REDACTED

Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15268508.20000
Laboratory:	TestAmerica - Savannah, GA	Job ID.:	680-89038-3
Method:	SW-846 6010C and 7471B	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date Collected:	04/03/13
Reviewer:	Karen Marie Trujillo	Date:	04/26/13
Concurrence[1]:	Nicole Lancaster / Martha Meyers-Lee	Date:	05/02/13

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample preservation requirements met? If pH of aqueous sample >2 and was not adjusted by laboratory prior to analysis, J- flag positive results and R- flag non-detect results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil/sediment samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Have any technical holding times, determined from date of collection to date of analysis, been exceeded? (Hg: ≤28 days, other metals: ≤6 months). If not, then J- flag positive results and R- flag non-detect aqueous results.		✓			
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?		✓		The MDL (0.59 mg/Kg) for arsenic is greater than the Resident Soil RSL (0.39 mg/Kg). A RSL does not exist for total chromium; however, the total chromium MDL (0.5 mg/Kg) is greater than the hexavalent chromium Resident Soil RSL (0.29 mg/Kg).	
8. Were method blank (MB) prepared at the appropriate frequency (one per 20 samples, batch, matrix, and level)?	✓				
9. Was a calibration blank (ICB/CCB) analyzed at the beginning, after every 10th sample, and at the end of each analytical run?	✓				
10. Were target analytes detected in the method and/or calibration blanks?		✓		Target analytes were not detected in the method blanks. Calibration blanks were not evaluated.	

[1] Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
11. Were target analytes reported in equipment/rinsate blanks analyses above the DL?	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which occurs once per week per the client. Rinsate blank 040213-RB-sieve (680-88913-17) was collected during the week of 4/01/13. The rinsate blank was analyzed for metals by EPA Methods 200.7 and 245.1 under this Test America Job ID. The following analytes were detected during the analysis of the rinsate blank: Lead @ 15 µg/L (RL 10, MDL 4.0)	
12. Were contaminants detected in samples below the blank contamination action level? o If blank result > RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and ≤10x blank result , as J+ positive results o If blank result ≤RL, • Flag sample results ≤ RL with a U • Flag positive sample results > RL and <10x blank result , as J+ positive results		✓		An evaluation of the effect of blank contamination on soil sample results was based on method and rinsate blank results, and not calibration blank results. A blank contamination action level (BCAL) of 150 µg/L was developed for lead by multiplying the amount observed in the rinsate blank by a factor of 10. Sample-specific BCALs were developed by taking into account sample preparation factors, dilution factors, and percent solids (refer to **Attachment B).** Qualification of data is not warranted, as all sample results were greater than sample-specific BCALs.	
13. Are there negative laboratory blank results with the absolute value ≤RL? If yes, then flag positive and non-detect sample results that are < 10x absolute blank value as J- and UJ, respectively.		✓			
14. Was a field duplicate analyzed?	✓			• CV0053A-CSD (680-89038-10) is a duplicate of CV0053A-CS (680-89038-9). • CV0053A-CSD (sieve) (680-89038-34) is a duplicate of CV0053A-CS (sieve) (680-89038-33).	
15. Was precision deemed acceptable as defined by the project plans?	✓			Refer to **Attachment C** (Field Duplicate Evaluation)	
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? o 6010C:	✓			• 6010C: 04/09/2013 - 04/11/2013, instrument ICPF. One blank and one standard initially per analytical batch. ICV initially, and CCV	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
• ICAL: Blank and one standard • ICV initially, and CCV every 10th sample and at the end of the analytical run • Lower Limit of Quantitation Check Sample (CRI) to be analyzed after establishing lower laboratory reporting limits and as needed o 7471A: • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run o 7196A: • ICAL: Blank and minimum of five standards • ICV initially, and CCV every 10th sample (15th per Method) and at the end of the analytical run				every 10 samples and at end of run. CRI after initial calibration blank analysis. • 7471B: 04/09/2013, instrument LEEMAN2. 6-Point ICAL per analytical batch. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis.	
17. Were these results within lab/project specifications? o 6010C • ICV/CCV (Criteria: 90-110%R): ▪ If %R <75, then J- flag positive results and R-flag non-detects ▪ If 75-89%R, then J- flag positive results and UJ flag non-detects ▪ If 111-125%R, then J flag positive results ▪ If >125%R, then J+ flag positive results ▪ If >160%R, then R flag positive results • CRI (Method: 70-130%R, Laboratory: 50-150%R; Project: 50-150%R for Sb, Pb, and Tl, and 70-130%R for all other analytes): ▪ If CRI %R <50 (<30% for Sb, Pb, TL), then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69% (30-49% for Sb, Pb, TL), then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180% (>150%, but ≤200% for Sb, Pb, TL), then J+ flag positive results <2x RL ▪ If CRI %R >180% (>200% for Sb, Pb, TL), then R flag positive results o 7471A • ICV/CCV (Criteria: 80-120%R): ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects	✓			Mercury correlation coefficient for ICAL of 04/09/2013 is 0.9999524 (page 226)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
▪ If 65-79%R, then J- flag positive results and UJ flag non-detects ▪ If 121-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results • CRI (Method: Not required, Laboratory: 50-150%R, Project: 70-130%R): ▪ If CRI %R <50, then R flag results ≤ 2x RL and J flag positive results >2x RL ▪ If CRI %R 50-69%, then J- and UJ flag positive results <2x RL and ND, respectively ▪ If CRI %R >130% and ≤180%, then J+ flag positive results <2x RL ▪ If CRI %R >180%, then R flag positive result o 7196A: • ICV/CCV (Criteria: 90-110%R): ▪ If correlation coefficients <0.995, then J and UJ flag positive and non-detect results. ▪ If %R <65, then J- flag positive results and R-flag non-detects ▪ If 65-90%R, then J- flag positive results and UJ flag non-detects ▪ If 110-135%R, then J flag positive results ▪ If >135%R, then J+ flag positive results ▪ If >170%R, then R flag positive results					
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				
19. Are ICS recoveries within 80-120% of the true value? If not, qualify data as follows when native Al, Fe, Ca, and Mg sample concentrations are equal to or greater than the ICS spiking level: o If >120%R (or >true value plus 2x CRQL), J+ flag positive results o If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects o If <50%R, J- flag positive results and R-flag non-detects	✓				
20. Was a LCS analyzed for each preparation batch (one per 20 samples per matrix and level)?	✓				
21. Did LCS recoveries meet method/laboratory/project (80-120%R) specifications? o Soil: • LCS result > Upper control limit (UCL): J+ flag positive results	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
• LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects ○ Aqueous: • If <50%R, then J- and R flag positive and ND results, respectively • If 50-LCL%R, J- and UJ flag positive and ND results, respectively • >UCL: J+ Flag positive results • >150%R: R Flag results					
22. Was the RPD between LCS and LCSD results within method/laboratory /project control limits (≤20%RPD)? If not, J and UJ flag positive and non-detect results, respectively			✓	LCS only	
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓				
24. Is the MS and MSD parent sample a project-specific sample?	✓			• 6010C, Prep Batch 272098: 680-89038-6 (CV1311B-CS-SP), MS/MSD • 7471B, Prep Batch 272221: 680-89038-6 (CV1311B-CS-SP), MS/MSD	
25. Was a post-digestion spike (PDS) analysis conducted when MS and/or MSD results did not meet control limits (Note: PDS is not required for silver)?	✓			6010C: 680-89038-6 (CV1311B-CS-SP)	
26. For all analytes with sample concentration < 4 x spike concentration, are spike recoveries within method (6010C: 75-125%R MS/MSD and 80-120%R PDS; 7471B: 80-120%R MS/MSD and PDS not required), laboratory (MS, MSD, and PDS: 75-125%R), and project (as noted below) specifications? *Only QC results for project samples that are reported under this Job ID are evaluated.* If not, ○ 6010C: • If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively • If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results • If MS and MSD %R 30-74 and PDS%R ≥75, then J flag		✓		CV1311B-CS-SP (680-89038-6): • 6010: ○ Arsenic @ 155 and 136 %R (75-125); J Flag sample result. PDS recovery (101%) fell within control limits (75-125). ○ Barium @ 625 and 20 %R (75-125). Qualification of the data is not necessary[2]. PDS recovery (96%) fell within control limits (75-125). ○ Chromium @ 136 and 173 %R (75-125); J flag sample result. PDS recovery (97%) fell within control limits (75-125). ○ Lead @ 1187 and 388 %R (75-125). Qualification of the data is not necessary[2]. ○ Silver @ 31 and 28 %R (75-125). J Flag	J

[2] The native sample concentration is greater than 4x the MS/MSD spiking level. In addition, the native lead sample concentration is greater than 4x the PDS spiking level.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
positive and UJ flag non-detect results • If MS, MSD, and PDS %R >125, J+ flag positive results • If MS and MSD %R >125 and PDS %R ≤125, then J flag positive results • If MS and MSD %R <30 and no PDS, then J- flag positive and R-flag non-detect results • If MS and MSD %R 30-74 and no PDS, then J- and UJ flag positive and non-detect results, respectively • If MS and MSD %R >125 and no PDS, then J+ flag positive results o 7471B: • If MS %R <30, then J- and R Flag positive and ND results, respectively • If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results • If MS and MSD %R >125, then J+ flag positive results				sample result. PDS recovery (99%) fell within control limits (75-125). • 7471B: Mercury @ 98 and 65%R (80-120). Qualification of the data is not necessary[3].	
27. Were laboratory/project (≤20%RPD) criteria met for precision during the MS and MSD analysis? *Only QC results for project samples that are reported under this Job ID are evaluated.* o If RPD >20%, J and UJ flag positive and non-detect results.		✓		CV1311B-CS-SP (680-89038-6): Barium @21%RPD (≤20). Qualification of the data is not necessary[2].	
28. Was a serial dilution conducted for 6010C?	✓			6010C: 680-89038-6 (CV1311B-CS-SP)	
29. Is the serial dilution parent sample a project-specific sample?	✓				
30. Is the percent difference between the serially diluted result and undiluted result less 10% (for those analytes with native concentrations greater than 50x the DL)? *Only QC results for project samples that are reported under this Job ID are evaluated.* o If %D >10, J and UJ flag positive and non-detect results, respectively.	✓				
31. Was a laboratory duplicate analyzed?		✓			
32. Was the lab duplicate analysis conducted on a project-specific sample?			✓		
33. Were criteria for laboratory/project precision met? *Only QC results for project samples that are reported under this Job ID are evaluated.* o If RPD values >20% (35% for soil/sediment) or absolute			✓		

[3] The recovery of either the MS or MSD met control limits.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
difference > RL (2x RL for soil/sediment), then J and UJ flag positive and non-detect results, respectively					
34. Were lab comments included in report? If yes, summarize contents or attach a copy of the narrative.	✓			Refer to **Attachment D** (Case Narrative)	

Comments: The data validation was conducted in accordance with the *Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1* (OTIE, October 2012). The data review process was modeled after the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review* (EPA 540-R-04-004, October 2004). Sample results have been qualified based on the results of the data review process (**Attachment E**). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment

DV Flag Definitions:

J- The result is an estimated quantity, but the result may be biased low.

J The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ The result is an estimated quantity, but the result may be biased high.

R The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.

UJ The analyte was analyzed for, but was not detected. The reported limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A

SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89038-6	CV1311B-CS-SP	Solid	04/03/13 10:35	04/05/13 11:23
680-89038-9	CV0053A-CS	Solid	04/03/13 09:10	04/05/13 11:23
680-89038-10	CV0053A-CSD	Solid	04/03/13 09:15	04/05/13 11:23
680-89038-30	CV1251B-CS	Solid	04/03/13 13:50	04/05/13 11:23
680-89038-33	CV0053A-CS (sieve)	Solid	04/03/13 09:10	04/05/13 11:23
680-89038-34	CV0053A-CSD (sieve)	Solid	04/03/13 09:15	04/05/13 11:23
680-89038-35	CV1311B-CS-SP (sieve)	Solid	04/03/13 10:35	04/05/13 11:23
680-89038-36	CV1251B-CS (sieve)	Solid	04/03/13 13:50	04/05/13 11:23

ATTACHMENT B

BLANK CONTAMINATION EVALUATION

Sample-Specific Blank Contamination Action Levels

Attachment B

6010C:				Sample ID:	CV1311B-CS-SP	CV0053A-CS	CV0053A-CSD	CV1251B-CS	CV0053A-CS (sieved)	CV0053A-CSD (sieved)	CV1311B-CS-SP (sieved)	CV1251B-CS (sieved)
				Lab Sample ID:	680-89038-6	680-89038-9	680-89038-10	680-89038-30	680-89038-33	680-89038-34	680-89038-35	680-89038-36
				%S:	59.9	59.6	69.7	59.7	80	80	78.9	72.7
				DF:	1	1	1	1	1	1	1	1
				Wt, g:	1.03	1.17	1.08	1.16	1.08	1.04	1.05	1.18
		Blank Results, µg/L	Maximum Amount Detected[1], µg/L	Vol , ml:	100	100	100	100	100	100	100	100
Analyte	RL, µg/L	112712-RB-Sieves		Action Level[2], µg/L	Sample-Specific Blank Contamination Action Levels, mg/Kg							
Lead (Pb)	10	15	15	150	24	22	20	22	17	18	18	17
				Reported Sample Result, mg/Kg:	430	300	270	410	240	240	390	340
				Reporting Limit, mg/Kg:	1.6	1.4	1.3	1.4	1.2	1.2	1.2	1.2
				Blank Contamination Action:	None[3]	None[3]	None[3]	None[3]	None[3]	None[3]	None[3]	None[3]

Rinsate blank results reported in micrograms per liter (µg/L). Laboratory blank results and sample-specific blank contamination action levels reported in milligrams per kilogram (mg/Kg).

[1] Maximum amount detected in among all blanks

[2] Maximum amount detected in blanks multiplied by a factor of 10

[3] Qualification of data is not warranted, because the sample concentration is greater than the sample-specific BCAL

Blank Contamination Actions:

- If blank result > RL,
  - Flag sample results ≤ RL with a U
  - Flag positive sample results > RL and ≤10x blank result , as J+ positive results
- If blank result ≤RL,
  - Flag sample results ≤ RL with a U
  - Flag positive sample results > RL and ≤10x blank result , as J+ positive results

ATTACHMENT C

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results **Attachment C**

Analyte	CV0053A-CS 680-89038-9		RL	CV0053A-CSD 680-89038-10		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Arsenic	33		2.9	27		2.7	mg/Kg	14	20	NA	NA	None, RPD ≤ 50%
Barium	300		1.4	280		1.3	mg/Kg	6.75	7	NA	NA	None, RPD ≤ 50%
Cadmium	1.9		0.72	1.8		0.66	mg/Kg	3.45	NA	0.1	1.38	None, absolute difference ≤ 2x Avg RL
Chromium	89		1.4	74		1.3	mg/Kg	6.75	18	NA	NA	None, RPD ≤ 50%
Lead	300		1.4	270		1.3	mg/Kg	6.75	11	NA	NA	None, RPD ≤ 50%
Mercury	0.31		0.029	0.32		0.028	mg/Kg	0.1425	3	NA	NA	None, RPD ≤ 50%
Selenium			3.6	3.0	J	3.3	mg/Kg	17.25	NA	3	6.9	None, absolute difference ≤ 2x Avg RL

Note: If the analyte was not detected, then the cell was left blank.

mg/kg - Milligrams per kilogram
J - Estimated value
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference
UJ - Not detected and the limit is estimated

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

Evaluation of Field Duplicate Results **Attachment C**

Analyte	CV0053A-CS (sieve) 680-89038-33		RL	CV0053A-CSD (sieve) 680-89038-34		RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Arsenic	23		2.3	29		2.4	mg/Kg	11.75	23	NA	NA	None, RPD ≤ 50%
Barium	250		1.2	300		1.2	mg/Kg	6	18	NA	NA	None, RPD ≤ 50%
Cadmium	1.5		0.58	1.5		0.60	mg/Kg	2.95	NA	0	1.18	None, absolute difference ≤ 2x Avg RL
Chromium	58		1.2	74		1.2	mg/Kg	6	24	NA	NA	None, RPD ≤ 50%
Lead	240		1.2	240		1.2	mg/Kg	6	0	NA	NA	None, RPD ≤ 50%
Mercury	0.27		0.024	0.25		0.024	mg/Kg	0.12	8	NA	NA	None, RPD ≤ 50%
Selenium	2.1	J	2.9			3.0	mg/Kg	14.75	NA	2.1	5.9	None, absolute difference ≤ 2x Avg RL

Note: If the analyte was not detected, then the cell was left blank.

mg/kg - Milligrams per kilogram
J - Estimated value
NA - Not applicable
RL - Reporting limit
RPD - Relative percent difference
UJ - Not detected and the limit is estimated

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

ATTACHMENT D

CASE NARRATIVE

Job ID: 680-89038-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89038-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

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

RECEIPT

The samples were received on 04/05/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

METALS (ICP)

Samples CV1311B-CS-SP (680-89038-6), CV0053A-CS (680-89038-9), CV0053A-CSD (680-89038-10), CV1251B-CS (680-89038-30), CV0053A-CS (sieve) (680-89038-33), CV0053A-CSD (sieve) (680-89038-34), CV1311B-CS-SP (sieve) (680-89038-35) and CV1251B-CS (sieve) (680-89038-36) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/05/2013 and analyzed on 04/10/2013.

Sample CV1251B-CS (680-89038-30)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1311B-CS-SP (680-89038-6) in batch 680-272554. Also, Barium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1311B-CS-SP (680-89038-6), CV0053A-CS (680-89038-9), CV0053A-CSD (680-89038-10), CV1251B-CS (680-89038-30), CV0053A-CS (sieve) (680-89038-33), CV0053A-CSD (sieve) (680-89038-34), CV1311B-CS-SP (sieve) (680-89038-35) and CV1251B-CS (sieve) (680-89038-36) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/08/2013 and analyzed on 04/09/2013.

Mercury recovered outside the recovery criteria low for the MSD of sample CV1311B-CS-SPMSD (680-89038-6) in batch 680-272484.

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

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

Job ID: 680-89038-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

ATTACHMENT E

QUALIFIED SAMPLE RESULTS

Client Sample ID: CV1311B-CS-SP

Lab Sample ID: 680-89038-6
Date Collected: 04/03/13 10:35
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	40	J	3.2	0.96	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Barium	430		1.6	0.49	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Cadmium	3.2		0.81	0.16	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Chromium	55	J	1.6	0.81	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Lead	430		1.6	0.86	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Selenium	4.1	U	4.1	1.6	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Silver	2.6	J	1.6	0.16	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.63		0.028	0.012	mg/Kg	☼	04/08/13 10:12	04/09/13 13:33	1

Client Sample ID: CV0053A-CS

Lab Sample ID: 680-89038-9
Date Collected: 04/03/13 09:10
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	33		2.9	0.85	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Barium	300		1.4	0.43	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Cadmium	1.9		0.72	0.14	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Chromium	89		1.4	0.72	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Lead	300		1.4	0.76	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Selenium	3.6	U	3.6	1.4	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Silver	1.4	U	1.4	0.14	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31		0.029	0.012	mg/Kg	☼	04/08/13 10:12	04/09/13 13:41	1

Client Sample ID: CV0053A-CSD

Lab Sample ID: 680-89038-10
Date Collected: 04/03/13 09:15
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 69.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	27		2.7	0.78	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Barium	280		1.3	0.40	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Cadmium	1.8		0.66	0.13	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Chromium	74		1.3	0.66	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Lead	270		1.3	0.70	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Selenium	3.0	J	3.3	1.3	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Silver	1.3	U	1.3	0.13	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32		0.028	0.011	mg/Kg	☼	04/08/13 10:12	04/09/13 13:43	1

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Client Sample ID: CV1251B-CS

Lab Sample ID: 680-89038-30
Date Collected: 04/03/13 13:50
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	41		2.9	0.85	mg/Kg	☼	04/05/13 15:15	04/10/13 01:10	1
Barium	870		1.4	0.43	mg/Kg	☼	04/05/13 15:15	04/10/13 01:10	1
Cadmium	2.5		0.72	0.14	mg/Kg	☼	04/05/13 15:15	04/10/13 01:10	1
Chromium	100		7.2	3.6	mg/Kg	☼	04/05/13 15:15	04/10/13 18:49	5
Lead	410		1.4	0.77	mg/Kg	☼	04/05/13 15:15	04/10/13 01:10	1
Selenium	18	U	18	7.2	mg/Kg	☼	04/05/13 15:15	04/10/13 18:49	5
Silver	7.2	U	7.2	0.69	mg/Kg	☼	04/05/13 15:15	04/10/13 18:49	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50		0.032	0.013	mg/Kg	☼	04/08/13 10:12	04/09/13 13:46	1

Client Sample ID: CV0053A-CS (sieve)

Lab Sample ID: 680-89038-33
Date Collected: 04/03/13 09:10
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 80.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		2.3	0.68	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Barium	250		1.2	0.35	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Cadmium	1.5		0.58	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Chromium	58		1.2	0.58	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Lead	240		1.2	0.61	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Selenium	2.1	J	2.9	1.2	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.024	0.0099	mg/Kg	☼	04/08/13 10:12	04/09/13 13:48	1

Client Sample ID: CV0053A-CSD (sieve)

Lab Sample ID: 680-89038-34
Date Collected: 04/03/13 09:15
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 80.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	29		2.4	0.71	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Barium	300		1.2	0.36	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Cadmium	1.5		0.60	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Chromium	74		1.2	0.60	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Lead	240		1.2	0.64	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Silver	1.2	U	1.2	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.024	0.0099	mg/Kg	☼	04/08/13 10:12	04/09/13 13:51	1

Client Sample ID: CV1311B-CS-SP (sieve)

Lab Sample ID: 680-89038-35
Date Collected: 04/03/13 10:35
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 78.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	46		2.4	0.71	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Barium	370		1.2	0.36	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Cadmium	2.9		0.60	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Chromium	47		1.2	0.60	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Lead	390		1.2	0.64	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Silver	2.5		1.2	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.023	0.0096	mg/Kg	☼	04/08/13 10:12	04/09/13 13:53	1

Client Sample ID: CV1251B-CS (sieve)

Lab Sample ID: 680-89038-36
Date Collected: 04/03/13 13:50
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 72.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	32		2.3	0.69	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Barium	520		1.2	0.35	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Cadmium	2.2		0.58	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Chromium	81		1.2	0.58	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Lead	340		1.2	0.62	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Silver	0.25	J	1.2	0.11	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.45		0.025	0.010	mg/Kg	☼	04/08/13 10:12	04/09/13 14:00	1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-89038-3

Job Description: 35th Avenue Superfund Site

For:
Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, GA 30060

Attention: Ms. Limari F Krebs

Approved for release.
Bernard Kirkland
Project Manager I
4/17/2013 6:29 PM

Designee for
Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com
04/17/2013

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TestAmerica Laboratories, Inc.
TestAmerica Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 352-0165 www.testamericainc.com

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89038-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

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

RECEIPT

The samples were received on 04/05/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

METALS (ICP)

Samples CV1311B-CS-SP (680-89038-6), CV0053A-CS (680-89038-9), CV0053A-CSD (680-89038-10), CV1251B-CS (680-89038-30), CV0053A-CS (sieve) (680-89038-33), CV0053A-CSD (sieve) (680-89038-34), CV1311B-CS-SP (sieve) (680-89038-35) and CV1251B-CS (sieve) (680-89038-36) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/05/2013 and analyzed on 04/10/2013.

