 732-321-4200

No: 2-091411-110829-0007
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

	Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
A.N.O	3663	138-081111-0009	JWL-SED1	G	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C
	3664	138-081111-0010	JWL-SED1	H	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C
	3665	138-081111-0011	JWL-SED1	I	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C
	3666	138-081111-0030	JWL-SED4	A	TAL Metals + Hg	Sediment	9/13/2011	14:00	8 oz. glass	4 C
	3667	138-081111-0031	JWL-SED4	B	TAL Metals	Sediment	9/13/2011	14:00	4 oz. glass	4 C
	3668	138-081111-0032	JWL-SED4	C	TAL Metals	Sediment	9/13/2011	14:00	4 oz. glass	4 C
	3669	138-081111-0033	JWL-SED4	D	TAL Metals	Sediment	9/13/2011	14:00	4 oz. glass	4 C
	3670	138-081111-0034	JWL-SED4	E	TAL Metals	Sediment	9/13/2011	14:00	4 oz. glass	4 C
	3671	138-081111-0035	JWL-SED4	F	TAL Metals	Sediment	9/13/2011	14:00	4 oz. glass	4 C
	3672	138-081111-0036	JWL-SED4	G	TAL Metals	Sediment	9/13/2011	14:00	4 oz. glass	4 C
20	3673	138-081111-0037	JWL-SED4	H	TAL Metals	Sediment	9/13/2011	14:00	4 oz. glass	4 C
	3674	138-081111-0038	JWL-SED4	I	TAL Metals	Sediment	9/13/2011	14:00	4 oz. glass	4 C
	3675	138-081111-0039	JWL-SED5	A	TAL Metals + Hg	Sediment	9/13/2011	12:50	8 oz. glass	4 C
	3676	138-081111-0040	JWL-SED5	B	TAL Metals	Sediment	9/13/2011	12:50	4 oz. glass	4 C
	3677	138-081111-0041	JWL-SED5	C	TAL Metals	Sediment	9/13/2011	12:50	4 oz. glass	4 C
	3678	138-081111-0042	JWL-SED5	D	TAL Metals	Sediment	9/13/2011	12:50	4 oz. glass	4 C
	3679	138-081111-0043	JWL-SED5	E	TAL Metals	Sediment	9/13/2011	12:50	4 oz. glass	4 C
	3680	138-081111-0044	JWL-SED5	F	TAL Metals	Sediment	9/13/2011	12:50	4 oz. glass	4 C
	3681	138-081111-0045	JWL-SED5	G	TAL Metals	Sediment	9/13/2011	12:50	4 oz. glass	4 C
	3682	138-081111-0046	JWL-SED5	H	TAL Metals	Sediment	9/13/2011	12:50	4 oz. glass	4 C

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
A.N / Analysis	[signature]	9/14/11	[signature]	9/14/11	12:26						
	[signature]	9/14/11	[signature]	9/14/11	1700						

USEPA
DateShipped: 9/14/2011
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD
Jewett White Lead
Contact Name: Chris Gussman
Contact Phone: 732-321-4200

No: 2-091411-110829-0007
Cooler #:
Lab: USEPA Region 2
Lab Phone: 732-321-6707

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Collected	Sample Time	Container	Preservative
ANO 31683	138-081111-0047	JWL-SED5	I	TAL Metals	Sediment	9/13/2011	12:50	4 oz. glass	4 C
31684	138-081111-0048	JWL-SED6	A	TAL Metals + Hg	Sediment	9/13/2011	13:30	8 oz. glass	4 C
31685	138-081111-0049	JWL-SED6	B	TAL Metals	Sediment	9/13/2011	13:30	4 oz. glass	4 C
31686	138-081111-0050	JWL-SED6	C	TAL Metals	Sediment	9/13/2011	13:30	4 oz. glass	4 C
31687	138-081111-0051	JWL-SED6	D	TAL Metals	Sediment	9/13/2011	13:30	4 oz. glass	4 C
31688	138-081111-0052	JWL-SED6	E	TAL Metals	Sediment	9/13/2011	13:30	4 oz. glass	4 C
31689	138-081111-0053	JWL-SED6	F	TAL Metals	Sediment	9/13/2011	13:30	4 oz. glass	4 C
31690	138-081111-0054	JWL-SED6	G	TAL Metals	Sediment	9/13/2011	13:30	4 oz. glass	4 C
31691	138-081111-0055	JWL-SED6	H	TAL Metals	Sediment	9/13/2011	13:30	4 oz. glass	4 C
31692	138-081111-0056	JWL-SED6	I	TAL Metals	Sediment	9/13/2011	13:30	4 oz. glass	4 C
31693	138-081111-0057	FD-5	JWL-SED1-A	TAL Metals + Hg	Sediment	9/13/2011	15:15	8 oz. glass	4 C
31694	138-081111-0058	FD-6	JWL-SED1-F	TAL Metals	Sediment	9/13/2011	15:15	4 oz. glass	4 C