Sample CV1251B-CS (680-89038-30)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1311B-CS-SP (680-89038-6) in batch 680-272554. Also, Barium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1311B-CS-SP (680-89038-6), CV0053A-CS (680-89038-9), CV0053A-CSD (680-89038-10), CV1251B-CS (680-89038-30), CV0053A-CS (sieve) (680-89038-33), CV0053A-CSD (sieve) (680-89038-34), CV1311B-CS-SP (sieve) (680-89038-35) and CV1251B-CS (sieve) (680-89038-36) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/08/2013 and analyzed on 04/09/2013.

Mercury recovered outside the recovery criteria low for the MSD of sample CV1311B-CS-SPMSD (680-89038-6) in batch 680-272484.

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

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-89038-6	CV1311B-CS-SP	Solid	04/03/2013 1035	04/05/2013 1123
680-89038-6MS	CV1311B-CS-SP	Solid	04/03/2013 1035	04/05/2013 1123
680-89038-6MSD	CV1311B-CS-SP	Solid	04/03/2013 1035	04/05/2013 1123
680-89038-9	CV0053A-CS	Solid	04/03/2013 0910	04/05/2013 1123
680-89038-10	CV0053A-CSD	Solid	04/03/2013 0915	04/05/2013 1123
680-89038-30	CV1251B-CS	Solid	04/03/2013 1350	04/05/2013 1123
680-89038-33	CV0053A-CS (sieve)	Solid	04/03/2013 0910	04/05/2013 1123
680-89038-34	CV0053A-CSD (sieve)	Solid	04/03/2013 0915	04/05/2013 1123
680-89038-35	CV1311B-CS-SP (sieve)	Solid	04/03/2013 1035	04/05/2013 1123
680-89038-36	CV1251B-CS (sieve)	Solid	04/03/2013 1350	04/05/2013 1123

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-3

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Percent Moisture	TAL SAV	EPA Moisture	
Percent Moisture	TAL TAM	EPA Moisture	

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-3

Method	Analyst	Analyst ID
SW846 6010C	Bland, Brian	BCB
SW846 7471B	Bland, Brian	BCB
EPA Moisture	Galio, Andrew	AG
EPA Moisture	Swafford, Frances	FS

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC Job Number: 680-89038-3

Lab Section	Qualifier	Description
Metals		
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-272098					
LCS 680-272098/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-272098/1-A	Method Blank	T	Solid	3050B	
680-89038-6	CV1311B-CS-SP	T	Solid	3050B	
680-89038-6MS	Matrix Spike	T	Solid	3050B	
680-89038-6MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-89038-9	CV0053A-CS	T	Solid	3050B	
680-89038-10	CV0053A-CSD	T	Solid	3050B	
680-89038-30	CV1251B-CS	T	Solid	3050B	
680-89038-33	CV0053A-CS (sieve)	T	Solid	3050B	
680-89038-34	CV0053A-CSD (sieve)	T	Solid	3050B	
680-89038-35	CV1311B-CS-SP (sieve)	T	Solid	3050B	
680-89038-36	CV1251B-CS (sieve)	T	Solid	3050B	
Prep Batch: 680-272221					
LCS 680-272221/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-272221/1-A	Method Blank	T	Solid	7471B	
680-89038-6	CV1311B-CS-SP	T	Solid	7471B	
680-89038-6MS	Matrix Spike	T	Solid	7471B	
680-89038-6MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-89038-9	CV0053A-CS	T	Solid	7471B	
680-89038-10	CV0053A-CSD	T	Solid	7471B	
680-89038-30	CV1251B-CS	T	Solid	7471B	
680-89038-33	CV0053A-CS (sieve)	T	Solid	7471B	
680-89038-34	CV0053A-CSD (sieve)	T	Solid	7471B	
680-89038-35	CV1311B-CS-SP (sieve)	T	Solid	7471B	
680-89038-36	CV1251B-CS (sieve)	T	Solid	7471B	
Analysis Batch:680-272484					
LCS 680-272221/2-A	Lab Control Sample	T	Solid	7471B	680-272221
MB 680-272221/1-A	Method Blank	T	Solid	7471B	680-272221
680-89038-6	CV1311B-CS-SP	T	Solid	7471B	680-272221
680-89038-6MS	Matrix Spike	T	Solid	7471B	680-272221
680-89038-6MSD	Matrix Spike Duplicate	T	Solid	7471B	680-272221
680-89038-9	CV0053A-CS	T	Solid	7471B	680-272221
680-89038-10	CV0053A-CSD	T	Solid	7471B	680-272221
680-89038-30	CV1251B-CS	T	Solid	7471B	680-272221
680-89038-33	CV0053A-CS (sieve)	T	Solid	7471B	680-272221
680-89038-34	CV0053A-CSD (sieve)	T	Solid	7471B	680-272221
680-89038-35	CV1311B-CS-SP (sieve)	T	Solid	7471B	680-272221
680-89038-36	CV1251B-CS (sieve)	T	Solid	7471B	680-272221

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-272554					
LCS 680-272098/3-A	Lab Control Sample	T	Solid	6010C	680-272098
MB 680-272098/1-A	Method Blank	T	Solid	6010C	680-272098
680-89038-6	CV1311B-CS-SP	T	Solid	6010C	680-272098
680-89038-6MS	Matrix Spike	T	Solid	6010C	680-272098
680-89038-6MSD	Matrix Spike Duplicate	T	Solid	6010C	680-272098
680-89038-9	CV0053A-CS	T	Solid	6010C	680-272098
680-89038-10	CV0053A-CSD	T	Solid	6010C	680-272098
680-89038-30	CV1251B-CS	T	Solid	6010C	680-272098
680-89038-33	CV0053A-CS (sieve)	T	Solid	6010C	680-272098
680-89038-34	CV0053A-CSD (sieve)	T	Solid	6010C	680-272098
680-89038-35	CV1311B-CS-SP (sieve)	T	Solid	6010C	680-272098
680-89038-36	CV1251B-CS (sieve)	T	Solid	6010C	680-272098
Analysis Batch:680-272682					
680-89038-30	CV1251B-CS	T	Solid	6010C	680-272098

Report Basis
T = Total

General Chemistry					
Analysis Batch:660-136226					
680-89038-6	CV1311B-CS-SP	T	Solid	Moisture	
680-89038-6MS	Matrix Spike	T	Solid	Moisture	
680-89038-6MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-89038-9	CV0053A-CS	T	Solid	Moisture	
680-89038-10	CV0053A-CSD	T	Solid	Moisture	
680-89038-A-21 MS	Matrix Spike	T	Solid	Moisture	
680-89038-A-21 MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-89038-30	CV1251B-CS	T	Solid	Moisture	
Analysis Batch:680-272365					
680-89038-33	CV0053A-CS (sieve)	T	Solid	Moisture	
680-89038-34	CV0053A-CSD (sieve)	T	Solid	Moisture	
680-89038-35	CV1311B-CS-SP (sieve)	T	Solid	Moisture	
680-89038-36	CV1251B-CS (sieve)	T	Solid	Moisture	

Report Basis
T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89038-3

SDG No.:

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV1311B-CS-SP	680-89038-6
CV0053A-CS	680-89038-9
CV0053A-CSD	680-89038-10
CV1251B-CS	680-89038-30
CV0053A-CS (sieve)	680-89038-33
CV0053A-CSD (sieve)	680-89038-34
CV1311B-CS-SP (sieve)	680-89038-35
CV1251B-CS (sieve)	680-89038-36

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1311B-CS-SP
Lab Sample ID: 680-89038-6
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG ID.:
Matrix: Solid
Date Sampled: 04/03/2013 10:35
Reporting Basis: DRY
Date Received: 04/05/2013 11:23
% Solids: 59.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	40	3.2	0.96	mg/Kg			1	6010C
7440-39-3	Barium	430	1.6	0.49	mg/Kg			1	6010C
7440-43-9	Cadmium	3.2	0.81	0.16	mg/Kg			1	6010C
7440-47-3	Chromium	55	1.6	0.81	mg/Kg			1	6010C
7439-92-1	Lead	430	1.6	0.86	mg/Kg			1	6010C
7782-49-2	Selenium	4.1	4.1	1.6	mg/Kg	U		1	6010C
7440-22-4	Silver	2.6	1.6	0.16	mg/Kg			1	6010C
7439-97-6	Mercury	0.63	0.028	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0053A-CS
Lab Sample ID: 680-89038-9
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG ID.:
Matrix: Solid
Date Sampled: 04/03/2013 09:10
Reporting Basis: DRY
Date Received: 04/05/2013 11:23
% Solids: 59.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	33	2.9	0.85	mg/Kg			1	6010C
7440-39-3	Barium	300	1.4	0.43	mg/Kg			1	6010C
7440-43-9	Cadmium	1.9	0.72	0.14	mg/Kg			1	6010C
7440-47-3	Chromium	89	1.4	0.72	mg/Kg			1	6010C
7439-92-1	Lead	300	1.4	0.76	mg/Kg			1	6010C
7782-49-2	Selenium	3.6	3.6	1.4	mg/Kg	U		1	6010C
7440-22-4	Silver	1.4	1.4	0.14	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.31	0.029	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0053A-CSD
Lab Sample ID: 680-89038-10
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG ID.:
Matrix: Solid
Date Sampled: 04/03/2013 09:15
Reporting Basis: DRY
Date Received: 04/05/2013 11:23
% Solids: 69.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	27	2.7	0.78	mg/Kg			1	6010C
7440-39-3	Barium	280	1.3	0.40	mg/Kg			1	6010C
7440-43-9	Cadmium	1.8	0.66	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	74	1.3	0.66	mg/Kg			1	6010C
7439-92-1	Lead	270	1.3	0.70	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.3	1.3	mg/Kg	J		1	6010C
7440-22-4	Silver	1.3	1.3	0.13	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.32	0.028	0.011	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1251B-CS
Lab Sample ID: 680-89038-30
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG ID.:
Matrix: Solid
Date Sampled: 04/03/2013 13:50
Reporting Basis: DRY
Date Received: 04/05/2013 11:23
% Solids: 59.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	41	2.9	0.85	mg/Kg			1	6010C
7440-39-3	Barium	870	1.4	0.43	mg/Kg			1	6010C
7440-43-9	Cadmium	2.5	0.72	0.14	mg/Kg			1	6010C
7440-47-3	Chromium	100	7.2	3.6	mg/Kg			5	6010C
7439-92-1	Lead	410	1.4	0.77	mg/Kg			1	6010C
7782-49-2	Selenium	18	18	7.2	mg/Kg	U		5	6010C
7440-22-4	Silver	7.2	7.2	0.69	mg/Kg	U		5	6010C
7439-97-6	Mercury	0.50	0.032	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0053A-CS (sieve)
Lab Sample ID: 680-89038-33
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG ID.:
Matrix: Solid
Date Sampled: 04/03/2013 09:10
Reporting Basis: DRY
Date Received: 04/05/2013 11:23
% Solids: 80.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	23	2.3	0.68	mg/Kg			1	6010C
7440-39-3	Barium	250	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	1.5	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	58	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	240	1.2	0.61	mg/Kg			1	6010C
7782-49-2	Selenium	2.1	2.9	1.2	mg/Kg	J		1	6010C
7440-22-4	Silver	1.2	1.2	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.27	0.024	0.0099	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0053A-CSD (sieve)
Lab Sample ID: 680-89038-34
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG ID.:
Matrix: Solid
Date Sampled: 04/03/2013 09:15
Reporting Basis: DRY
Date Received: 04/05/2013 11:23
% Solids: 80.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	29	2.4	0.71	mg/Kg			1	6010C
7440-39-3	Barium	300	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	1.5	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	74	1.2	0.60	mg/Kg			1	6010C
7439-92-1	Lead	240	1.2	0.64	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.0	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	1.2	1.2	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.25	0.024	0.0099	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1311B-CS-SP (sieve)
Lab Sample ID: 680-89038-35
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG ID.:
Matrix: Solid
Date Sampled: 04/03/2013 10:35
Reporting Basis: DRY
Date Received: 04/05/2013 11:23
% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	46	2.4	0.71	mg/Kg			1	6010C
7440-39-3	Barium	370	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	2.9	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	47	1.2	0.60	mg/Kg			1	6010C
7439-92-1	Lead	390	1.2	0.64	mg/Kg			1	6010C
7782-49-2	Selenium	3.0	3.0	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	2.5	1.2	0.12	mg/Kg			1	6010C
7439-97-6	Mercury	0.52	0.023	0.0096	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1251B-CS (sieve)
Lab Sample ID: 680-89038-36
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG ID.:
Matrix: Solid
Date Sampled: 04/03/2013 13:50
Reporting Basis: DRY
Date Received: 04/05/2013 11:23
% Solids: 72.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	32	2.3	0.69	mg/Kg			1	6010C
7440-39-3	Barium	520	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	2.2	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	81	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	340	1.2	0.62	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.9	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	0.25	1.2	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.45	0.025	0.010	mg/Kg			1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	ICV 680-272554/4 04/09/2013 15:22				CCV 680-272554/85 04/09/2013 22:48				CCV 680-272554/97 04/09/2013 23:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1010		1000	101	484		500	97	485		500	97
Barium	1020		1000	102	5100		5000	102	5130		5000	103
Cadmium	1030		1000	103	512		500	102	515		500	103
Chromium	1020		1000	102	5210		5000	104	5240		5000	105
Lead	1000		1000	100	491		500	98	499		500	100
Selenium	962		1000	96	4880		5000	98	4900		5000	98
Silver	972		1000	97	494		500	99	498		500	100

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	CCV 680-272554/109 04/10/2013 00:59				CCV 680-272554/119 04/10/2013 01:54							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	478		500	96	485		500	97				
Barium	5130		5000	103	5100		5000	102				
Cadmium	513		500	103	509		500	102				
Chromium	5230		5000	105	5180		5000	104				
Lead	497		500	99	493		500	99				
Selenium	4870		5000	97	4820		5000	96				
Silver	498		500	100	494		500	99				

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	ICV 680-272682/4 04/10/2013 14:02				CCV 680-272682/47 04/10/2013 18:05				CCV 680-272682/59 04/10/2013 19:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	1030		1000	103	5150		5000	103	5150		5000	103
Selenium	990		1000	99	5000		5000	100	4990		5000	100
Silver	968		1000	97	500		500	100	495		500	99
Arsenic	1000		1000	100	484		500	97	488		500	98
Barium	1030		1000	103	5140		5000	103	5130		5000	103
Cadmium	1040		1000	104	509		500	102	509		500	102
Lead	1010		1000	101	497		500	99	503		500	101

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	ICV 680-272221/34-A 04/09/2013 11:51				CCV 680-272221/31-A 04/09/2013 12:27				CCV 680-272221/31-A 04/09/2013 12:57			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.04		3.00	101	2.58		2.50	103	2.69		2.50	108

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

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	CCV 680-272221/31-A 04/09/2013 13:26				CCV 680-272221/31-A 04/09/2013 13:55				CCV 680-272221/31-A 04/09/2013 14:25			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.70		2.50	108	2.70		2.50	108	2.68		2.50	107

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Method: 6010C Instrument ID: ICPF

Lab Sample ID: CRI 680-272554/6 Concentration Units: ug/L

CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	19.3	J	96	50-150
Barium	10.0	10.2		102	50-150
Cadmium	5.00	5.48		110	50-150
Chromium	10.0	10.6		106	50-150
Lead	10.0	7.61	J	76	50-150
Selenium	20.0	22.3	J	112	50-150
Silver	10.0	10.0		100	50-150

Lab Sample ID: CRI 680-272682/6 Concentration Units: ug/L

CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	17.9	J	89	50-150
Barium	10.0	10.3		103	50-150
Cadmium	5.00	5.53		111	50-150
Chromium	10.0	11.1		111	50-150
Lead	10.0	12.8		128	50-150
Selenium	20.0	17.7	J	89	50-150
Silver	10.0	10.1		101	50-150

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Method: 7471B Instrument ID: LEEMAN2

Lab Sample ID: CRA 680-272221/36-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_Int_Cal_00091

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.180	J	90	50-150

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 680-272554/5 04/09/2013 15:28		CCB 680-272554/86 04/09/2013 22:54		CCB 680-272554/98 04/09/2013 23:59		CCB 680-272554/110 04/10/2013 01:05	
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U	20	U	20	U	20	U
Barium	10	10	U	10	U	10	U	10	U
Cadmium	5.0	5.0	U	5.0	U	5.0	U	5.0	U
Chromium	10	10	U	10	U	10	U	10	U
Lead	10	10	U	10	U	10	U	10	U
Selenium	25	25	U	25	U	12.8	J	25	U
Silver	10	10	U	10	U	10	U	10	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 680-272554/120 04/10/2013 01:59							
		Found	C	Found	C	Found	C	Found	C
Arsenic	20	20	U						
Barium	10	10	U						
Cadmium	5.0	5.0	U						
Chromium	10	10	U						
Lead	10	10	U						
Selenium	25	25	U						
Silver	10	10	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICBIS 680-272682/5 04/10/2013 14:07		CCB 680-272682/48 04/10/2013 18:11		CCB 680-272682/60 04/10/2013 19:16			
		Found	C	Found	C	Found	C	Found	C
Chromium	10	10	U	10	U	10	U		
Selenium	25	25	U	25	U	25	U		
Silver	10	10	U	10	U	10	U		
Arsenic	20	20	U	20	U	20	U		
Barium	10	10	U	10	U	10	U		
Cadmium	5.0	5.0	U	5.0	U	5.0	U		
Lead	10	10	U	10	U	10	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 680-272221/35-A 04/09/2013 11:53		CCB 680-272221/32-A 04/09/2013 12:30		CCB 680-272221/32-A 04/09/2013 12:59		CCB 680-272221/32-A 04/09/2013 13:28	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 680-272221/32-A 04/09/2013 13:58		CCB 680-272221/32-A 04/09/2013 14:27					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 680-272098/1-A

Instrument Code: ICPF Batch No.: 272554

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	1.9	U		6010C
7440-39-3	Barium	0.96	U		6010C
7440-43-9	Cadmium	0.48	U		6010C
7440-47-3	Chromium	0.96	U		6010C
7439-92-1	Lead	0.96	U		6010C
7782-49-2	Selenium	2.4	U		6010C
7440-22-4	Silver	0.96	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 680-272221/1-A

Instrument Code: LEEMAN2 Batch No.: 272484

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.020	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Lab Sample ID: ICSA 680-272554/7 Instrument ID: ICPF

Lab File ID: F04092013FIN.csv ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-4.22**	
Barium		**-0.353**	
Cadmium		**1.81**	
Chromium		**-0.0384**	
Lead		**0.656**	
Selenium		**-15.9**	
Silver		**-0.571**	
Aluminum	*500000*	*555613*	*111*
Antimony		*-7.25*	
Beryllium		*-0.163*	
Boron		*13.8*	
Calcium	*500000*	*503661*	*101*
Cobalt		*0.209*	
Copper		*4.29*	
Iron	*200000*	*192288*	*96*
Magnesium	*500000*	*540256*	*108*
Manganese		*1.27*	
Molybdenum		*-1.00*	
Nickel		*6.20*	
Potassium		*-0.433*	
Sodium		*141*	
Strontium		*-1.53*	
Thallium		*0.343*	
Tin		*0.632*	
Titanium		*5.98*	
Vanadium		*-0.0596*	
Zinc		*8.47*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Lab Sample ID: ICSAB 680-272554/8 Instrument ID: ICPF

Lab File ID: F04092013FIN.csv ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**105**	**105**
Barium	**500**	**525**	**105**
Cadmium	**1000**	**1004**	**100**
Chromium	**500**	**516**	**103**
Lead	**50.0**	**49.8**	**100**
Selenium	**50.0**	**58.6**	**117**
Silver	**200**	**220**	**110**
Aluminum	*500000*	*562666*	*113*
Antimony	*600*	*607*	*101*
Beryllium	*500*	*513*	*103*
Boron		*12.9*	
Calcium	*500000*	*510748*	*102*
Cobalt	*500*	*494*	*99*
Copper	*500*	*570*	*114*
Iron	*200000*	*194258*	*97*
Magnesium	*500000*	*548823*	*110*
Manganese	*500*	*524*	*105*
Molybdenum	*1000*	*1087*	*109*
Nickel	*1000*	*979*	*98*
Potassium		*-0.0580*	
Sodium		*564*	
Strontium		*-2.79*	
Thallium	*100*	*92.4*	*92*
Tin	*1000*	*1023*	*102*
Titanium		*-0.157*	
Vanadium	*500*	*500*	*100*
Zinc	*1000*	*982*	*98*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Lab Sample ID: ICSA 680-272682/7 Instrument ID: ICPF

Lab File ID: F04102013.csv ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Chromium		**-0.703**	
Selenium		**15.0**	
Silver		**0.235**	
Aluminum	*500000*	*573295*	*115*
Antimony		*-3.10*	
Arsenic		*-14.1*	
Barium		*2.19*	
Beryllium		*-0.0617*	
Boron		*13.9*	
Cadmium		*2.35*	
Calcium	*500000*	*517100*	*103*
Cobalt		*0.0654*	
Copper		*4.62*	
Iron	*200000*	*194739*	*97*
Lead		*-2.79*	
Magnesium	*500000*	*554395*	*111*
Manganese		*1.40*	
Molybdenum		*-2.40*	
Nickel		*4.67*	
Potassium		*3.56*	
Sodium		*581*	
Strontium		*-1.63*	
Thallium		*-10.2*	
Tin		*6.04*	
Titanium		*5.67*	
Vanadium		*0.710*	
Zinc		*8.58*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Lab Sample ID: ICSAB 680-272682/8 Instrument ID: ICPF

Lab File ID: F04102013.csv ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Chromium	**500**	**528**	**106**
Selenium	**50.0**	**57.9**	**116**
Silver	**200**	**226**	**113**
Aluminum	*500000*	*579436*	*116*
Antimony	*600*	*611*	*102*
Arsenic	*100*	*104*	*104*
Barium	*500*	*539*	*108*
Beryllium	*500*	*526*	*105*
Boron		*14.6*	
Cadmium	*1000*	*1027*	*103*
Calcium	*500000*	*522100*	*104*
Cobalt	*500*	*504*	*101*
Copper	*500*	*589*	*118*
Iron	*200000*	*196458*	*98*
Lead	*50.0*	*55.8*	*112*
Magnesium	*500000*	*562324*	*112*
Manganese	*500*	*536*	*107*
Molybdenum	*1000*	*1106*	*111*
Nickel	*1000*	*1004*	*100*
Potassium		*4.25*	
Sodium		*393*	
Strontium		*-0.191*	
Thallium	*100*	*82.6*	*83*
Tin	*1000*	*1045*	*104*
Titanium		*-0.772*	
Vanadium	*500*	*513*	*103*
Zinc	*1000*	*1008*	*101*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV1311B-CS-SP MS Lab ID: 680-89038-6 MS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

% Solids: 59.9

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	65.7		40		16.4	155	75-125	F	6010C
Barium	530		430		16.4	625	75-125	4	6010C
Cadmium	11.5		3.2		8.18	102	75-125		6010C
Chromium	77.5		55		16.4	136	75-125	F	6010C
Lead	522		430		8.18	1187	75-125	4	6010C
Selenium	15.9		4.1	U	16.4	97	75-125		6010C
Silver	5.19		2.6		8.18	31	75-125	F	6010C
Mercury	0.782		0.63		0.160	98	80-120	4	7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV1311B-CS-SP MSD
Lab ID: 680-89038-6 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-89038-3
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 59.9

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	62.7		16.4	136	75-125	5	20	F	6010C
Barium	431		16.4	20	75-125	21	20	4 F	6010C
Cadmium	11.2		8.18	98	75-125	3	20		6010C
Chromium	83.5		16.4	173	75-125	7	20	F	6010C
Lead	457		8.18	388	75-125	13	20	4	6010C
Selenium	16.4		16.4	100	75-125	3	20		6010C
Silver	4.94		8.18	28	75-125	5	20	F	6010C
Mercury	0.724		0.152	65	80-120	8	20	4	7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: CV1311B-CS-SP PDS Lab ID: 680-89038-6 PDS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	367		40		324	101	75-125		6010C
Barium	738		430		324	96	75-125		6010C
Cadmium	11.0		3.2		8.10	97	75-125		6010C
Chromium	86.6		55		32.4	97	75-125		6010C
Lead	493		430		81.0	84	75-125		6010C
Selenium	320		4.1	U	324	99	75-125		6010C
Silver	10.7		2.6		8.10	99	75-125		6010C

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-272098/3-A

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

Sample Matrix: Solid LCS Source: MS Cal Stk_00019

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	19.8	19.5		99	75	125		6010C
Barium	19.8	19.2		97	75	125		6010C
Cadmium	19.8	20.2		102	75	125		6010C
Chromium	19.8	20.7		104	75	125		6010C
Lead	19.8	19.3		98	75	125		6010C
Selenium	19.8	19.9		100	75	125		6010C
Silver	19.8	19.9		101	75	125		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-272221/2-A

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00091

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.227	0.245		108	80	120		7471B

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 680-89038-6

SDG No:

Lab Name: TestAmerica Savannah Job No: 680-89038-3

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	40		38.2		NC		6010C
Barium	430		434		1.6		6010C
Cadmium	3.2		2.89	J	NC		6010C
Chromium	55		55.9		1.2		6010C
Lead	430		438		3.1		6010C
Selenium	4.1	U	20	U	NC		6010C
Silver	2.6		2.13	J	NC		6010C

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89038-3

SDG Number:

Matrix: Solid Instrument ID: ICPF

Method: 6010C MDL Date: 06/02/2009 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		2	0.59
Barium		1	0.3
Cadmium		0.5	0.1
Chromium		1	0.5
Lead		1	0.53
Selenium		2.5	1
Silver		1	0.096

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89038-3

SDG Number:

Matrix: Solid Instrument ID: ICPF

Method: 6010C XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	5.9
Barium		10	3
Cadmium		5	1
Chromium		10	5
Lead		10	5.3
Selenium		25	10
Silver		10	0.96

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89038-3

SDG Number:

Matrix: Solid Instrument ID: LEEMAN2

Method: 7471B MDL Date: 06/02/2009 00:00

Prep Method: 7471B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.02	0.0082

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89038-3

SDG Number:

Matrix: Solid Instrument ID: LEEMAN2

Method: 7471B XMDL Date: 06/01/2008 15:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.08

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89038-3

SDG No.:

ICP-AES Instrument ID: ICPF Date: 03/05/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215										0.000440		-0.000039		
Antimony	206.834						0.009150	0.000014			0.014330		0.000041		
Arsenic	188.980							-0.000037			0.000600		-0.000005		
Barium	389.178												0.000071		0.000112
Beryllium	313.042														
Boron	249.678									0.002360			-0.000270		
Cadmium	226.502		0.000003										0.000095		
Calcium	370.602												-0.048770		
Chromium	267.716								-0.000130				-0.000034		
Cobalt	228.615					0.000070			-0.000190		0.000076		0.000002		
Copper	324.754						0.000119	-0.000074					0.000009		0.000002
Iron	271.441									0.060870	-0.002240				
Lead	220.353		-0.000136							-0.000140	-0.001020		-0.000007		
Magnesium	279.078												-0.003105		
Manganese	257.610												0.000012		0.000026
Molybdenum	202.032		0.000004										-0.000038		
Nickel	231.604									-0.000240			0.000021		0.000013
Potassium	766.491					-0.002100									
Selenium	196.026		0.000013					0.000011					-0.000075		0.000022
Silicon								-0.000006							
Silver	328.068										-0.000140	-0.000026	-0.000006		
Sodium	330.237												-0.007294		
Strontium	216.596		0.000003					0.000007				-0.000140	0.000079		
Thallium	190.794		-0.000024					-0.000020		0.003520			-0.000092		
Tin	189.925							-0.000006							
Titanium	334.941							0.000005			0.000270	-0.000008			
Vanadium	292.401										-0.002120		0.000007		
Zinc	206.200										-0.001240		0.000008		0.000011

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89038-3

SDG No.:

ICP-AES Instrument ID: ICPF Date: 03/05/2013

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	SiO2	Sn	Sr	Ti	Tl	V
Aluminum	308.215		0.007900												0.017120
Antimony	206.834		-0.003260								-0.002880		-0.002430		-0.001820
Arsenic	188.980		0.000460		-0.000500										0.000060
Barium	389.178		0.000300												0.000175
Beryllium	313.042		-0.000060												0.000390
Boron	249.678		-0.001000												
Cadmium	226.502												0.001740		
Calcium	370.602	0.007600											0.027800		0.003440
Chromium	267.716		0.000040										0.000047		-0.000440
Cobalt	228.615		-0.002040								-0.000032		0.001740		
Copper	324.754	0.000076	0.000200		0.000190								-0.000180		-0.000500
Iron	271.441		0.001700												0.012440
Lead	220.353		-0.001730												
Magnesium	279.078	-0.001500													
Manganese	257.610												0.000110		
Molybdenum	202.032														-0.000540
Nickel	231.604		-0.000050				-0.000029							0.000200	
Potassium	766.491														
Selenium	196.026	0.000690													
Silicon															
Silver	328.068	0.000140	0.00000										-0.000110		0.000028
Sodium	330.237												-0.109400		
Strontium	216.596		-0.002900		-0.006100										
Thallium	190.794		-0.002200										0.001400		0.002320
Tin	189.925												0.000400		
Titanium	334.941														0.000028
Vanadium	292.401	-0.000070	-0.008290										0.000324		
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89038-3

SDG No.:

ICP-AES Instrument ID: ICPF Date: 03/05/2013

Analyte	Wave Length	Zn													
Aluminum	308.215														
Antimony	206.834														
Arsenic	188.980														
Barium	389.178														
Beryllium	313.042														
Boron	249.678														
Cadmium	226.502														
Calcium	370.602														
Chromium	267.716														
Cobalt	228.615														
Copper	324.754														
Iron	271.441														
Lead	220.353														
Magnesium	279.078														
Manganese	257.610														
Molybdenum	202.032														
Nickel	231.604														
Potassium	766.491														
Selenium	196.026														
Silicon															
Silver	328.068														
Sodium	330.237	0.024999													
Strontium	216.596														
Thallium	190.794														
Tin	189.925														
Titanium	334.941														
Vanadium	292.401														
Zinc	206.200														

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-272098/1-A	04/05/2013 15:15	272098	1.04		100
LCS 680-272098/3-A	04/05/2013 15:15	272098	1.01		100
680-89038-6	04/05/2013 15:15	272098	1.03		100
680-89038-6 MS	04/05/2013 15:15	272098	1.02		100
680-89038-6 MSD	04/05/2013 15:15	272098	1.02		100
680-89038-9	04/05/2013 15:15	272098	1.17		100
680-89038-10	04/05/2013 15:15	272098	1.08		100
680-89038-30	04/05/2013 15:15	272098	1.16		100
680-89038-33	04/05/2013 15:15	272098	1.08		100
680-89038-34	04/05/2013 15:15	272098	1.04		100
680-89038-35	04/05/2013 15:15	272098	1.05		100
680-89038-36	04/05/2013 15:15	272098	1.18		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-272221/1-A	04/08/2013 10:12	272221	0.50		50
LCS 680-272221/2-A	04/08/2013 10:12	272221	0.55		50
680-89038-6	04/08/2013 10:12	272221	0.59		50
680-89038-6 MS	04/08/2013 10:12	272221	0.52		50
680-89038-6 MSD	04/08/2013 10:12	272221	0.55		50
680-89038-9	04/08/2013 10:12	272221	0.57		50
680-89038-10	04/08/2013 10:12	272221	0.52		50
680-89038-30	04/08/2013 10:12	272221	0.52		50
680-89038-33	04/08/2013 10:12	272221	0.52		50
680-89038-34	04/08/2013 10:12	272221	0.52		50
680-89038-35	04/08/2013 10:12	272221	0.54		50
680-89038-36	04/08/2013 10:12	272221	0.55		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: ICPF Method: 6010C

Start Date: 04/09/2013 15:06 End Date: 04/10/2013 01:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			15:06																				
ZZZZZZ			15:11																				
ZZZZZZ			15:17																				
ICV 680-272554/4	1		15:22	X	X	X	X	X	X	X													
ICBIS 680-272554/5	1		15:28	X	X	X	X	X	X	X													
CRI 680-272554/6	1		15:33	X	X	X	X	X	X	X													
ICSA 680-272554/7	1		15:39	X	X	X	X	X	X	X													
ICSAB 680-272554/8	1		15:44	X	X	X	X	X	X	X													
CCV 680-272554/9			15:53																				
CCB 680-272554/10			15:58																				
ZZZZZZ			16:04																				
ZZZZZZ			16:09																				
ZZZZZZ			16:15																				
ZZZZZZ			16:20																				
ZZZZZZ			16:26																				
ZZZZZZ			16:31																				
ZZZZZZ			16:37																				
ZZZZZZ			16:42																				
ZZZZZZ			16:47																				
ZZZZZZ			16:53																				
CCV 680-272554/21			16:58																				
CCB 680-272554/22			17:04																				
ZZZZZZ			17:09																				
ZZZZZZ			17:15																				
ZZZZZZ			17:20																				
ZZZZZZ			17:26																				
ZZZZZZ			17:31																				
ZZZZZZ			17:36																				
ZZZZZZ			17:42																				
ZZZZZZ			17:47																				
ZZZZZZ			17:53																				
ZZZZZZ			17:58																				
CCV 680-272554/33			18:04																				
CCB 680-272554/34			18:09																				
ZZZZZZ			18:15																				
ZZZZZZ			18:20																				
ZZZZZZ			18:25																				
ZZZZZZ			18:32																				
ZZZZZZ			18:38																				
ZZZZZZ			18:43																				
ZZZZZZ			18:49																				
ZZZZZZ			18:54																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: ICPF Method: 6010C

Start Date: 04/09/2013 15:06 End Date: 04/10/2013 01:59

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			18:59																				
ZZZZZZ			19:05																				
CCV 680-272554/45			19:10																				
CCB 680-272554/46			19:16																				
ZZZZZZ			19:21																				
ZZZZZZ			19:27																				
ZZZZZZ			19:32																				
ZZZZZZ			19:38																				
ZZZZZZ			19:43																				
ZZZZZZ			19:48																				
ZZZZZZ			19:54																				
ZZZZZZ			19:59																				
ZZZZZZ			20:05																				
ZZZZZZ			20:10																				
CCV 680-272554/57			20:16																				
CCB 680-272554/58			20:21																				
ZZZZZZ			20:27																				
ZZZZZZ			20:32																				
CCV 680-272554/61			20:37																				
CCB 680-272554/62			20:43																				
ZZZZZZ			20:48																				
ZZZZZZ			20:54																				
ZZZZZZ			20:59																				
ZZZZZZ			21:05																				
ZZZZZZ			21:10																				
ZZZZZZ			21:16																				
ZZZZZZ			21:21																				
ZZZZZZ			21:26																				
ZZZZZZ			21:32																				
ZZZZZZ			21:37																				
CCV 680-272554/73			21:43																				
CCB 680-272554/74			21:48																				
ZZZZZZ			21:54																				
ZZZZZZ			21:59																				
ZZZZZZ			22:05																				
ZZZZZZ			22:10																				
ZZZZZZ			22:15																				
ZZZZZZ			22:21																				
ZZZZZZ			22:26																				
ZZZZZZ			22:32																				
ZZZZZZ			22:37																				
ZZZZZZ			22:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: ICPF Method: 6010C

Start Date: 04/09/2013 15:06 End Date: 04/10/2013 01:59

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCV 680-272554/85	1		22:48	X	X	X	X	X	X	X													
CCB 680-272554/86	1		22:54	X	X	X	X	X	X	X													
ZZZZZZ			22:59																				
ZZZZZZ			23:05																				
ZZZZZZ			23:10																				
ZZZZZZ			23:15																				
ZZZZZZ			23:21																				
MB 680-272098/1-A	1	T	23:26	X	X	X	X	X	X	X													
ZZZZZZ			23:32																				
LCS 680-272098/3-A	1	T	23:37	X	X	X	X	X	X	X													
ZZZZZZ			23:43																				
ZZZZZZ			23:48																				
CCV 680-272554/97	1		23:54	X	X	X	X	X	X	X													
CCB 680-272554/98	1		23:59	X	X	X	X	X	X	X													
ZZZZZZ			00:05																				
ZZZZZZ			00:10																				
ZZZZZZ			00:15																				
680-89038-6	1	T	00:21	X	X	X	X	X	X	X													
680-89038-6 SD	5	T	00:26	X	X	X	X	X	X	X													
680-89038-6 PDS	1	T	00:32	X	X	X	X	X	X	X													
680-89038-6 MS	1	T	00:37	X	X	X	X	X	X	X													
680-89038-6 MSD	1	T	00:43	X	X	X	X	X	X	X													
680-89038-9	1	T	00:48	X	X	X	X	X	X	X													
680-89038-10	1	T	00:54	X	X	X	X	X	X	X													
CCV 680-272554/109	1		00:59	X	X	X	X	X	X	X													
CCB 680-272554/110	1		01:05	X	X	X	X	X	X	X													
680-89038-30	1	T	01:10		X	X	X		X														
680-89038-33	1	T	01:16	X	X	X	X	X	X	X													
680-89038-34	1	T	01:21	X	X	X	X	X	X	X													
680-89038-35	1	T	01:26	X	X	X	X	X	X	X													
680-89038-36	1	T	01:32	X	X	X	X	X	X	X													
ZZZZZZ			01:37																				
ZZZZZZ			01:43																				
ZZZZZZ			01:48																				
CCV 680-272554/119	1		01:54	X	X	X	X	X	X	X													
CCB 680-272554/120	1		01:59	X	X	X	X	X	X	X													

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: ICPF Method: 6010C

Start Date: 04/10/2013 13:45 End Date: 04/11/2013 01:32

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Cr	Se																		
ZZZZZZ			13:45																					
ZZZZZZ			13:51																					
ZZZZZZ			13:56																					
ICV 680-272682/4	1		14:02	X	X	X																		
ICBIS 680-272682/5	1		14:07	X	X	X																		
CRI 680-272682/6	1		14:12	X	X	X																		
ICSA 680-272682/7	1		14:18	X	X	X																		
ICSAB 680-272682/8	1		14:23	X	X	X																		
ZZZZZZ			14:29																					
ZZZZZZ			14:38																					
ZZZZZZ			14:43																					
CCV 680-272682/12			14:49																					
CCB 680-272682/13			14:54																					
ZZZZZZ			15:00																					
ZZZZZZ			15:05																					
ZZZZZZ			15:10																					
ZZZZZZ			15:16																					
ZZZZZZ			15:21																					
ZZZZZZ			15:27																					
ZZZZZZ			15:32																					
ZZZZZZ			15:38																					
ZZZZZZ			15:45																					
ZZZZZZ			15:50																					
CCV 680-272682/24			15:56																					
CCB 680-272682/25			16:01																					
ZZZZZZ			16:09																					
ZZZZZZ			16:15																					
ZZZZZZ			16:20																					
ZZZZZZ			16:26																					
ZZZZZZ			16:31																					
ZZZZZZ			16:37																					
ZZZZZZ			16:42																					
ZZZZZZ			16:48																					
ZZZZZZ			16:53																					
ZZZZZZ			16:58																					
CCV 680-272682/36			17:04																					
CCB 680-272682/37			17:09																					
ZZZZZZ			17:15																					
ZZZZZZ			17:20																					
ZZZZZZ			17:26																					
ZZZZZZ			17:32																					
ZZZZZZ			17:38																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: ICPF Method: 6010C