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(10)

Special Instructions: Please provide Electronic Data Deliverable of the analytical results containing the sample numbers from the COC.

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/analyses	[signature]	9/14/11	[signature]	9/14/11	12:26						
	[signature]	9/14/11	[signature]	9/14/11	1700						

US EPA Region 2
Analysis Request Form

YES

CLP Case/Project #:		Date Received by RSCC:		Date Cancelled:	

Site Name:	Jewett White Lead
City/Town:	Staten Island
State:	NY

CERCLIS ID:	NYD980531545		
Op Unit:	01	Site Spill ID:	A218
Action Code:	Removal - RS		

Sampling Dates:

Start:	7/11/2011
Finish:	7/29/2011

Arrival Time:
- ○ 0800-1200Hrs
- ○ 1200-1600Hrs
- ◉ After 1600 Hrs

EPA Project Manager:

First Name:	Kimberly
Last Name:	Staiger

Analytical Services Requestor:

First Name:	Cheryl
Last Name:	Hawkins
Phone #:	7326870487
Organization:	ERT

Proposed Shipping Dates:

Start:	7/11/2011
Finish:	7/29/2011

Saturday Delivery? ☐ Yes

EPA Approved QAPP?: ☑ Yes

Date of QAPP Approval: Pending

Oversight/Split Sampling?: ☑ Yes
(e.g. PRP/Fed Facility)

Labs Used:
(PRP/FF)

E-mail for Lab Assignments:
hawkins.cheryla@epa.gov

E-mail for Data:
hawkins.cheryla@epa.gov
staiger.kimberly@epa.gov

Address for Hard Copy:
US EPA ERT MS 211
Edison, NJ 08837

Contaminants of Concern (if known): Lead

Known Hazardous Waste Constituents:

Special Requests & Reporting Requirements (attach if more space required):

Sampling dates dependent on access agreements with multiple property owners. Sample dates could change, but the lab will be informed of any changes ASAP.
The soil samples will be screened by XRF before submission, the lab will be warned of any samples with high concentrations of lead.
Samples will be delivered directly to the lab by the sampling group each evening after collection.
Sediment Pb screening level 31 mg/kg, soil Pb screening level 800 mg/kg, aqueous Pb screening level 50 ug/L
Electronic data deliverables (EDDs) of the validated data are needed for this project. The EDDs should contain the field sample numbers.

J. Bu 6/23/11

FILE

** Shaded area for RSCC use only **

Version 2

June 2008

U.S. EPA Region 2
Analysis Request Form

Site Name:		Jewett White Lead				
# of Samples	Conc. Level (see key)	Matrix (see key)	Analyses	Turnaround Time (for validated data)**	SOW # / Method	Lab Assignment
10	Low	SEDIMENT	METALS, TAL (ICP-AES) + Hg	45 VALIDATED	EPA CLP ISM01.2	
55	Low	SEDIMENT	METALS, TAL (ICP-AES)	45 VALIDATED	EPA CLP ISM01.2	
35	Low	SOIL	METALS, TAL (ICP-AES)	45 VALIDATED	EPA CLP ISM01.2	
50	Low	AQUEOUS	METALS, TAL (ICP-AES)	45 VALIDATED	EPA CLP ISM01.2	

** See instruction sheet for explanation of Turnaround Time for validated data.

Accepted by:	Date Accepted:

June 2008

Version 2

Jewett White percent solids in Lab Works
John Johnson to: Michelle Pena 10/12/2011 03:34 PM
Cc: Roland Recto, Ness Tirol, FangXiang Xu, Yelena Khusid

Michelle please change the percent solids for Project 11070033 to 100% for all samples. We analyzed the dry XRF sample and used 100% solids for the calculation. According to Rolly, Ness had asked that the original % solids provided by the client(prior to drying) be put into LIMs. However this creates a conflict with what was reported and what is in LIMs.