Start Date: 04/10/2013 13:45 End Date: 04/11/2013 01:32

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Cr	Se																		
ZZZZZZ			17:43																					
ZZZZZZ			17:49																					
ZZZZZZ			17:54																					
ZZZZZZ			18:00																					
CCV 680-272682/47	1		18:05	X	X	X																		
CCB 680-272682/48	1		18:11	X	X	X																		
ZZZZZZ			18:16																					
ZZZZZZ			18:21																					
ZZZZZZ			18:27																					
ZZZZZZ			18:32																					
ZZZZZZ			18:38																					
ZZZZZZ			18:43																					
680-89038-30	5	T	18:49	X	X	X																		
ZZZZZZ			18:54																					
ZZZZZZ			19:00																					
ZZZZZZ			19:05																					
CCV 680-272682/59	1		19:11	X	X	X																		
CCB 680-272682/60	1		19:16	X	X	X																		
ZZZZZZ			19:21																					
ZZZZZZ			19:27																					
ZZZZZZ			19:32																					
ZZZZZZ			19:38																					
ZZZZZZ			19:43																					
ZZZZZZ			19:49																					
ZZZZZZ			19:54																					
ZZZZZZ			19:59																					
ZZZZZZ			20:05																					
ZZZZZZ			20:10																					
CCV 680-272682/71			20:16																					
CCB 680-272682/72			20:21																					
ZZZZZZ			20:27																					
ZZZZZZ			20:32																					
ZZZZZZ			20:38																					
ZZZZZZ			20:43																					
ZZZZZZ			20:49																					
ZZZZZZ			20:54																					
ZZZZZZ			20:59																					
ZZZZZZ			21:05																					
ZZZZZZ			21:10																					
ZZZZZZ			21:16																					
CCV 680-272682/83			21:21																					
CCB 680-272682/84			21:27																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: ICPF Method: 6010C

Start Date: 04/10/2013 13:45 End Date: 04/11/2013 01:32

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Cr	Se																		
ZZZZZZ			21:32																					
ZZZZZZ			21:38																					
ZZZZZZ			21:43																					
ZZZZZZ			21:49																					
ZZZZZZ			21:54																					
ZZZZZZ			21:59																					
ZZZZZZ			22:05																					
ZZZZZZ			22:10																					
ZZZZZZ			22:16																					
ZZZZZZ			22:21																					
CCV 680-272682/95			22:27																					
CCB 680-272682/96			22:32																					
ZZZZZZ			22:38																					
ZZZZZZ			22:43																					
ZZZZZZ			22:49																					
ZZZZZZ			22:54																					
ZZZZZZ			22:59																					
ZZZZZZ			23:05																					
ZZZZZZ			23:10																					
ZZZZZZ			23:16																					
ZZZZZZ			23:21																					
ZZZZZZ			23:27																					
CCV 680-272682/107			23:32																					
CCB 680-272682/108			23:38																					
ZZZZZZ			23:43																					
ZZZZZZ			23:49																					
ZZZZZZ			23:54																					
ZZZZZZ			23:59																					
ZZZZZZ			00:05																					
ZZZZZZ			00:10																					
ZZZZZZ			00:16																					
ZZZZZZ			00:21																					
ZZZZZZ			00:27																					
ZZZZZZ			00:32																					
CCV 680-272682/119			00:38																					
CCB 680-272682/120			00:43																					
ZZZZZZ			00:49																					
ZZZZZZ			00:54																					
ZZZZZZ			01:00																					
ZZZZZZ			01:05																					
ZZZZZZ			01:10																					
ZZZZZZ			01:16																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: ICPF Method: 6010C

Start Date: 04/10/2013 13:45 End Date: 04/11/2013 01:32

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Cr	Se																		
CRI 680-272682/127			01:21																					
CCV 680-272682/128			01:27																					
CCB 680-272682/129			01:32																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/09/2013 11:36 End Date: 04/09/2013 17:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
IC 680-272221/24-A			11:36	X																			
IC 680-272221/25-A			11:39	X																			
IC 680-272221/26-A			11:41	X																			
IC 680-272221/27-A			11:44	X																			
IC 680-272221/28-A			11:46	X																			
IC 680-272221/29-A			11:48	X																			
ICV 680-272221/34-A	1		11:51	X																			
ICB 680-272221/35-A	1		11:53	X																			
CRA 680-272221/36-A	1		11:56	X																			
CCV 680-272221/31-A			11:58																				
CCB 680-272221/32-A			12:01																				
ZZZZZZ			12:03																				
ZZZZZZ			12:05																				
ZZZZZZ			12:08																				
ZZZZZZ			12:10																				
ZZZZZZ			12:13																				
ZZZZZZ			12:15																				
ZZZZZZ			12:18																				
ZZZZZZ			12:20																				
ZZZZZZ			12:22																				
ZZZZZZ			12:25																				
CCV 680-272221/31-A	1		12:27	X																			
CCB 680-272221/32-A	1		12:30	X																			
ZZZZZZ			12:32																				
ZZZZZZ			12:35																				
ZZZZZZ			12:37																				
ZZZZZZ			12:40																				
ZZZZZZ			12:42																				
ZZZZZZ			12:44																				
ZZZZZZ			12:47																				
ZZZZZZ			12:49																				
MB 680-272221/1-A	1	T	12:52	X																			
LCS 680-272221/2-A	1	T	12:54	X																			
CCV 680-272221/31-A	1		12:57	X																			
CCB 680-272221/32-A	1		12:59	X																			
ZZZZZZ			13:01																				
ZZZZZZ			13:04																				
ZZZZZZ			13:06																				
ZZZZZZ			13:09																				
ZZZZZZ			13:11																				
ZZZZZZ			13:14																				
ZZZZZZ			13:16																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/09/2013 11:36 End Date: 04/09/2013 17:22

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:19																				
ZZZZZZ			13:21																				
ZZZZZZ			13:24																				
CCV 680-272221/31-A	1		13:26	X																			
CCB 680-272221/32-A	1		13:28	X																			
ZZZZZZ			13:31																				
680-89038-6	1	T	13:33	X																			
680-89038-6 MS	1	T	13:36	X																			
680-89038-6 MSD	1	T	13:38	X																			
680-89038-9	1	T	13:41	X																			
680-89038-10	1	T	13:43	X																			
680-89038-30	1	T	13:46	X																			
680-89038-33	1	T	13:48	X																			
680-89038-34	1	T	13:51	X																			
680-89038-35	1	T	13:53	X																			
CCV 680-272221/31-A	1		13:55	X																			
CCB 680-272221/32-A	1		13:58	X																			
680-89038-36	1	T	14:00	X																			
ZZZZZZ			14:03																				
ZZZZZZ			14:05																				
ZZZZZZ			14:08																				
ZZZZZZ			14:10																				
ZZZZZZ			14:13																				
ZZZZZZ			14:15																				
ZZZZZZ			14:18																				
ZZZZZZ			14:20																				
ZZZZZZ			14:22																				
CCV 680-272221/31-A	1		14:25	X																			
CCB 680-272221/32-A	1		14:27	X																			
ZZZZZZ			14:30																				
ZZZZZZ			14:32																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:40																				
ZZZZZZ			14:42																				
ZZZZZZ			14:44																				
ZZZZZZ			14:47																				
ZZZZZZ			14:49																				
ZZZZZZ			14:52																				
CCV 680-272221/31-A			14:54																				
CCB 680-272221/32-A			14:57																				
ZZZZZZ			14:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/09/2013 11:36 End Date: 04/09/2013 17:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:02																				
ZZZZZZ			15:04																				
ZZZZZZ			15:07																				
ZZZZZZ			15:09																				
ZZZZZZ			15:11																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
ZZZZZZ			15:19																				
ZZZZZZ			15:21																				
CCV 680-272221/31-A			15:24																				
CCB 680-272221/32-A			15:26																				
ZZZZZZ			15:29																				
ZZZZZZ			15:31																				
ZZZZZZ			15:34																				
ZZZZZZ			15:36																				
ZZZZZZ			15:38																				
ZZZZZZ			15:41																				
ZZZZZZ			15:43																				
ZZZZZZ			15:46																				
ZZZZZZ			15:48																				
ZZZZZZ			15:51																				
CCV 680-272221/31-A			15:53																				
CCB 680-272221/32-A			15:56																				
ZZZZZZ			15:58																				
ZZZZZZ			16:01																				
ZZZZZZ			16:03																				
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				
ZZZZZZ			16:10																				
ZZZZZZ			16:13																				
ZZZZZZ			16:15																				
ZZZZZZ			16:18																				
ZZZZZZ			16:20																				
CCV 680-272221/31-A			16:23																				
CCB 680-272221/32-A			16:25																				
ZZZZZZ			16:28																				
ZZZZZZ			16:30																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/09/2013 11:36 End Date: 04/09/2013 17:22

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:45																				
ZZZZZZ			16:47																				
ZZZZZZ			16:50																				
CCV 680-272221/31-A			16:52																				
CCB 680-272221/32-A			16:55																				
ZZZZZZ			16:57																				
ZZZZZZ			17:00																				
ZZZZZZ			17:02																				
ZZZZZZ			17:05																				
CCV 680-272221/31-A			17:07																				
CCB 680-272221/32-A			17:10																				
ZZZZZZ			17:17																				
CCV 680-272221/31-A			17:20																				
CCB 680-272221/32-A			17:22																				

Prep Types

T = Total/NA

Blank (Blk) **4/9/2013, 3:06:23 PM** **Rack S, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	7.008	36.1	-19.4055
Al 308.215	0.0000	ppb	3.739	10.4	36.0186
As 188.980	0.0000	ppb	3.099	436.7	-0.7097
B 249.678	0.0000	ppb	2.146	5.0	42.8648
Ba 389.178	0.0000	ppb	1.016	4.7	-21.4839
Be 313.042	0.0000	ppb	6.469	6.6	97.7028
Ca 370.602	0.0000	ppb	8.108	13.4	-60.56
Cd 226.502	0.0000	ppb	1.866	11.9	15.6187
Co 228.615	0.0000	ppb	3.353	70.0	-4.7912
Cr 267.716	0.0000	ppb	2.462	33.1	7.4282
Cu 324.754	0.0000	ppb	3.236	2.8	114.749
Fe 271.441	0.0000	ppb	2.367	92.9	-2.5468
K 766.491	0.0000	ppb	29.782	1.3	2353.89
Mg 279.078	0.0000	ppb	3.643	13.6	26.8622
Mn 257.610	0.0000	ppb	3.386	6.1	55.1922
Mo 202.032	0.0000	ppb	2.450	324.6	-0.7548
Na 330.237	0.0000	ppb	3.897	186.9	-2.0850
Ni 231.604	0.0000	ppb	1.877	176.4	-1.0642
Pb 220.353	0.0000	ppb	1.278	46.8	2.7278
Sb 206.834	0.0000	ppb	0.881	113.3	0.7778
Se 196.026	0.0000	ppb	3.173	180.8	1.7545
Sn 189.925	0.0000	ppb	0.739	58.9	1.2558
Sr 216.596	0.0000	ppb	1.003	17.8	-5.6404
Ti 334.941	0.0000	ppb	16.569	55.5	-29.8385
Tl 190.794	0.0000	ppb	1.319	373.0	0.3537
V 292.401	0.0000	ppb	3.357	17.2	19.5148
Zn 206.200	0.0000	ppb	0.831	24.4	3.4051

HIGH STD (Std) **4/9/2013, 3:11:48 PM** **Rack S, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	234.467	0.8	30112.0
Al 308.215	10000.0	ppb	66.188	0.2	27643.9
As 188.980	1000.00	ppb	5.408	1.6	343.951
B 249.678	1000.00	ppb	13.574	0.2	8588.23
Ba 389.178	10000.0	ppb	304.300	0.2	162594
Be 313.042	1000.00	ppb	373.368	0.0	1516205
Ca 370.602	10000	ppb	56.611	0.1	37771
Cd 226.502	1000.00	ppb	26.489	0.1	21618.9
Co 228.615	1000.00	ppb	37.518	0.5	7892.77
Cr 267.716	10000.0	ppb	136.505	0.1	159956
Cu 324.754	10000.0	ppb	1959.374	0.5	358304
Fe 271.441	10000.0	ppb	19.201	0.3	7366.75
K 766.491	20000.0	ppb	5611.600	0.2	2490010
Mg 279.078	10000.0	ppb	28.982	0.3	11088.1
Mn 257.610	10000.0	ppb	1713.837	0.2	944893
Mo 202.032	1000.00	ppb	12.653	0.4	3365.94
Na 330.237	15000.0	ppb	6.825	0.7	981.016
Ni 231.604	5000.00	ppb	24.433	0.2	14246.9
Pb 220.353	1000.00	ppb	1.618	0.2	831.277
Sb 206.834	2000.00	ppb	7.522	0.6	1267.40
Se 196.026	10000.0	ppb	1.579	0.1	2600.25
Sn 189.925	10000.0	ppb	31.244	0.5	6036.40

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Sr 216.596	5000.00	ppb	36.380	0.1	29448.9
Ti 334.941	1000.00	ppb	244.583	0.1	211416
Tl 190.794	10000.0	ppb	12.228	0.3	4421.58
V 292.401	10000.0	ppb	571.846	0.2	281183
Zn 206.200	5000.00	ppb	19.562	0.1	14865.7

Ag 328.068 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-19.4055	0.0000	0.0000	-	-
HIGH STD		30112.0	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 30.1 x + -19.4

Al 308.215 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		36.0186	0.0000	0.0000	-	-
HIGH STD		27643.9	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 2.8 x + 36.0

As 188.980 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.7097	0.0000	0.0000	-	-
HIGH STD		343.951	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.3 x + -0.7

B 249.678 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		42.8648	0.0000	0.0000	-	-
HIGH STD		8588.23	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: y = 8.5 x + 42.9

Ba 389.178 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-21.4839	0.0000	0.0000	-	-
HIGH STD		162594	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 16.3 x + -21.5

Be 313.042 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		97.7028	0.0000	0.0000	-	-
HIGH STD		1516205	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1516.1 x + 97.7

Ca 370.602 Calibration (ppb) 4/9/2013, 3:11:48 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-60.56	0.0000	0.0000	-	-
HIGH STD		37771	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 3.8 x + -60.6

Cd 226.502 Calibration (ppb) 4/9/2013, 3:11:48 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.6187	0.0000	0.0000	-	-
HIGH STD		21618.9	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 21.6 x + 15.6

Co 228.615 Calibration (ppb) 4/9/2013, 3:11:48 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.7912	0.0000	0.0000	-	-
HIGH STD		7892.77	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 7.9 x + -4.8

Cr 267.716 Calibration (ppb) 4/9/2013, 3:11:48 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.4282	0.0000	0.0000	-	-
HIGH STD		159956	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 16.0 x + 7.4

Cu 324.754 Calibration (ppb) 4/9/2013, 3:11:48 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		114.749	0.0000	0.0000	-	-
HIGH STD		358304	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 35.8 x + 114.7

Fe 271.441 Calibration (ppb) 4/9/2013, 3:11:48 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.5468	0.0000	0.0000	-	-
HIGH STD		7366.75	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.7 x + -2.5

K 766.491 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2353.89	0.0000	0.0000	-	-
HIGH STD		2490010	20000.0	20000.0	0.0020	0.0

Curve Type: Linear Equation: y = 124.4 x + 2353.9

Mg 279.078 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		26.8622	0.0000	0.0000	-	-
HIGH STD		11088.1	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 1.1 x + 26.9

Mn 257.610 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		55.1922	0.0000	0.0000	-	-
HIGH STD		944893	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 94.5 x + 55.2

Mo 202.032 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.7548	0.0000	0.0000	-	-
HIGH STD		3365.94	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 3.4 x + -0.8

Na 330.237 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.0850	0.0000	0.0000	-	-
HIGH STD		981.016	15000.0	15000.0	0.0010	0.0

Curve Type: Linear Equation: y = 0.1 x + -2.1

Ni 231.604 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.0642	0.0000	0.0000	-	-
HIGH STD		14246.9	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 2.8 x + -1.1

Pb 220.353 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.7278	0.0000	0.0000	-	-
HIGH STD		831.277	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + 2.7

Sb 206.834 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.7778	0.0000	0.0000	-	-
HIGH STD		1267.40	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.6 x + 0.8

Se 196.026 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.7545	0.0000	0.0000	-	-
HIGH STD		2600.25	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.3 x + 1.8

Sn 189.925 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.2558	0.0000	0.0000	-	-
HIGH STD		6036.40	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 0.6 x + 1.3

Sr 216.596 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-5.6404	0.0000	0.0000	-	-
HIGH STD		29448.9	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 5.9 x + -5.6

Ti 334.941 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-29.8385	0.0000	0.0000	-	-
HIGH STD		211416	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 211.4 x + -29.8

Tl 190.794 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.3537	0.0000	0.0000	-	-
HIGH STD		4421.58	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.4 x + 0.4

V 292.401 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		19.5148	0.0000	0.0000	-	-
HIGH STD		281183	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 28.1 x + 19.5

Zn 206.200 Calibration (ppb) **4/9/2013, 3:11:48 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.4051	0.0000	0.0000	-	-
HIGH STD		14865.7	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: y = 3.0 x + 3.4

Lab Control Sample (LCS) **4/9/2013, 3:17:14 PM** **Rack S, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1000.18	ppb	6.3037	0.6	30115.2	100.01775
Al 308.215	10017.5	ppb	38.7259	0.4	28197.9	100.17509
As 188.980	1005.04	ppb	6.7770	0.7	347.116	100.50401
B 249.678	1002.38	ppb	3.4322	0.3	8597.10	20.04758F
Ba 389.178	10005.5	ppb	43.7462	0.4	162768	100.05511
Be 313.042	1000.69	ppb	5.1977	0.5	1523062	100.06857
Ca 370.602	10201	ppb	39.08	0.4	37221	102.00603
Cd 226.502	1001.04	ppb	5.3148	0.5	21662.5	100.10394
Co 228.615	999.038	ppb	5.1129	0.5	7890.51	99.90382
Cr 267.716	10004.7	ppb	48.7800	0.5	159968	100.04712
Cu 324.754	9966.70	ppb	86.2763	0.9	356949	99.66704
Fe 271.441	10017.6	ppb	67.4441	0.7	7500.99	100.17623
K 766.491	20008.6	ppb	76.1775	0.4	2488464	100.04298
Mg 279.078	10018.8	ppb	40.6689	0.4	11057.9	100.18777
Mn 257.610	10009.4	ppb	46.9534	0.5	945829	100.09413
Mo 202.032	1001.02	ppb	5.2886	0.5	3350.03	100.10168
Na 330.237	14974.1	ppb	140.386	0.9	975.546	99.82730
Ni 231.604	5003.01	ppb	12.2755	0.2	14261.2	100.06027
Pb 220.353	1007.05	ppb	7.2896	0.7	825.929	100.70491
Sb 206.834	1911.74	ppb	11.8051	0.6	1275.08	191.17392F
Se 196.026	9962.64	ppb	38.4985	0.4	2592.31	99.62644
Sn 189.925	9982.13	ppb	81.6554	0.8	6025.82	99.82125
Sr 216.596	5008.04	ppb	25.7019	0.5	29296.4	100.16087
Ti 334.941	999.429	ppb	4.5431	0.5	211920	99.94287
Tl 190.794	10004.5	ppb	51.3999	0.5	4434.42	100.04481
V 292.401	10022.1	ppb	43.6288	0.4	280967	100.22105
Zn 206.200	5007.84	ppb	30.5423	0.6	14852.6	100.15678

Initial Calib Verif (ICV) **4/9/2013, 3:22:40 PM** **Rack S, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	971.626b	ppb	8.9536	0.9	29256.2	97.16258
Al 308.215	960.727b	ppb	7.4361	0.8	2757.43	96.07267

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1006.18b	ppb	8.2745	0.8	346.280	100.61830
B 249.678	961.037b	ppb	3.7464	0.4	8264.40	96.10374
Ba 389.178	1022.39b	ppb	3.5535	0.3	16616.9	102.23875
Be 313.042	1030.42xb	ppb	2.8323	0.3	1562815	103.04236
Ca 370.602	986.1b	ppb	7.773	0.8	3637	98.61183
Cd 226.502	1031.45xb	ppb	3.2400	0.3	22300.4	103.14461
Co 228.615	994.776b	ppb	4.3081	0.4	7847.17	99.47763
Cr 267.716	1017.61b	ppb	3.4372	0.3	16277.1	101.76093
Cu 324.754	1008.53b	ppb	10.6913	1.1	36231.9	100.85338
Fe 271.441	980.777b	ppb	8.1393	0.8	773.300	98.07773
K 766.491	9874.52b	ppb	31.2646	0.3	1230307	98.74519
Mg 279.078	994.153b	ppb	5.3315	0.5	1121.20	99.41530
Mn 257.610	1054.48b	ppb	4.0368	0.4	99699.9	105.44757Q
Mo 202.032	996.854b	ppb	6.5533	0.7	3353.46	99.68545
Na 330.237	9335.37b	ppb	125.257	1.3	603.997	93.35367Q
Ni 231.604	1028.22b	ppb	6.1273	0.6	2928.70	102.82159
Pb 220.353	1002.71b	ppb	5.1071	0.5	831.002	100.27069
Sb 206.834	959.805b	ppb	4.5951	0.5	610.248	95.98051
Se 196.026	962.147b	ppb	12.6420	1.3	251.954	96.21474
Sn 189.925	4886.98b	ppb	14.8547	0.3	2950.85	97.73967
Sr 216.596	4901.34b	ppb	21.8439	0.4	28813.4	98.02674
Ti 334.941	969.073b	ppb	3.5912	0.4	204940	96.90735
Tl 190.794	991.635b	ppb	13.6133	1.4	440.894	99.16354
V 292.401	985.831b	ppb	3.2961	0.3	27451.3	98.58311
Zn 206.200	1026.43b	ppb	7.3115	0.7	3050.73	102.64323

Initial Calib Blank (ICB) **4/9/2013, 3:28:06 PM** **Rack S, Tube 1**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1773	ppb	0.4051	228.5	-14.0659	0.17725
Al 308.215	0.3894	ppb	1.8078	464.3	37.0971	0.38936
As 188.980	1.8862	ppb	5.1099	270.9	-0.0597	1.88624
B 249.678	2.3434	ppb	0.3097	13.2	62.8711	2.34336
Ba 389.178	0.9322	ppb	0.5321	57.1	-6.3167	0.93222
Be 313.042	0.0695	ppb	0.0075	10.9	202.946	0.06948
Ca 370.602	2.986	ppb	1.017	34.1	-49.36	2.98576
Cd 226.502	0.0184	ppb	0.0699	379.2	16.0176	0.01843
Co 228.615	-0.6656	ppb	0.1476	22.2	-10.0493	-0.66558
Cr 267.716	0.6007	ppb	0.2192	36.5	17.0374	0.60068
Cu 324.754	0.2640	ppb	0.3861	146.2	124.211	0.26405
Fe 271.441	0.2496	ppb	7.4732	2993.8	-2.3960	0.24962
K 766.491	0.8595	ppb	0.3097	36.0	2460.60	0.85945
Mg 279.078	-1.9717	ppb	4.7952	243.2	24.6791	-1.97174
Mn 257.610	0.0572	ppb	0.0285	49.8	60.6088	0.05724
Mo 202.032	1.5851	ppb	0.3196	20.2	4.5818	1.58509
Na 330.237	55.9151	ppb	130.981	234.3	1.5787	55.91506
Ni 231.604	1.1079	ppb	0.7127	64.3	2.0948	1.10791
Pb 220.353	-1.1260	ppb	5.4251	481.8	1.7942	-1.12604
Sb 206.834	5.8544	ppb	2.0705	35.4	4.4957	5.85436
Se 196.026	7.3700	ppb	6.5204	88.5	3.6697	7.37004
Sn 189.925	-5.5890	ppb	2.5302	45.3	-2.1172	-5.58901
Sr 216.596	0.6644	ppb	0.4467	67.2	-1.7749	0.66436
Ti 334.941	0.1652	ppb	0.0544	32.9	5.1137	0.16523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4.5759	ppb	2.3217	50.7	2.3753	4.57585
V 292.401	-0.0880	ppb	0.1544	175.5	16.9423	-0.08796
Zn 206.200	0.2025	ppb	0.2137	105.5	4.0059	0.20255

CRI (CRI) **4/9/2013, 3:33:32 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.0225	ppb	0.2393	2.4	282.560	100.22531
Al 308.215	207.142	ppb	2.6164	1.3	608.599	103.57079
As 188.980	19.2565	ppb	2.7033	14.0	5.9172	96.28250
B 249.678	100.718	ppb	0.6079	0.6	903.540	100.71790
Ba 389.178	10.1746	ppb	0.4539	4.5	145.077	101.74631
Be 313.042	4.2795	ppb	0.0154	0.4	6590.84	106.98788
Ca 370.602	520.0	ppb	1.210	0.2	1900	104.00533
Cd 226.502	5.4798	ppb	0.1031	1.9	134.112	109.59572
Co 228.615	10.1117	ppb	0.5574	5.5	75.0293	101.11725
Cr 267.716	10.6352	ppb	0.0326	0.3	177.464	106.35235
Cu 324.754	20.8175	ppb	0.1146	0.6	859.211	104.08762
Fe 271.441	48.0213	ppb	1.3191	2.7	33.3783	96.04259
K 766.491	1076.18	ppb	1.6745	0.2	136209	107.61765
Mg 279.078	521.246	ppb	4.1117	0.8	603.244	104.24919
Mn 257.610	10.8550	ppb	0.0942	0.9	1082.25	108.54997
Mo 202.032	10.9776	ppb	0.7591	6.9	36.1819	109.77635
Na 330.237	990.706	ppb	74.6230	7.5	62.7857	99.07058
Ni 231.604	43.0258	ppb	1.0048	2.3	121.567	107.56447
Pb 220.353	7.6051	ppb	2.4106	31.7	8.9812	76.05099R
Sb 206.834	21.7131	ppb	1.1213	5.2	14.5135	108.56528
Se 196.026	22.3113	ppb	6.0397	27.1	7.5597	111.55628
Sn 189.925	50.4828	ppb	3.1849	6.3	31.7237	100.96553
Sr 216.596	10.5472	ppb	0.7145	6.8	54.7970	105.47166
Ti 334.941	10.1111	ppb	0.0761	0.8	2109.28	101.11119
Tl 190.794	22.7087	ppb	4.2228	18.6	10.4069	90.83481
V 292.401	10.0706	ppb	0.2252	2.2	299.665	100.70566
Zn 206.200	21.4911	ppb	0.2898	1.3	67.2649	107.45544

Interf Check A (ICSA) **4/9/2013, 3:39:00 PM** **Rack S, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5713	ppb	0.6985	122.3	-73.2822	-0.57131
Al 308.215	555613	ppb	1854.71	0.3	1533944	-
As 188.980	-4.2188	ppb	6.2731	148.7	-8.8997	-4.21884
B 249.678	13.8390	ppb	2.0966	15.1	-275.267	13.83899
Ba 389.178	-0.3526	ppb	0.1029	29.2	1175.99	-0.35262
Be 313.042	-0.1631	ppb	0.0114	7.0	9.7230	-0.16313
Ca 370.602	503661	ppb	2164	0.4	1870482	-
Cd 226.502	1.8119	ppb	0.4114	22.7	480.842	1.81187
Co 228.615	0.2093	ppb	0.4370	208.8	0.0670	0.20932
Cr 267.716	-0.0384	ppb	0.3260	849.5	-94.3783	-0.03838
Cu 324.754	4.2868	ppb	0.6968	16.3	-963.229	4.28683
Fe 271.441	192288	ppb	674.603	0.4	141701	-
K 766.491	-0.4328	ppb	0.2287	52.8	2273.65	-0.43283

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	540256	ppb	1644.52	0.3	596969	-
Mn 257.610	1.2732	ppb	0.0771	6.1	1720.99	1.27320
Mo 202.032	-1.0049	ppb	0.5220	51.9	-21.2833	-1.00491
Na 330.237	141.213	ppb	175.065	124.0	-83.2919	141.21335
Ni 231.604	6.1965	ppb	2.4252	39.1	48.1307	6.19654
Pb 220.353	0.6562	ppb	5.4171	825.5	-56.8669	0.65620
Sb 206.834	-7.2525	ppb	7.1953	99.2	5.4867	-7.25246
Se 196.026	-15.9192	ppb	10.8935	68.4	2.1285	-15.91917
Sn 189.925	0.6322	ppb	1.3148	208.0	-0.1796	0.63219
Sr 216.596	-1.5306	ppb	0.3250	21.2	102.832	-1.53063
Ti 334.941	5.9844	ppb	0.0503	0.8	1821.57	5.98437
Tl 190.794	0.3427	ppb	10.2097	2978.9	-17.1790	0.34274
V 292.401	-0.0596	ppb	0.2775	465.6	59.5567	-0.05959
Zn 206.200	8.4682	ppb	1.3527	16.0	50.7801	8.46820

Interf Check AB (ICSAB) **4/9/2013, 3:44:28 PM** **Rack S, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	220.059	ppb	1.9155	0.9	6576.84	110.02935
Al 308.215	562666	ppb	451.317	0.1	1553462	112.53321
As 188.980	105.292	ppb	17.0256	16.2	28.8724	105.29197
B 249.678	12.8583	ppb	0.5578	4.3	-287.634	-
Ba 389.178	525.313	ppb	1.3577	0.3	9748.16	105.06250
Be 313.042	513.431	ppb	0.5145	0.1	778866	102.68620
Ca 370.602	510748	ppb	618.6	0.1	1896953	102.14969
Cd 226.502	1003.74	ppb	1.3374	0.1	22130.2	100.37365
Co 228.615	493.814	ppb	0.8885	0.2	3879.62	98.76285
Cr 267.716	515.868	ppb	1.5385	0.3	8152.20	103.17351
Cu 324.754	570.373	ppb	4.1653	0.7	19303.7	114.07468
Fe 271.441	194258	ppb	190.392	0.1	143179	97.12921
K 766.491	-0.0580	ppb	0.4158	717.0	2182.45	-
Mg 279.078	548823	ppb	522.312	0.1	606438	109.76464
Mn 257.610	523.719	ppb	0.4756	0.1	51104.8	104.74386
Mo 202.032	1086.73	ppb	0.7022	0.1	3639.74	108.67340
Na 330.237	563.947	ppb	93.4389	16.6	-54.9034	-
Ni 231.604	978.727	ppb	0.7373	0.1	2819.36	97.87270
Pb 220.353	49.8078	ppb	7.0289	14.1	-18.9082	99.61552
Sb 206.834	606.669	ppb	6.4471	1.1	397.399	101.11154
Se 196.026	58.6202	ppb	1.2767	2.2	21.6625	117.24034
Sn 189.925	1022.67	ppb	9.3164	0.9	616.606	102.26672
Sr 216.596	-2.7921	ppb	1.2820	45.9	42.7528	-
Ti 334.941	-0.1567	ppb	0.0349	22.3	562.692	-
Tl 190.794	92.3628	ppb	14.5065	15.7	23.5025	92.36285
V 292.401	499.735	ppb	0.9279	0.2	13827.2	99.94691
Zn 206.200	982.000	ppb	2.6622	0.3	2942.95	98.19995

Cont Calib Verif (CCV) **4/9/2013, 3:53:29 PM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.412	ppb	1.9446	0.4	14997.7	99.68239
Al 308.215	5010.71	ppb	7.8083	0.2	14119.4	100.21415

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	490.537	ppb	9.9631	2.0	169.096	98.10748
B 249.678	508.372	ppb	0.9686	0.2	4381.63	20.33488Q
Ba 389.178	5141.80	ppb	9.6619	0.2	83634.3	102.83604
Be 313.042	515.153	ppb	0.7320	0.1	783996	103.03066
Ca 370.602	5055	ppb	4.774	0.1	18411	101.09424
Cd 226.502	514.575	ppb	0.4503	0.1	11142.8	102.91502
Co 228.615	513.681	ppb	1.3195	0.3	4054.91	102.73621
Cr 267.716	5198.00	ppb	8.3218	0.2	83117.6	103.96000
Cu 324.754	5096.00	ppb	62.3147	1.2	182569	101.91998
Fe 271.441	5034.58	ppb	16.5157	0.3	3767.95	100.69169
K 766.491	10018.3	ppb	28.9473	0.3	1247119	100.18332
Mg 279.078	4961.03	ppb	21.3326	0.4	5488.28	99.22050
Mn 257.610	5324.11	ppb	5.3777	0.1	503120	106.48215
Mo 202.032	497.937	ppb	1.7966	0.4	1666.10	99.58748
Na 330.237	7361.85	ppb	101.183	1.4	478.688	98.15800
Ni 231.604	2598.25	ppb	5.0323	0.2	7405.69	103.92991
Pb 220.353	500.539	ppb	3.5606	0.7	411.690	100.10780
Sb 206.834	934.530	ppb	4.2216	0.5	626.456	37.38118Q
Se 196.026	4917.64	ppb	21.3733	0.4	1280.54	98.35289
Sn 189.925	4971.51	ppb	15.9420	0.3	3001.74	99.43014
Sr 216.596	2526.58	ppb	3.6664	0.1	14774.7	101.06302
Ti 334.941	497.744	ppb	1.2991	0.3	105539	99.54884
Tl 190.794	4994.95	ppb	20.8792	0.4	2214.12	99.89904
V 292.401	4946.19	ppb	7.9558	0.2	138658	98.92378
Zn 206.200	2602.02	ppb	4.5327	0.2	7718.88	104.08070

Cont Calib Blank (CCB) **4/9/2013, 3:58:55 PM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.3984	ppb	0.4114	103.3	-7.4023	0.39837
Al 308.215	-1.9646	ppb	2.5042	127.5	30.6091	-1.96458
As 188.980	2.0097	ppb	5.2657	262.0	-0.0169	2.00975
B 249.678	0.7673	ppb	0.3567	46.5	49.4049	0.76734
Ba 389.178	0.6346	ppb	0.7578	119.4	-11.1640	0.63463
Be 313.042	-0.0715	ppb	0.0068	9.6	-10.7136	-0.07147
Ca 370.602	-2.998	ppb	3.414	113.9	-71.49	-2.99825
Cd 226.502	-0.1794	ppb	0.1026	57.2	11.7369	-0.17945
Co 228.615	-0.8804	ppb	0.1682	19.1	-11.7545	-0.88036
Cr 267.716	0.3966	ppb	0.2608	65.8	13.7741	0.39662
Cu 324.754	-0.3617	ppb	0.2225	61.5	101.812	-0.36165
Fe 271.441	-3.6516	ppb	3.9145	107.2	-5.2765	-3.65164
K 766.491	-2.0615	ppb	0.1595	7.7	2097.40	-2.06154
Mg 279.078	-3.1399	ppb	3.7872	120.6	23.3975	-3.13991
Mn 257.610	-0.1245	ppb	0.1102	88.5	43.4243	-0.12449
Mo 202.032	1.3594	ppb	0.8889	65.4	3.8220	1.35936
Na 330.237	3.1244	ppb	91.3007	2922.2	-1.8782	3.12443
Ni 231.604	0.8441	ppb	0.6852	81.2	1.3416	0.84413
Pb 220.353	-3.0879	ppb	2.2821	73.9	0.1683	-3.08786
Sb 206.834	2.8048	ppb	1.7700	63.1	2.5583	2.80479
Se 196.026	-3.4787	ppb	8.3131	239.0	0.8506	-3.47872
Sn 189.925	-0.8552	ppb	1.0507	122.9	0.7397	-0.85515
Sr 216.596	-0.1926	ppb	0.2795	145.1	-6.8169	-0.19260
Ti 334.941	-0.1131	ppb	0.0893	79.0	-53.7375	-0.11313

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-0.3823	ppb	6.2120	1624.9	0.1828	-0.38230
V 292.401	0.0050	ppb	0.1303	2605.5	19.4811	0.00500
Zn 206.200	-0.0201	ppb	0.2117	1054.8	3.3435	-0.02007

mb 680-272197/1-a (Samp) **4/9/2013, 4:04:21 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5686	ppb	0.3911	68.8	-36.5411
Al 308.215	-5.8624	ppb	2.0159	34.4	19.8153
As 188.980	-0.5442	ppb	8.3518	1534.6	-0.8972
B 249.678	1.8397	ppb	0.6395	34.8	58.5716
Ba 389.178	-0.0560	ppb	0.6133	1094.4	-22.4066
Be 313.042	-0.1132	ppb	0.0092	8.1	-74.0404
Ca 370.602	-3.932	ppb	4.094	104.1	-75.18
Cd 226.502	-0.1147	ppb	0.1511	131.7	13.1361
Co 228.615	-0.8296	ppb	0.2094	25.2	-11.3422
Cr 267.716	0.2702	ppb	0.1189	44.0	11.7533
Cu 324.754	-0.5125	ppb	0.2094	40.9	96.4096
Fe 271.441	-2.8519	ppb	4.5110	158.2	-4.6964
K 766.491	-2.7888	ppb	0.3545	12.7	2007.02
Mg 279.078	-6.5264	ppb	2.3736	36.4	19.6497
Mn 257.610	-0.4877	ppb	0.0401	8.2	9.1009
Mo 202.032	1.1121	ppb	1.0034	90.2	2.9901
Na 330.237	56.4863	ppb	129.880	229.9	1.6192
Ni 231.604	0.3542	ppb	1.6408	463.3	-0.0532
Pb 220.353	-2.5836	ppb	2.0988	81.2	0.5877
Sb 206.834	2.2297	ppb	2.0665	92.7	2.1911
Se 196.026	-3.5646	ppb	6.8168	191.2	0.8281
Sn 189.925	-2.1008	ppb	2.9640	141.1	-0.0121
Sr 216.596	-0.1020	ppb	0.6376	625.2	-6.2525
Ti 334.941	-0.1366	ppb	0.0709	51.9	-58.7156
Tl 190.794	-0.4061	ppb	0.4363	107.4	0.1725
V 292.401	-0.3107	ppb	0.2105	67.7	10.8082
Zn 206.200	0.0971	ppb	0.1573	162.1	3.6926

lcs 680-272197/2-a (Samp) **4/9/2013, 4:09:47 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.1378	ppb	0.4203	3.8	317.026
Al 308.215	5035.33	ppb	3.1922	0.1	13943.9
As 188.980	98.8923	ppb	5.4897	5.6	33.3266
B 249.678	194.335	ppb	0.7460	0.4	1692.50
Ba 389.178	102.783	ppb	0.6705	0.7	1665.51
Be 313.042	52.9274	ppb	0.0716	0.1	80390.9
Ca 370.602	4946	ppb	9.684	0.2	17782
Cd 226.502	51.8682	ppb	0.2173	0.4	1146.45
Co 228.615	51.2759	ppb	0.3787	0.7	399.984
Cr 267.716	103.715	ppb	0.3701	0.4	1663.73
Cu 324.754	102.874	ppb	0.9752	0.9	3788.05
Fe 271.441	4938.97	ppb	2.8304	0.1	3640.28
K 766.491	4970.23	ppb	5.4264	0.1	620537

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	4930.37	ppb	5.7423	0.1	5462.88
Mn 257.610	535.187	ppb	0.7121	0.1	50640.3
Mo 202.032	99.6830	ppb	0.5034	0.5	334.111
Na 330.237	4712.55	ppb	37.0814	0.8	303.915
Ni 231.604	103.029	ppb	1.0753	1.0	292.969
Pb 220.353	49.2394	ppb	1.5605	3.2	42.7243
Sb 206.834	50.6987	ppb	4.0823	8.1	33.4858
Se 196.026	94.6972	ppb	6.4227	6.8	26.4463
Sn 189.925	192.417	ppb	1.9505	1.0	117.390
Sr 216.596	99.7968	ppb	1.1201	1.1	579.310
Ti 334.941	97.9978	ppb	0.2227	0.2	20703.3
Tl 190.794	36.5173	ppb	5.2659	14.4	16.3526
V 292.401	98.9183	ppb	0.1655	0.2	2772.23
Zn 206.200	102.068	ppb	1.3551	1.3	306.692

lcs 680-272197/3-a (Samp) **4/9/2013, 4:15:13 PM** **Rack 1, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	200.193	ppb	0.7221	0.4	6016.88
Al 308.215	2065.15	ppb	7.8741	0.4	5749.44
As 188.980	206.100	ppb	14.1244	6.9	70.0799
B 249.678	393.066	ppb	0.7614	0.2	3356.87
Ba 389.178	196.975	ppb	0.5662	0.3	3244.32
Be 313.042	213.627	ppb	0.2541	0.1	324081
Ca 370.602	20499	ppb	35.03	0.2	73791
Cd 226.502	208.000	ppb	0.4986	0.2	4551.44
Co 228.615	207.566	ppb	0.6676	0.3	1634.15
Cr 267.716	209.973	ppb	0.5247	0.2	3355.91
Cu 324.754	208.751	ppb	1.5792	0.8	7546.45
Fe 271.441	20868.8	ppb	55.0293	0.3	15387.4
K 766.491	20051.7	ppb	20.2341	0.1	2496384
Mg 279.078	20246.4	ppb	41.3098	0.2	22347.9
Mn 257.610	2152.28	ppb	2.7484	0.1	203486
Mo 202.032	204.207	ppb	0.9498	0.5	683.781
Na 330.237	18531.4	ppb	76.7764	0.4	1201.53
Ni 231.604	212.081	ppb	0.6928	0.3	605.094
Pb 220.353	199.004	ppb	1.0720	0.5	166.781
Sb 206.834	194.314	ppb	4.9893	2.6	126.358
Se 196.026	213.101	ppb	15.6919	7.4	57.4003
Sn 189.925	197.463	ppb	4.0227	2.0	120.409
Sr 216.596	212.687	ppb	1.0282	0.5	1246.40
Ti 334.941	199.785	ppb	0.3836	0.2	42249.2
Tl 190.794	35.9710	ppb	6.6505	18.5	15.6819
V 292.401	203.118	ppb	0.6003	0.3	5672.37
Zn 206.200	194.279	ppb	0.7990	0.4	581.270

680-88598-b-10-a (Samp) **4/9/2013, 4:20:40 PM** **Rack 1, Tube 6**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7635	ppb	0.3794	49.7	-42.4130
Al 308.215	69.9619	ppb	2.4221	3.5	229.152

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.7579	ppb	6.3552	361.5	-0.1861
B 249.678	9.1054	ppb	0.8376	9.2	120.478
Ba 389.178	20.2417	ppb	0.2031	1.0	312.967
Be 313.042	-0.0896	ppb	0.0040	4.5	-37.6995
Ca 370.602	6332	ppb	99.00	1.6	23878
Cd 226.502	-0.0723	ppb	0.1185	164.0	14.2142
Co 228.615	-0.2983	ppb	0.4418	148.1	-7.1122
Cr 267.716	0.2249	ppb	0.1335	59.4	11.0619
Cu 324.754	0.5931	ppb	0.1996	33.6	119.183
Fe 271.441	84.6307	ppb	12.5000	14.8	59.7974
K 766.491	1388.55	ppb	15.8369	1.1	175060
Mg 279.078	2841.60	ppb	33.2146	1.2	3169.73
Mn 257.610	9.0313	ppb	0.1883	2.1	915.623
Mo 202.032	0.1141	ppb	0.5479	480.2	-0.3804
Na 330.237	12115.7	ppb	203.439	1.7	791.933
Ni 231.604	1.0097	ppb	1.0864	107.6	1.9232
Pb 220.353	-2.0220	ppb	2.2585	111.7	1.0452
Sb 206.834	1.1370	ppb	2.1350	187.8	1.5586
Se 196.026	0.1870	ppb	8.0472	4303.5	1.8457
Sn 189.925	-2.1499	ppb	1.1763	54.7	-0.0617
Sr 216.596	36.1028	ppb	0.2630	0.7	207.308
Ti 334.941	1.2270	ppb	0.0767	6.3	235.827
Tl 190.794	-2.8366	ppb	1.9120	67.4	-0.9611
V 292.401	-0.0309	ppb	0.1850	598.2	18.6471
Zn 206.200	3.0983	ppb	0.1263	4.1	12.7095

680-88598-a-10-a (Samp) **4/9/2013, 4:26:07 PM** **Rack 1, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0353	ppb	0.4571	1294.7	-20.4629
Al 308.215	25.2245	ppb	3.5261	14.0	105.650
As 188.980	0.6919	ppb	3.2825	474.4	-0.5522
B 249.678	8.6088	ppb	0.6797	7.9	116.294
Ba 389.178	20.1447	ppb	0.6140	3.0	311.234
Be 313.042	-0.0893	ppb	0.0055	6.2	-37.4978
Ca 370.602	6225	ppb	90.75	1.5	23482
Cd 226.502	-0.1340	ppb	0.2036	152.0	12.8077
Co 228.615	-1.0333	ppb	0.0990	9.6	-12.9410
Cr 267.716	-0.1489	ppb	0.1314	88.2	5.1013
Cu 324.754	0.4728	ppb	0.0983	20.8	115.162
Fe 271.441	49.2372	ppb	3.1219	6.3	33.6861
K 766.491	1374.20	ppb	16.5301	1.2	173276
Mg 279.078	2776.05	ppb	42.1495	1.5	3097.35
Mn 257.610	8.4092	ppb	0.1219	1.4	856.640
Mo 202.032	1.6770	ppb	0.6380	38.0	4.8857
Na 330.237	11909.6	ppb	89.9769	0.8	778.449
Ni 231.604	1.7339	ppb	0.6800	39.2	3.9824
Pb 220.353	-0.2884	ppb	5.0866	1763.7	2.4858
Sb 206.834	3.6056	ppb	1.4505	40.2	3.1223
Se 196.026	-5.5026	ppb	10.3685	188.4	0.3667
Sn 189.925	-3.9260	ppb	4.7985	122.2	-1.1334
Sr 216.596	35.2891	ppb	0.4276	1.2	202.453
Ti 334.941	0.4352	ppb	0.0317	7.3	68.2851

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-5.2717	ppb	0.3343	6.3	-2.0375
V 292.401	-0.2973	ppb	0.4163	140.0	10.9726
Zn 206.200	4.7196	ppb	0.8475	18.0	17.5270

680-88598-b-11-a (Samp) **4/9/2013, 4:31:34 PM** **Rack 1, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2160	ppb	0.2230	103.2	-25.9164
Al 308.215	-4.7497	ppb	1.3532	28.5	22.8892
As 188.980	-0.2667	ppb	7.0736	2652.2	-0.8020
B 249.678	-0.9952	ppb	0.5051	50.8	34.3317
Ba 389.178	0.4638	ppb	0.6774	146.1	-13.9325
Be 313.042	-0.1133	ppb	0.0047	4.2	-74.3833
Ca 370.602	29.90	ppb	1.577	5.3	52.34
Cd 226.502	-0.1142	ppb	0.0271	23.7	13.1525
Co 228.615	-1.0455	ppb	0.2748	26.3	-13.0522
Cr 267.716	-0.0847	ppb	0.1040	122.7	6.0765
Cu 324.754	-0.2526	ppb	0.1408	55.7	105.634
Fe 271.441	-0.4287	ppb	6.9988	1632.6	-2.9230
K 766.491	-0.8518	ppb	0.2676	31.4	2247.85
Mg 279.078	1.5762	ppb	3.5522	225.4	28.6034
Mn 257.610	-0.3872	ppb	0.0262	6.8	18.6135
Mo 202.032	0.1660	ppb	0.7408	446.2	-0.1953
Na 330.237	260.996	ppb	65.0046	24.9	15.0213
Ni 231.604	0.4247	ppb	0.4431	104.3	0.1466
Pb 220.353	0.4621	ppb	3.4569	748.2	3.1110
Sb 206.834	4.6480	ppb	4.3755	94.1	3.7288
Se 196.026	0.0085	ppb	1.2884	15070.2	1.7568
Sn 189.925	-3.0650	ppb	2.1772	71.0	-0.5941
Sr 216.596	-0.1102	ppb	0.1937	175.8	-6.3073
Ti 334.941	-0.1778	ppb	0.0082	4.6	-67.4239
Tl 190.794	-3.1964	ppb	6.2573	195.8	-1.0625
V 292.401	-0.4505	ppb	0.1672	37.1	6.7978
Zn 206.200	-0.2834	ppb	0.3459	122.1	2.5627

680-88598-a-11-a (Samp) **4/9/2013, 4:37:02 PM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1591	ppb	0.4408	277.1	-24.2019
Al 308.215	-2.0446	ppb	2.1605	105.7	30.3529
As 188.980	-0.8812	ppb	6.2149	705.3	-1.0137
B 249.678	-0.6788	ppb	0.4875	71.8	37.0460
Ba 389.178	-0.1640	ppb	0.6768	412.8	-24.1434
Be 313.042	-0.0653	ppb	0.0117	18.0	-1.5914
Ca 370.602	28.90	ppb	2.282	7.9	48.56
Cd 226.502	-0.1488	ppb	0.1321	88.8	12.4063
Co 228.615	-0.9578	ppb	0.4530	47.3	-12.3573
Cr 267.716	0.0076	ppb	0.3220	4252.3	7.5536
Cu 324.754	2.1242	ppb	0.1430	6.7	190.767
Fe 271.441	0.8559	ppb	5.1610	603.0	-1.9538
K 766.491	0.7119	ppb	0.0756	10.6	2442.54

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-0.1140	ppb	4.2572	3735.2	26.7332
Mn 257.610	-0.3445	ppb	0.0358	10.4	22.6469
Mo 202.032	0.7354	ppb	0.6546	89.0	1.7217
Na 330.237	195.837	ppb	13.2651	6.8	10.7508
Ni 231.604	-0.2670	ppb	1.5972	598.1	-1.8246
Pb 220.353	-2.0495	ppb	3.3888	165.4	1.0299
Sb 206.834	2.2390	ppb	1.3521	60.4	2.2015
Se 196.026	-0.8915	ppb	3.3809	379.2	1.5229
Sn 189.925	-2.6230	ppb	0.9262	35.3	-0.3273
Sr 216.596	-0.2597	ppb	0.3317	127.7	-7.1623
Ti 334.941	-0.0490	ppb	0.0395	80.5	-40.1883
Tl 190.794	-2.9989	ppb	1.7393	58.0	-0.9743
V 292.401	-0.5265	ppb	0.1157	22.0	4.6768
Zn 206.200	0.4175	ppb	0.6292	150.7	4.6460

680-88598-b-13-a (Samp) **4/9/2013, 4:42:29 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0563	ppb	0.2656	472.0	-17.7457
Al 308.215	10.1033	ppb	2.4400	24.2	63.9060
As 188.980	-7.2925	ppb	2.0058	27.5	-3.4540
B 249.678	2.8169	ppb	0.8712	30.9	66.7281
Ba 389.178	62.0722	ppb	0.6836	1.1	995.552
Be 313.042	0.0071	ppb	0.0048	67.2	111.970
Ca 370.602	17804	ppb	22.99	0.1	67270
Cd 226.502	-0.1181	ppb	0.1628	137.8	13.3544
Co 228.615	5.9756	ppb	0.5169	8.6	42.4458
Cr 267.716	1.0104	ppb	0.4315	42.7	23.5931
Cu 324.754	0.5767	ppb	0.2909	50.4	87.8281
Fe 271.441	148.835	ppb	2.1376	1.4	107.409
K 766.491	2231.36	ppb	3.8422	0.2	279881
Mg 279.078	4091.82	ppb	2.3688	0.1	4552.42
Mn 257.610	7.5493	ppb	0.0632	0.8	778.799
Mo 202.032	0.9228	ppb	0.6534	70.8	2.3332
Na 330.237	13155.9	ppb	82.3780	0.6	860.145
Ni 231.604	1.8785	ppb	0.7605	40.5	4.4445
Pb 220.353	-2.8266	ppb	3.2627	115.4	0.3827
Sb 206.834	5.0619	ppb	2.9656	58.6	4.1598
Se 196.026	7.6811	ppb	7.3478	95.7	3.8352
Sn 189.925	-1.7538	ppb	0.7134	40.7	0.1352
Sr 216.596	80.9538	ppb	0.9032	1.1	471.995
Ti 334.941	0.3809	ppb	0.0109	2.9	69.2967
Tl 190.794	1.4562	ppb	2.4123	165.7	0.8416
V 292.401	0.1552	ppb	0.1661	107.0	23.7669
Zn 206.200	37.5526	ppb	0.2923	0.8	115.162

680-88598-b-13-aSD^5 (Samp) **4/9/2013, 4:47:57 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1444	ppb	0.6030	417.7	-15.0655
Al 308.215	-0.5973	ppb	1.7526	293.4	34.3356

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.7427	ppb	9.8637	566.0	-0.1569
B 249.678	0.4882	ppb	0.9618	197.0	46.9917
Ba 389.178	12.8713	ppb	1.2839	10.0	189.434
Be 313.042	-0.0911	ppb	0.0161	17.7	-39.9447
Ca 370.602	3682	ppb	232.1	6.3	13864
Cd 226.502	-0.1447	ppb	0.1027	71.0	12.5537
Co 228.615	0.8629	ppb	0.1217	14.1	2.0383
Cr 267.716	0.1633	ppb	0.2083	127.6	10.0430
Cu 324.754	-0.2622	ppb	0.1979	75.5	95.5287
Fe 271.441	30.7694	ppb	11.9652	38.9	20.1719
K 766.491	459.580	ppb	20.5976	4.5	59514.4
Mg 279.078	856.101	ppb	57.3266	6.7	973.711
Mn 257.610	1.2089	ppb	0.0910	7.5	171.592
Mo 202.032	-0.2123	ppb	0.5090	239.7	-1.4728
Na 330.237	2638.08	ppb	125.627	4.8	170.813
Ni 231.604	0.6956	ppb	0.3851	55.4	0.9521
Pb 220.353	-2.9273	ppb	5.3800	183.8	0.3028
Sb 206.834	3.4501	ppb	3.1554	91.5	3.0045
Se 196.026	6.6339	ppb	9.4598	142.6	3.4959
Sn 189.925	-4.7604	ppb	1.6198	34.0	-1.6301
Sr 216.596	15.9858	ppb	0.8635	5.4	88.6822
Ti 334.941	-0.0464	ppb	0.0629	135.7	-35.7996
Tl 190.794	-1.8095	ppb	3.1615	174.7	-0.4791
V 292.401	-0.4822	ppb	0.1560	32.4	6.0354
Zn 206.200	7.7128	ppb	0.3730	4.8	26.3593

680-88598-b-13-aPDS (Samp) **4/9/2013, 4:53:26 PM** **Rack 1, Tube 12**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.4988	ppb	0.7412	1.5	1501.49
Al 308.215	2073.54	ppb	2.7488	0.1	5796.27
As 188.980	2073.45	ppb	7.4393	0.4	713.682
B 249.678	1008.64	ppb	0.6188	0.1	8665.70
Ba 389.178	2194.51	ppb	2.5686	0.1	35687.3
Be 313.042	54.0446	ppb	0.0795	0.1	82290.7
Ca 370.602	22564	ppb	16.91	0.1	85219
Cd 226.502	53.0144	ppb	0.2452	0.5	1163.52
Co 228.615	540.655	ppb	0.4199	0.1	4271.59
Cr 267.716	215.397	ppb	0.4166	0.2	3450.22
Cu 324.754	266.305	ppb	1.1350	0.4	9585.81
Fe 271.441	1189.29	ppb	9.7446	0.8	903.108
K 766.491	7503.47	ppb	1.4207	0.0	935082
Mg 279.078	9245.23	ppb	18.5395	0.2	10248.2
Mn 257.610	561.364	ppb	0.6831	0.1	53129.8
Mo 202.032	525.887	ppb	1.6798	0.3	1768.69
Na 330.237	17955.9	ppb	79.1399	0.4	1167.80
Ni 231.604	527.726	ppb	3.1920	0.6	1503.86
Pb 220.353	514.667	ppb	4.7069	0.9	427.927
Sb 206.834	495.733	ppb	3.0888	0.6	312.107
Se 196.026	2043.11	ppb	16.6529	0.8	532.884
Sn 189.925	1032.94	ppb	3.1602	0.3	624.817
Sr 216.596	605.289	ppb	2.7349	0.5	3533.43
Ti 334.941	1016.70	ppb	0.8337	0.1	214986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	2110.00	ppb	5.8130	0.3	934.441
V 292.401	513.058	ppb	0.5462	0.1	14317.8
Zn 206.200	561.387	ppb	1.5971	0.3	1671.64

Cont Calib Verif (CCV) **4/9/2013, 4:58:53 PM** **Rack 1, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.478	ppb	1.8249	0.4	14939.5	99.29553
Al 308.215	5009.63	ppb	6.8665	0.1	14116.3	100.19263
As 188.980	504.611	ppb	2.7969	0.6	173.946	100.92220
B 249.678	508.056	ppb	0.6919	0.1	4378.97	20.32223Q
Ba 389.178	5126.88	ppb	6.8111	0.1	83391.5	102.53759
Be 313.042	515.255	ppb	0.9425	0.2	784149	103.05100
Ca 370.602	5038	ppb	10.82	0.2	18350	100.75086
Cd 226.502	513.370	ppb	0.3961	0.1	11116.7	102.67407
Co 228.615	513.393	ppb	1.6271	0.3	4052.63	102.67865
Cr 267.716	5179.93	ppb	6.9792	0.1	82828.6	103.59869
Cu 324.754	5041.48	ppb	53.4421	1.1	180616	100.82953
Fe 271.441	5015.34	ppb	4.4918	0.1	3753.76	100.30675
K 766.491	10014.7	ppb	21.7254	0.2	1246669	100.14693
Mg 279.078	4952.09	ppb	6.5215	0.1	5478.47	99.04178
Mn 257.610	5312.73	ppb	9.0081	0.2	502045	106.25464
Mo 202.032	500.187	ppb	1.5499	0.3	1673.68	100.03740
Na 330.237	7512.98	ppb	115.592	1.5	488.603	100.17300
Ni 231.604	2594.78	ppb	5.5403	0.2	7395.82	103.79131
Pb 220.353	504.339	ppb	2.8569	0.6	414.848	100.86778
Sb 206.834	928.975	ppb	4.2276	0.5	622.851	37.15901Q
Se 196.026	4899.58	ppb	16.6757	0.3	1275.85	97.99170
Sn 189.925	4955.83	ppb	11.1733	0.2	2992.28	99.11663
Sr 216.596	2523.06	ppb	7.3838	0.3	14754.1	100.92222
Ti 334.941	497.170	ppb	0.6451	0.1	105417	99.43391
Tl 190.794	5001.53	ppb	17.1899	0.3	2217.03	100.03059
V 292.401	4945.11	ppb	3.0674	0.1	138628	98.90216
Zn 206.200	2599.56	ppb	0.9989	0.0	7711.61	103.98242

Cont Calib Blank (CCB) **4/9/2013, 5:04:18 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4317	ppb	0.4581	106.1	-32.4152	-0.43171
Al 308.215	-5.4489	ppb	1.8051	33.1	20.9774	-5.44887
As 188.980	-5.4420	ppb	4.0623	74.6	-2.5853	-5.44196
B 249.678	1.5685	ppb	0.5933	37.8	56.2388	1.56853
Ba 389.178	0.2283	ppb	0.7973	349.2	-17.7691	0.22831
Be 313.042	-0.0869	ppb	0.0072	8.3	-34.1516	-0.08693
Ca 370.602	-5.011	ppb	2.074	41.4	-80.42	-5.01125
Cd 226.502	-0.0760	ppb	0.0665	87.5	13.9852	-0.07604
Co 228.615	-0.8029	ppb	0.3568	44.4	-11.1372	-0.80287
Cr 267.716	0.3352	ppb	0.1158	34.5	12.7886	0.33525
Cu 324.754	-0.0922	ppb	0.3982	431.8	111.469	-0.09223
Fe 271.441	4.4316	ppb	1.3044	29.4	0.6809	4.43159
K 766.491	-2.5060	ppb	0.2646	10.6	2042.21	-2.50601

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-9.7796	ppb	5.2820	54.0	16.0287	-9.77959
Mn 257.610	-0.1386	ppb	0.0563	40.6	42.0976	-0.13856
Mo 202.032	1.0227	ppb	0.6149	60.1	2.6878	1.02273
Na 330.237	-1.1621	ppb	20.9991	1807.0	-2.1631	-1.16209
Ni 231.604	0.6963	ppb	0.5478	78.7	0.9196	0.69628
Pb 220.353	-1.6344	ppb	1.6046	98.2	1.3736	-1.63442
Sb 206.834	4.9921	ppb	2.6240	52.6	3.9426	4.99210
Se 196.026	-1.0212	ppb	14.0983	1380.6	1.4890	-1.02120
Sn 189.925	-2.3514	ppb	5.0155	213.3	-0.1633	-2.35141
Sr 216.596	-1.0243	ppb	0.5513	53.8	-11.7020	-1.02427
Ti 334.941	-0.1267	ppb	0.0597	47.1	-56.6254	-0.12671
Tl 190.794	-1.7717	ppb	6.4858	366.1	-0.4314	-1.77170
V 292.401	-0.0467	ppb	0.1987	425.7	18.1317	-0.04669
Zn 206.200	-0.4408	ppb	0.4868	110.4	2.0939	-0.44080

680-88598-b-13-b ms (Samp) **4/9/2013, 5:09:43 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5386	ppb	0.3128	58.1	-35.6700
Al 308.215	4.9140	ppb	2.7360	55.7	49.5892
As 188.980	-1.9002	ppb	0.5627	29.6	-1.5950
B 249.678	2.5367	ppb	0.5314	20.9	64.3210
Ba 389.178	61.9166	ppb	0.8884	1.4	993.026
Be 313.042	0.0153	ppb	0.0063	41.1	124.438
Ca 370.602	17774	ppb	23.32	0.1	67154
Cd 226.502	-0.1719	ppb	0.1432	83.3	12.2002
Co 228.615	5.9366	ppb	0.0488	0.8	42.1345
Cr 267.716	0.8005	ppb	0.0306	3.8	20.2336
Cu 324.754	1.1280	ppb	0.0538	4.8	107.655
Fe 271.441	151.423	ppb	10.1063	6.7	109.311
K 766.491	2225.36	ppb	3.2040	0.1	279134
Mg 279.078	4084.62	ppb	12.3114	0.3	4544.45
Mn 257.610	7.5446	ppb	0.0302	0.4	778.352
Mo 202.032	1.1484	ppb	0.6245	54.4	3.0919
Na 330.237	12977.4	ppb	106.278	0.8	848.439
Ni 231.604	1.4952	ppb	0.8886	59.4	3.3522
Pb 220.353	-3.5492	ppb	3.0093	84.8	-0.2164
Sb 206.834	3.5039	ppb	3.0643	87.5	3.1747
Se 196.026	-8.4782	ppb	5.3434	63.0	-0.3639
Sn 189.925	-3.4271	ppb	3.8596	112.6	-0.8746
Sr 216.596	79.5771	ppb	0.2443	0.3	463.891
Ti 334.941	0.3864	ppb	0.0178	4.6	70.4442
Tl 190.794	-7.4749	ppb	7.7151	103.2	-3.1073
V 292.401	0.2569	ppb	0.1862	72.5	26.5584
Zn 206.200	36.9375	ppb	0.4114	1.1	113.333

680-88598-b-13-c msd (Samp) **4/9/2013, 5:15:09 PM** **Rack 1, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0963	ppb	0.5219	541.8	-16.5383
Al 308.215	6.2225	ppb	3.7682	60.6	53.1986

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.2419	ppb	7.3691	227.3	0.1739
B 249.678	1.6650	ppb	0.2369	14.2	56.8737
Ba 389.178	62.5554	ppb	1.0080	1.6	1003.52
Be 313.042	0.0049	ppb	0.0018	35.8	108.586
Ca 370.602	18022	ppb	491.1	2.7	68092
Cd 226.502	-0.0393	ppb	0.0633	161.1	15.0639
Co 228.615	6.6347	ppb	0.5972	9.0	47.6439
Cr 267.716	0.7853	ppb	0.2711	34.5	19.9931
Cu 324.754	0.2803	ppb	0.1176	42.0	76.6381
Fe 271.441	152.306	ppb	3.4092	2.2	109.970
K 766.491	2250.56	ppb	70.9753	3.2	282269
Mg 279.078	4151.05	ppb	98.0519	2.4	4617.93
Mn 257.610	7.5428	ppb	0.2496	3.3	778.326
Mo 202.032	0.9268	ppb	1.0974	118.4	2.3464
Na 330.237	13257.7	ppb	303.778	2.3	866.811
Ni 231.604	2.4588	ppb	1.7110	69.6	6.1010
Pb 220.353	-0.8359	ppb	1.7499	209.3	2.0316
Sb 206.834	1.4569	ppb	1.4473	99.3	1.8742
Se 196.026	6.3780	ppb	4.2034	65.9	3.4976
Sn 189.925	-0.5821	ppb	3.3414	574.1	0.8416
Sr 216.596	80.7701	ppb	2.0869	2.6	470.889
Ti 334.941	0.4499	ppb	0.0460	10.2	84.1012
Tl 190.794	-0.2104	ppb	1.3751	653.5	0.1022
V 292.401	0.0726	ppb	0.2098	288.8	21.3466
Zn 206.200	38.0286	ppb	0.9295	2.4	116.580

680-88598-b-13-d du (Samp) **4/9/2013, 5:20:35 PM** **Rack 1, Tube 17**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0160	ppb	0.6517	4073.5	-18.9621
Al 308.215	5.8914	ppb	0.4268	7.2	52.2935
As 188.980	2.2921	ppb	5.0045	218.3	-0.1650
B 249.678	2.3379	ppb	0.5178	22.1	62.6098
Ba 389.178	66.1893	ppb	0.4625	0.7	1063.00
Be 313.042	0.0108	ppb	0.0145	134.0	117.841
Ca 370.602	18917	ppb	16.76	0.1	71477
Cd 226.502	0.0209	ppb	0.2973	1424.7	16.3884
Co 228.615	6.8847	ppb	0.3564	5.2	49.6245
Cr 267.716	1.0134	ppb	0.2517	24.8	23.6365
Cu 324.754	0.4349	ppb	0.1173	27.0	79.7764
Fe 271.441	165.001	ppb	4.1156	2.5	119.356
K 766.491	2371.95	ppb	4.2714	0.2	297367
Mg 279.078	4356.21	ppb	9.3480	0.2	4844.82
Mn 257.610	8.0279	ppb	0.1069	1.3	824.681
Mo 202.032	0.4812	ppb	0.1667	34.7	0.8441
Na 330.237	13867.5	ppb	90.0396	0.6	906.776
Ni 231.604	2.1670	ppb	0.8554	39.5	5.2755
Pb 220.353	-2.8833	ppb	1.8538	64.3	0.3346
Sb 206.834	5.0659	ppb	1.9000	37.5	4.1728
Se 196.026	6.0771	ppb	3.1971	52.6	3.4237
Sn 189.925	-1.9518	ppb	1.0019	51.3	0.0118
Sr 216.596	84.7404	ppb	0.5402	0.6	494.336
Ti 334.941	0.5370	ppb	0.0917	17.1	103.484

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-9.6391	ppb	2.1623	22.4	-4.0735
V 292.401	0.3461	ppb	0.3003	86.8	29.0426
Zn 206.200	40.9764	ppb	0.7269	1.8	125.348

680-88598-a-13-a (Samp) **4/9/2013, 5:26:01 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1089	ppb	0.3870	355.3	-22.6916
Al 308.215	-1.8063	ppb	4.8024	265.9	31.0340
As 188.980	0.1836	ppb	7.1073	3871.4	-0.8774
B 249.678	2.1167	ppb	0.4975	23.5	61.0216
Ba 389.178	61.2573	ppb	0.5090	0.8	982.140
Be 313.042	-0.0145	ppb	0.0030	20.7	79.1354
Ca 370.602	17801	ppb	24.94	0.1	67284
Cd 226.502	-0.0502	ppb	0.0674	134.3	14.5271
Co 228.615	3.3817	ppb	0.5379	15.9	21.9525
Cr 267.716	-0.0972	ppb	0.2879	296.2	5.9560
Cu 324.754	0.1852	ppb	0.3481	188.0	73.7583
Fe 271.441	2.9691	ppb	3.4223	115.3	-0.2050
K 766.491	2244.80	ppb	0.9481	0.0	281552
Mg 279.078	4089.57	ppb	5.2387	0.1	4550.43
Mn 257.610	7.7477	ppb	0.0234	0.3	797.389
Mo 202.032	1.0715	ppb	0.1126	10.5	2.8521
Na 330.237	13128.9	ppb	128.356	1.0	858.441
Ni 231.604	2.5814	ppb	0.8431	32.7	6.4395
Pb 220.353	-0.1937	ppb	2.1093	1088.7	2.5669
Sb 206.834	2.4857	ppb	2.9338	118.0	2.5228
Se 196.026	-4.6901	ppb	6.3205	134.8	0.6230
Sn 189.925	-5.3906	ppb	2.5790	47.8	-2.0598
Sr 216.596	80.7938	ppb	0.8085	1.0	470.962
Ti 334.941	-0.1407	ppb	0.0521	37.0	-41.0401
Tl 190.794	-7.8856	ppb	3.6138	45.8	-3.2873
V 292.401	0.0306	ppb	0.1472	480.8	20.3018
Zn 206.200	33.7866	ppb	0.6986	2.1	103.967

mb 680-272071/1-a (Samp) **4/9/2013, 5:31:28 PM** **Rack 1, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1112	ppb	0.4809	432.4	-22.7662
Al 308.215	1.6140	ppb	1.3505	83.7	40.4415
As 188.980	-1.8782	ppb	3.0139	160.5	-1.3572
B 249.678	-0.1027	ppb	1.1214	1091.9	41.9191
Ba 389.178	-0.1649	ppb	0.7190	435.9	-24.1364
Be 313.042	-0.1125	ppb	0.0045	4.0	-73.0692
Ca 370.602	13.62	ppb	0.9269	6.8	-13.16
Cd 226.502	0.0936	ppb	0.1588	169.7	17.6855
Co 228.615	-0.8916	ppb	0.2675	30.0	-11.8258
Cr 267.716	0.7569	ppb	0.1066	14.1	19.5258
Cu 324.754	-0.5362	ppb	0.1211	22.6	95.5172
Fe 271.441	23.0839	ppb	5.9882	25.9	14.4108
K 766.491	18.0237	ppb	0.2416	1.3	4595.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	3.8611	ppb	4.6516	120.5	31.0570
Mn 257.610	-0.2383	ppb	0.0135	5.7	32.7151
Mo 202.032	0.5065	ppb	0.9065	179.0	0.9482
Na 330.237	64.5105	ppb	131.095	203.2	2.1321
Ni 231.604	-0.0238	ppb	1.2361	5192.6	-1.1327
Pb 220.353	-2.0751	ppb	4.6044	221.9	1.0084
Sb 206.834	5.6406	ppb	4.9858	88.4	4.3215
Se 196.026	7.6133	ppb	5.0665	66.5	3.7325
Sn 189.925	19.8366	ppb	1.5499	7.8	13.2275
Sr 216.596	-0.3148	ppb	0.1854	58.9	-7.4755
Ti 334.941	0.1522	ppb	0.0203	13.4	2.3786
Tl 190.794	-2.3902	ppb	4.1768	174.7	-0.7056
V 292.401	-0.4238	ppb	0.0737	17.4	7.6985
Zn 206.200	0.4585	ppb	0.2201	48.0	4.7662

lcs 680-272071/2-a (Samp) **4/9/2013, 5:36:55 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.7580	ppb	0.4687	5.4	245.336
Al 308.215	5059.58	ppb	18.8944	0.4	14010.9
As 188.980	98.2706	ppb	7.1795	7.3	33.1117
B 249.678	185.706	ppb	0.9939	0.5	1618.53
Ba 389.178	104.419	ppb	0.2733	0.3	1692.28
Be 313.042	52.7547	ppb	0.1419	0.3	80129.7
Ca 370.602	5057	ppb	13.54	0.3	18183
Cd 226.502	52.6787	ppb	0.1402	0.3	1164.16
Co 228.615	51.9742	ppb	0.4341	0.8	405.481
Cr 267.716	106.478	ppb	0.7522	0.7	1707.87
Cu 324.754	104.283	ppb	0.1905	0.2	3838.26
Fe 271.441	5039.41	ppb	31.8938	0.6	3714.35
K 766.491	5043.62	ppb	13.9744	0.3	629666
Mg 279.078	4947.75	ppb	21.4434	0.4	5481.77
Mn 257.610	545.101	ppb	0.8941	0.2	51577.2
Mo 202.032	102.567	ppb	0.1527	0.1	343.806
Na 330.237	4591.10	ppb	135.669	3.0	295.892
Ni 231.604	103.874	ppb	0.3569	0.3	295.381
Pb 220.353	49.4983	ppb	2.1542	4.4	42.9285
Sb 206.834	50.8849	ppb	1.4683	2.9	33.5604
Se 196.026	99.0676	ppb	14.8701	15.0	27.5826
Sn 189.925	219.021	ppb	5.2065	2.4	133.446
Sr 216.596	101.387	ppb	0.3517	0.3	588.643
Ti 334.941	100.608	ppb	0.1900	0.2	21255.4
Tl 190.794	32.6713	ppb	2.3680	7.2	14.6483
V 292.401	100.359	ppb	0.0792	0.1	2811.89
Zn 206.200	102.634	ppb	1.0743	1.0	308.367

lcs 680-272071/3-a (Samp) **4/9/2013, 5:42:22 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	26.6316	ppb	0.6207	2.3	784.719
Al 308.215	10280.4	ppb	25.1837	0.2	28431.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	203.421	ppb	1.0873	0.5	69.3017
B 249.678	376.492	ppb	1.2792	0.3	3237.32
Ba 389.178	211.787	ppb	0.6253	0.3	3454.42
Be 313.042	106.356	ppb	0.1292	0.1	161447
Ca 370.602	10330	ppb	14.56	0.1	37221
Cd 226.502	106.401	ppb	0.4059	0.4	2335.51
Co 228.615	105.151	ppb	0.9635	0.9	825.262
Cr 267.716	213.598	ppb	0.6271	0.3	3418.49
Cu 324.754	209.869	ppb	0.9254	0.4	7607.89
Fe 271.441	10206.5	ppb	8.5363	0.1	7525.44
K 766.491	10149.0	ppb	7.0576	0.1	1264661
Mg 279.078	10050.5	ppb	31.4218	0.3	11107.7
Mn 257.610	1093.22	ppb	1.4202	0.1	103385
Mo 202.032	206.000	ppb	0.9553	0.5	691.260
Na 330.237	9427.26	ppb	281.961	3.0	609.864
Ni 231.604	209.920	ppb	1.3889	0.7	598.032
Pb 220.353	98.5458	ppb	1.7405	1.8	82.7359
Sb 206.834	96.4191	ppb	1.4403	1.5	63.0012
Se 196.026	197.662	ppb	4.0794	2.1	53.2883
Sn 189.925	425.556	ppb	5.3553	1.3	258.100
Sr 216.596	205.088	ppb	1.3198	0.6	1196.54
Ti 334.941	202.764	ppb	0.3910	0.2	42868.5
Tl 190.794	73.0402	ppb	2.1387	2.9	32.3434
V 292.401	204.474	ppb	0.2791	0.1	5709.57
Zn 206.200	208.386	ppb	0.4887	0.2	622.602

CRI (Samp) **4/9/2013, 5:47:49 PM** **Rack 1, Tube 22**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.5907	ppb	0.5062	5.3	269.551
Al 308.215	209.436	ppb	4.4628	2.1	614.920
As 188.980	21.6373	ppb	2.4666	11.4	6.7377
B 249.678	98.0179	ppb	0.8953	0.9	880.466
Ba 389.178	10.8975	ppb	0.5133	4.7	156.839
Be 313.042	4.2444	ppb	0.0423	1.0	6537.47
Ca 370.602	519.4	ppb	5.375	1.0	1897
Cd 226.502	5.2382	ppb	0.1310	2.5	128.894
Co 228.615	10.0890	ppb	0.4032	4.0	74.8506
Cr 267.716	10.6696	ppb	0.0474	0.4	178.015
Cu 324.754	20.7014	ppb	0.2894	1.4	855.060
Fe 271.441	48.6746	ppb	1.9798	4.1	33.8607
K 766.491	1068.58	ppb	9.7530	0.9	135264
Mg 279.078	515.200	ppb	4.3535	0.8	596.552
Mn 257.610	11.0445	ppb	0.0821	0.7	1100.16
Mo 202.032	11.0369	ppb	1.4538	13.2	36.3817
Na 330.237	964.169	ppb	51.1125	5.3	61.0462
Ni 231.604	43.1549	ppb	0.6640	1.5	121.933
Pb 220.353	8.7982	ppb	1.5551	17.7	9.9701
Sb 206.834	25.4929	ppb	3.5925	14.1	16.9100
Se 196.026	22.8653	ppb	7.4383	32.5	7.7037
Sn 189.925	48.5262	ppb	4.7195	9.7	30.5428
Sr 216.596	9.6846	ppb	0.3295	3.4	49.7119
Ti 334.941	9.9928	ppb	0.0980	1.0	2084.25

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	19.1565	ppb	0.8751	4.6	8.8362
V 292.401	9.8345	ppb	0.1416	1.4	293.054
Zn 206.200	21.0856	ppb	0.5538	2.6	66.0604

ICSA (Samp) **4/9/2013, 5:53:17 PM** **Rack 1, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3203	ppb	0.5357	167.2	-46.2605
Al 308.215	553841	ppb	842.326	0.2	1529050
As 188.980	-18.6968	ppb	8.4120	45.0	-13.8736
B 249.678	13.3508	ppb	0.6953	5.2	-277.602
Ba 389.178	0.3479	ppb	1.0410	299.2	1182.96
Be 313.042	-0.1717	ppb	0.0068	4.0	-3.5836
Ca 370.602	502512	ppb	674.9	0.1	1866281
Cd 226.502	1.9628	ppb	0.3175	16.2	482.358
Co 228.615	-0.1651	ppb	0.3155	191.1	-2.9226
Cr 267.716	-0.1869	ppb	0.5614	300.3	-96.3235
Cu 324.754	3.4948	ppb	0.0568	1.6	-989.005
Fe 271.441	191530	ppb	229.311	0.1	141142
K 766.491	0.6358	ppb	0.2062	32.4	2406.47
Mg 279.078	537911	ppb	547.345	0.1	594379
Mn 257.610	1.3405	ppb	0.0255	1.9	1721.71
Mo 202.032	-0.9550	ppb	1.6696	174.8	-21.0312
Na 330.237	242.108	ppb	131.635	54.4	-76.2973
Ni 231.604	6.1856	ppb	0.8176	13.2	47.9720
Pb 220.353	-2.0611	ppb	11.5876	562.2	-58.9667
Sb 206.834	-1.4162	ppb	6.0613	428.0	9.1625
Se 196.026	2.7246	ppb	5.1964	190.7	6.9629
Sn 189.925	-2.5118	ppb	8.3432	332.2	-2.0729
Sr 216.596	-1.4022	ppb	0.6444	46.0	103.127
Ti 334.941	6.0705	ppb	0.0334	0.5	1838.43
Tl 190.794	-8.5267	ppb	4.3077	50.5	-21.0448
V 292.401	0.2873	ppb	0.2289	79.7	68.7787
Zn 206.200	8.2895	ppb	0.4915	5.9	50.1653

ICSAB (Samp) **4/9/2013, 5:58:45 PM** **Rack 1, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	221.986	ppb	5.6113	2.5	6634.53
Al 308.215	568698	ppb	11256.7	2.0	1570115
As 188.980	94.6262	ppb	2.9052	3.1	25.1343
B 249.678	13.4164	ppb	1.6858	12.6	-287.669
Ba 389.178	530.987	ppb	11.4331	2.2	9854.48
Be 313.042	519.164	ppb	9.2505	1.8	787562
Ca 370.602	515442	ppb	9252	1.8	1914324
Cd 226.502	1014.27	ppb	19.1129	1.9	22362.6
Co 228.615	500.082	ppb	9.6904	1.9	3928.94
Cr 267.716	521.676	ppb	8.0021	1.5	8243.96
Cu 324.754	577.536	ppb	11.1526	1.9	19549.0
Fe 271.441	196449	ppb	3389.79	1.7	144794
K 766.491	1.9668	ppb	0.3582	18.2	2432.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	554000	ppb	10161.7	1.8	612157
Mn 257.610	530.179	ppb	9.7942	1.8	51733.1
Mo 202.032	1095.72	ppb	18.9739	1.7	3669.80
Na 330.237	220.769	ppb	147.762	66.9	-78.3818
Ni 231.604	989.043	ppb	19.4269	2.0	2849.11
Pb 220.353	39.0974	ppb	8.8605	22.7	-28.5220
Sb 206.834	603.792	ppb	10.1899	1.7	395.688
Se 196.026	71.2192	ppb	9.1839	12.9	24.9896
Sn 189.925	1031.60	ppb	14.6285	1.4	621.979
Sr 216.596	-1.6938	ppb	1.3898	82.1	49.8932
Ti 334.941	-0.1031	ppb	0.0411	39.8	579.920
Tl 190.794	81.8540	ppb	13.4629	16.4	18.6655
V 292.401	504.813	ppb	9.7865	1.9	13967.1
Zn 206.200	988.949	ppb	15.7193	1.6	2963.84

Cont Calib Verif (CCV) **4/9/2013, 6:04:11 PM** **Rack 1, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.646	ppb	2.5768	0.5	14914.4	99.12917
Al 308.215	5017.31	ppb	9.8347	0.2	14137.1	100.34618
As 188.980	488.840	ppb	10.6509	2.2	168.511	97.76802
B 249.678	507.260	ppb	0.7341	0.1	4372.13	20.29039Q
Ba 389.178	5128.25	ppb	7.6884	0.1	83413.9	102.56508
Be 313.042	516.071	ppb	1.7810	0.3	785382	103.21425
Ca 370.602	5057	ppb	3.037	0.1	18419	101.13599
Cd 226.502	513.646	ppb	0.7887	0.2	11122.7	102.72929
Co 228.615	514.014	ppb	1.6340	0.3	4057.56	102.80278
Cr 267.716	5197.47	ppb	7.1652	0.1	83109.1	103.94939
Cu 324.754	5070.17	ppb	12.7939	0.3	181644	101.40343
Fe 271.441	5038.79	ppb	6.3649	0.1	3770.96	100.77585
K 766.491	10014.8	ppb	20.2102	0.2	1246682	100.14791
Mg 279.078	4975.12	ppb	15.3060	0.3	5503.87	99.50249
Mn 257.610	5324.96	ppb	8.3052	0.2	503201	106.49929
Mo 202.032	497.513	ppb	2.5779	0.5	1664.69	99.50267
Na 330.237	7509.16	ppb	136.421	1.8	488.342	100.12219
Ni 231.604	2588.79	ppb	4.7751	0.2	7378.77	103.55175
Pb 220.353	491.951	ppb	3.7224	0.8	404.581	98.39014
Sb 206.834	932.781	ppb	4.4435	0.5	625.333	37.31125Q
Se 196.026	4908.92	ppb	27.9085	0.6	1278.28	98.17838
Sn 189.925	4957.17	ppb	7.8062	0.2	2993.08	99.14334
Sr 216.596	2521.07	ppb	4.8910	0.2	14742.7	100.84291
Ti 334.941	497.308	ppb	1.2482	0.3	105447	99.46169
Tl 190.794	4992.73	ppb	9.0561	0.2	2213.13	99.85454
V 292.401	4936.10	ppb	14.3015	0.3	138375	98.72205
Zn 206.200	2601.31	ppb	5.8025	0.2	7716.82	104.05259

Cont Calib Blank (CCB) **4/9/2013, 6:09:36 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0147	ppb	0.1714	1168.7	-18.9656	0.01467
Al 308.215	0.3917	ppb	6.5389	1669.4	37.0876	0.39169

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	-0.5936	ppb	3.6016	606.8	-0.9143	-0.59357
B 249.678	0.8785	ppb	0.5925	67.4	50.3430	0.87851
Ba 389.178	-0.1766	ppb	0.6909	391.1	-24.3390	-0.17664
Be 313.042	-0.0677	ppb	0.0140	20.7	-5.0789	-0.06773
Ca 370.602	4.056	ppb	6.891	169.9	-46.51	4.05604
Cd 226.502	-0.0911	ppb	0.2011	220.8	13.6641	-0.09111
Co 228.615	-0.7277	ppb	0.1940	26.7	-10.5360	-0.72772
Cr 267.716	0.1076	ppb	0.4082	379.3	9.1480	0.10762
Cu 324.754	-0.1790	ppb	0.1925	107.6	108.333	-0.17896
Fe 271.441	6.0970	ppb	7.3004	119.7	1.9116	6.09702
K 766.491	-2.5572	ppb	0.3462	13.5	2035.93	-2.55720
Mg 279.078	4.5001	ppb	5.8602	130.2	31.8165	4.50011
Mn 257.610	-0.0914	ppb	0.1120	122.5	46.5773	-0.09140
Mo 202.032	0.9163	ppb	0.7926	86.5	2.3296	0.91633
Na 330.237	57.7735	ppb	68.4966	118.6	1.6986	57.77348
Ni 231.604	-0.0166	ppb	1.8538	11198.7	-1.1133	-0.01655
Pb 220.353	-1.6033	ppb	4.4382	276.8	1.3994	-1.60327
Sb 206.834	4.3262	ppb	2.1736	50.2	3.5236	4.32622
Se 196.026	4.5273	ppb	3.6240	80.0	2.9309	4.52728
Sn 189.925	-3.8139	ppb	4.3366	113.7	-1.0460	-3.81390
Sr 216.596	-0.6825	ppb	0.8375	122.7	-9.6554	-0.68251
Ti 334.941	-0.0980	ppb	0.0057	5.8	-50.5604	-0.09800
Tl 190.794	-6.6922	ppb	3.9506	59.0	-2.6066	-6.69223
V 292.401	-0.1834	ppb	0.2260	123.3	14.3966	-0.18338
Zn 206.200	-0.1766	ppb	0.2529	143.2	2.8801	-0.17661

680-89004-b-1-a (Samp) **4/9/2013, 6:15:02 PM** **Rack 1, Tube 27**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.0544	ppb	0.3462	11.3	-40.1508
Al 308.215	176133	ppb	422.726	0.2	486295
As 188.980	44.5461	ppb	4.9802	11.2	14.3406
B 249.678	41.6131	ppb	0.6061	1.5	-50.6436
Ba 389.178	987.494	ppb	3.7870	0.4	16283.0
Be 313.042	7.5299	ppb	0.0254	0.3	11704.1
Ca 370.602	9263	ppb	17.21	0.2	-421.4
Cd 226.502	-1.1498	ppb	0.3627	31.5	405.322
Co 228.615	230.850	ppb	1.4510	0.6	1838.16
Cr 267.716	235.206	ppb	0.9389	0.4	3693.78
Cu 324.754	78.0034	ppb	0.7099	0.9	2961.20
Fe 271.441	200030	ppb	794.946	0.4	147418
K 766.491	14822.0	ppb	38.1488	0.3	1845687
Mg 279.078	10290.8	ppb	7.2211	0.1	10690.5
Mn 257.610	26369.6	ppb	158.673	0.6	2491809
Mo 202.032	6.7573	ppb	1.0182	15.1	-1.4961
Na 330.237	441.382	ppb	18.8338	4.3	-75.1001
Ni 231.604	122.035	ppb	1.9882	1.6	358.719
Pb 220.353	210.355	ppb	1.6290	0.8	156.893
Sb 206.834	4.0343	ppb	2.6349	65.3	8.3985
Se 196.026	9.0144	ppb	8.6106	95.5	6.1445
Sn 189.925	25.5974	ppb	5.8405	22.8	16.9865
Sr 216.596	77.1544	ppb	0.7552	1.0	538.708
Ti 334.941	1168.29	ppb	3.6433	0.3	247039

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-23.4752	ppb	3.6652	15.6	-18.3849
V 292.401	312.580	ppb	0.6025	0.2	8790.26
Zn 206.200	277.610	ppb	1.7500	0.6	832.723

680-89004-b-2-a (Samp) **4/9/2013, 6:20:28 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7183b	ppb	0.4012	23.4	27.7635
Al 308.215	247602b	ppb	1567.33	0.6	683594
As 188.980	27.4490b	ppb	7.1210	25.9	8.2767
B 249.678	78.1086b	ppb	2.0521	2.6	-3.5662
Ba 389.178	1628.53b	ppb	9.3200	0.6	26853.5
Be 313.042	7.8549b	ppb	0.0507	0.6	12221.6
Ca 370.602	12727b	ppb	29.50	0.2	-8315
Cd 226.502	-1.7360b	ppb	0.4324	24.9	634.439
Co 228.615	329.039b	ppb	3.4171	1.0	2616.64
Cr 267.716	267.620b	ppb	2.2386	0.8	4163.37
Cu 324.754	152.210b	ppb	1.7670	1.2	5661.94
Fe 271.441	317648b	ppb	1673.67	0.5	234100
K 766.491	30040.4b	ppb	119.609	0.4	3738427
Mg 279.078	17506.4b	ppb	120.882	0.7	18255.4
Mn 257.610	37945.8xb	ppb	133.855	0.4	3585725
Mo 202.032	5.8778b	ppb	1.8555	31.6	-18.4162
Na 330.237	605.299b	ppb	27.7438	4.6	-120.117
Ni 231.604	159.305b	ppb	5.1013	3.2	472.060
Pb 220.353	293.956b	ppb	6.9993	2.4	217.847
Sb 206.834	-1.6735b	ppb	4.8833	291.8	7.9219
Se 196.026	6.9997b	ppb	15.6095	223.0	6.0222
Sn 189.925	24.4412b	ppb	1.6241	6.6	16.3106
Sr 216.596	132.371b	ppb	2.3805	1.8	917.460
Ti 334.941	1226.55b	ppb	6.7853	0.6	259371
Tl 190.794	-30.2747b	ppb	8.4145	27.8	-26.5584
V 292.401	352.181b	ppb	2.5189	0.7	9902.49
Zn 206.200	243.325b	ppb	1.4911	0.6	733.673

680-89004-b-3-a (Samp) **4/9/2013, 6:25:54 PM** **Rack 1, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1480b	ppb	0.8302	72.3	-106.231
Al 308.215	271688b	ppb	21773.2	8.0	750093
As 188.980	-2.2363b	ppb	1.0778	48.2	-1.7855
B 249.678	143.298b	ppb	6.7145	4.7	630.466
Ba 389.178	404.575b	ppb	34.3439	8.5	6923.70
Be 313.042	8.4148b	ppb	0.6942	8.3	13042.2
Ca 370.602	4601b	ppb	731.5	15.9	-33439
Cd 226.502	-1.7492b	ppb	2.1972	125.6	562.014
Co 228.615	35.3842b	ppb	2.5147	7.1	303.853
Cr 267.716	374.244b	ppb	29.5404	7.9	5844.47
Cu 324.754	151.620b	ppb	12.5834	8.3	5645.14
Fe 271.441	281119b	ppb	22509.8	8.0	207166
K 766.491	44375.2xb	ppb	2959.00	6.7	5521751

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	25364.2b	ppb	1913.84	7.5	27131.6
Mn 257.610	1098.01b	ppb	87.1281	7.9	104192
Mo 202.032	-0.0754b	ppb	1.3844	1836.7	-33.4486
Na 330.237	254.715b	ppb	351.924	138.2	-129.816
Ni 231.604	142.588b	ppb	13.2204	9.3	422.778
Pb 220.353	30.9972b	ppb	7.2556	23.4	-2.4172
Sb 206.834	0.3265b	ppb	9.6490	2955.1	8.3536
Se 196.026	11.4767b	ppb	7.3942	64.4	1.3133
Sn 189.925	26.1727b	ppb	4.5061	17.2	17.5108
Sr 216.596	39.4801b	ppb	4.2027	10.6	354.373
Ti 334.941	1769.39b	ppb	141.562	8.0	374147
Tl 190.794	-1.8401b	ppb	1.0304	56.0	-12.8876
V 292.401	288.176b	ppb	22.7372	7.9	8168.43
Zn 206.200	248.572b	ppb	19.1583	7.7	748.318

680-89004-b-4-a (Samp) **4/9/2013, 6:32:43 PM** **Rack 1, Tube 30**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.6494	ppb	0.9309	16.5	-274.114
Al 308.215	218749	ppb	160.107	0.1	603916
As 188.980	44.8055	ppb	2.3056	5.1	14.1722
B 249.678	74.4530	ppb	0.6592	0.9	-484.298
Ba 389.178	866.805	ppb	0.6093	0.1	14679.5
Be 313.042	14.9769	ppb	0.0049	0.0	23006.9
Ca 370.602	3108	ppb	23.21	0.7	-81268
Cd 226.502	-3.7733	ppb	0.4252	11.3	983.335
Co 228.615	41.1143	ppb	0.2032	0.5	338.536
Cr 267.716	316.608	ppb	1.2128	0.4	4798.74
Cu 324.754	305.914	ppb	1.7618	0.6	11285.5
Fe 271.441	513277	ppb	197.367	0.0	378251
K 766.491	23015.3	ppb	13.0067	0.1	2864818
Mg 279.078	12598.1	ppb	33.1151	0.3	12224.7
Mn 257.610	2368.23	ppb	0.7253	0.0	224423
Mo 202.032	2.4080	ppb	1.3179	54.7	-55.0191
Na 330.237	-102.666	ppb	30.5651	29.8	-254.741
Ni 231.604	222.414	ppb	0.7008	0.3	663.375
Pb 220.353	170.581	ppb	4.4899	2.6	117.559
Sb 206.834	-5.8136	ppb	9.1081	156.7	11.3079
Se 196.026	2.1944	ppb	8.0157	365.3	-5.0400
Sn 189.925	23.8403	ppb	3.5945	15.1	15.8962
Sr 216.596	375.719	ppb	0.9070	0.2	2436.84
Ti 334.941	718.664	ppb	0.3181	0.0	151976
Tl 190.794	-6.8194	ppb	8.0602	118.2	-24.3327
V 292.401	323.787	ppb	0.3045	0.1	9207.66
Zn 206.200	285.610	ppb	0.3650	0.1	863.644

680-89004-b-5-a (Samp) **4/9/2013, 6:38:09 PM** **Rack 1, Tube 31**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7339b	ppb	0.4537	16.6	-143.733
Al 308.215	255993b	ppb	219.549	0.1	706754

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	17.4775b	ppb	6.2423	35.7	4.9691
B 249.678	148.272b	ppb	1.0546	0.7	601.051
Ba 389.178	538.597b	ppb	1.0290	0.2	9158.00
Be 313.042	13.0911b	ppb	0.0220	0.2	20074.9
Ca 370.602	1697b	ppb	23.87	1.4	-50127
Cd 226.502	-2.3191b	ppb	0.2412	10.4	614.419
Co 228.615	124.599b	ppb	0.6603	0.5	1018.28
Cr 267.716	294.305b	ppb	0.9400	0.3	4554.79
Cu 324.754	196.570b	ppb	0.9134	0.5	7276.36
Fe 271.441	313646b	ppb	503.129	0.2	231139
K 766.491	49423.7xb	ppb	72.7722	0.1	6149656
Mg 279.078	35460.7b	ppb	34.7491	0.1	38182.7
Mn 257.610	5404.01b	ppb	9.4254	0.2	511108
Mo 202.032	0.3665b	ppb	0.8808	240.3	-36.0855
Na 330.237	375.953b	ppb	115.819	30.8	-141.779
Ni 231.604	278.406b	ppb	1.0273	0.4	812.023
Pb 220.353	44.2384b	ppb	10.5541	23.9	10.0947
Sb 206.834	0.0929b	ppb	11.1758	12036.2	7.3642
Se 196.026	5.0191b	ppb	10.7024	213.2	-0.1112
Sn 189.925	20.9731b	ppb	2.1337	10.2	14.5522
Sr 216.596	28.6431b	ppb	1.1670	4.1	300.050
Ti 334.941	2445.74b	ppb	2.8890	0.1	517152
Tl 190.794	-6.2765b	ppb	4.3041	68.6	-15.4854
V 292.401	197.655b	ppb	0.1711	0.1	5632.73
Zn 206.200	380.667b	ppb	2.5791	0.7	1142.35

680-89004-b-6-a (Samp) **4/9/2013, 6:43:36 PM** **Rack 1, Tube 32**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.4272	ppb	0.3158	5.8	-187.685
Al 308.215	270433	ppb	231.770	0.1	746621
As 188.980	17.1100	ppb	4.3101	25.2	4.8200
B 249.678	70.7066	ppb	1.2186	1.7	-85.4177
Ba 389.178	616.147	ppb	2.3286	0.4	10401.8
Be 313.042	12.5742	ppb	0.0147	0.1	19342.5
Ca 370.602	2788	ppb	23.97	0.9	-47854
Cd 226.502	-2.1018	ppb	0.1129	5.4	641.205
Co 228.615	144.295	ppb	0.4314	0.3	1151.90
Cr 267.716	248.454	ppb	0.2960	0.1	3823.59
Cu 324.754	145.006	ppb	0.5293	0.4	5438.37
Fe 271.441	324256	ppb	497.844	0.2	238960
K 766.491	30700.3	ppb	47.8932	0.2	3820770
Mg 279.078	19482.1	ppb	14.6821	0.1	20459.5
Mn 257.610	13307.4	ppb	8.5269	0.1	1257803
Mo 202.032	1.8352	ppb	1.2721	69.3	-32.4367
Na 330.237	371.969	ppb	96.4712	25.9	-135.427
Ni 231.604	218.333	ppb	1.0643	0.5	640.857
Pb 220.353	103.493	ppb	2.0257	2.0	57.5901
Sb 206.834	1.8467	ppb	4.5972	248.9	10.7164
Se 196.026	6.0935	ppb	17.0417	279.7	1.3237
Sn 189.925	18.9535	ppb	4.0742	21.5	12.9434
Sr 216.596	65.7047	ppb	0.6387	1.0	525.663
Ti 334.941	838.503	ppb	1.0018	0.1	177308

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-9.9310	ppb	2.8145	28.3	-18.5577
V 292.401	284.281	ppb	0.5608	0.2	8042.26
Zn 206.200	416.539	ppb	0.8272	0.2	1248.86

680-89004-b-7-a (Samp) **4/9/2013, 6:49:04 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3560	ppb	0.8253	24.6	-120.350
Al 308.215	189344	ppb	173.612	0.1	522766
As 188.980	0.5239	ppb	5.4387	1038.1	-0.7274
B 249.678	64.1509	ppb	0.4971	0.8	229.698
Ba 389.178	708.452	ppb	0.9535	0.1	11721.0
Be 313.042	7.6352	ppb	0.0103	0.1	11779.9
Ca 370.602	2396	ppb	11.13	0.5	-19635
Cd 226.502	-1.0807	ppb	0.3840	35.5	327.738
Co 228.615	119.030	ppb	0.5763	0.5	966.353
Cr 267.716	176.881	ppb	0.3581	0.2	2762.10
Cu 324.754	74.1044	ppb	0.8329	1.1	2820.85
Fe 271.441	160433	ppb	154.632	0.1	118232
K 766.491	27300.9	ppb	4.3569	0.0	3397920
Mg 279.078	21660.6	ppb	15.5393	0.1	23430.4
Mn 257.610	8502.79	ppb	5.8595	0.1	803684
Mo 202.032	0.2824	ppb	0.9396	332.7	-17.8681
Na 330.237	202.485	ppb	98.7167	48.8	-78.3409
Ni 231.604	189.404	ppb	1.7131	0.9	548.870
Pb 220.353	41.7749	ppb	4.4685	10.7	16.0730
Sb 206.834	5.6658	ppb	3.4846	61.5	6.6537
Se 196.026	0.7504	ppb	12.9924	1731.3	1.5787
Sn 189.925	23.4941	ppb	2.0925	8.9	15.9469
Sr 216.596	67.0536	ppb	0.9153	1.4	458.770
Ti 334.941	2044.23	ppb	1.6793	0.1	432240
Tl 190.794	-15.4955	ppb	2.8505	18.4	-13.1400
V 292.401	163.685	ppb	0.1696	0.1	4644.12
Zn 206.200	312.415	ppb	2.0018	0.6	935.859

680-89004-b-8-a (Samp) **4/9/2013, 6:54:31 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1953b	ppb	0.5259	44.0	-88.1247
Al 308.215	99292.0b	ppb	131.935	0.1	274142
As 188.980	91.8212b	ppb	10.9867	12.0	19.9899
B 249.678	126.894b	ppb	0.7148	0.6	570.686
Ba 389.178	498.661b	ppb	0.4105	0.1	9217.66
Be 313.042	6.4183b	ppb	0.0141	0.2	10141.7
Ca 370.602	826389xb	ppb	1234	0.1	3081853
Cd 226.502	53.3206b	ppb	0.1820	0.3	1674.00
Co 228.615	104.864b	ppb	0.2888	0.3	838.860
Cr 267.716	235.093b	ppb	0.8944	0.4	3640.79
Cu 324.754	731.444b	ppb	0.8725	0.1	24224.9
Fe 271.441	246396b	ppb	125.400	0.1	181580
K 766.491	40975.0xb	ppb	21.3100	0.1	5098782

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	464334b	ppb	1186.05	0.3	512800
Mn 257.610	4337.43b	ppb	2.5672	0.1	411305
Mo 202.032	8.6201b	ppb	0.6662	7.7	-1.7599
Na 330.237	2805.62b	ppb	193.987	6.9	74.2620
Ni 231.604	147.828b	ppb	2.7673	1.9	451.897
Pb 220.353	629.269b	ppb	5.7207	0.9	511.860
Sb 206.834	7.8293b	ppb	7.3922	94.4	19.9062
Se 196.026	-8.6408b	ppb	14.1836	164.1	2.7620
Sn 189.925	55.1941b	ppb	5.5764	10.1	31.7682
Sr 216.596	374.862b	ppb	1.3821	0.4	2344.85
Ti 334.941	820.419b	ppb	0.7881	0.1	174373
Tl 190.794	-15.4496b	ppb	2.1840	14.1	-23.7939
V 292.401	172.165b	ppb	0.2059	0.1	4898.00
Zn 206.200	8622.40b	ppb	7.3208	0.1	25653.2

680-89004-b-9-a (Samp) **4/9/2013, 6:59:59 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0436b	ppb	0.7731	74.1	-48.0723
Al 308.215	121520b	ppb	4758.41	3.9	335511
As 188.980	26.6874b	ppb	3.8407	14.4	6.8134
B 249.678	130.813b	ppb	4.4171	3.4	639.135
Ba 389.178	1310.15b	ppb	51.3597	3.9	21609.5
Be 313.042	9.6179b	ppb	0.4101	4.3	14809.4
Ca 370.602	111678b	ppb	3944	3.5	380669
Cd 226.502	0.4055b	ppb	1.1283	278.3	501.592
Co 228.615	302.896b	ppb	10.9775	3.6	2405.25
Cr 267.716	243.906b	ppb	9.0748	3.7	3798.09
Cu 324.754	264.497b	ppb	10.5640	4.0	9386.17
Fe 271.441	232651b	ppb	8891.31	3.8	171460
K 766.491	46738.4xb	ppb	1663.63	3.6	5815459
Mg 279.078	33685.3b	ppb	1324.18	3.9	36482.4
Mn 257.610	11491.3b	ppb	448.297	3.9	1086152
Mo 202.032	0.9393b	ppb	1.3835	147.3	-25.6126
Na 330.237	1246.62b	ppb	43.7769	3.5	-35.5158
Ni 231.604	171.666b	ppb	5.6392	3.3	502.865
Pb 220.353	156.914b	ppb	12.2880	7.8	118.187
Sb 206.834	0.4927b	ppb	3.4525	700.8	8.4250
Se 196.026	12.0477b	ppb	11.7492	97.5	4.0403
Sn 189.925	25.0533b	ppb	6.1317	24.5	16.2404
Sr 216.596	247.055b	ppb	10.7878	4.4	1555.96
Ti 334.941	972.061b	ppb	37.1795	3.8	205656
Tl 190.794	-12.6588b	ppb	5.9119	46.7	-15.4227
V 292.401	167.098b	ppb	6.1601	3.7	4735.50
Zn 206.200	726.299b	ppb	27.5716	3.8	2167.95

680-89004-b-10-a (Samp) **4/9/2013, 7:05:27 PM** **Rack 1, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8014	ppb	0.6079	33.7	-78.7100
Al 308.215	119233	ppb	12.5270	0.0	329205

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	31.9999	ppb	3.3153	10.4	10.0447
B 249.678	36.6766	ppb	0.6234	1.7	-62.2974
Ba 389.178	371.460	ppb	1.4168	0.4	6242.46
Be 313.042	3.7134	ppb	0.0127	0.3	5878.75
Ca 370.602	8522	ppb	9.284	0.1	-1289
Cd 226.502	-1.3699	ppb	0.4294	31.3	369.052
Co 228.615	183.563	ppb	0.4651	0.3	1459.01
Cr 267.716	206.979	ppb	0.2720	0.1	3226.68
Cu 324.754	73.8203	ppb	0.6215	0.8	2810.48
Fe 271.441	186189	ppb	199.047	0.1	137216
K 766.491	11382.5	ppb	16.6787	0.1	1418035
Mg 279.078	6369.50	ppb	8.0825	0.1	6431.42
Mn 257.610	7398.10	ppb	5.8647	0.1	699286
Mo 202.032	5.1155	ppb	1.6824	32.9	-5.8718
Na 330.237	995.779	ppb	69.6982	7.0	-29.7387
Ni 231.604	65.5811	ppb	1.2193	1.9	196.903
Pb 220.353	145.810	ppb	8.3963	5.8	109.530
Sb 206.834	1.6655	ppb	3.8007	228.2	6.8741
Se 196.026	0.5413	ppb	6.7583	1248.6	0.5609
Sn 189.925	25.3006	ppb	1.8218	7.2	16.7186
Sr 216.596	55.5812	ppb	0.9332	1.7	406.361
Ti 334.941	796.271	ppb	1.3917	0.2	168371
Tl 190.794	-10.0852	ppb	10.6139	105.2	-11.7166
V 292.401	244.489	ppb	0.7422	0.3	6909.22
Zn 206.200	173.982	ppb	0.4653	0.3	524.363

Cont Calib Verif (CCV) **4/9/2013, 7:10:53 PM** **Rack 1, Tube 37**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.410	ppb	1.4753	0.3	14907.3	99.08199
Al 308.215	4987.24	ppb	4.1023	0.1	14053.9	99.74483
As 188.980	489.718	ppb	10.5140	2.1	168.814	97.94355
B 249.678	506.817	ppb	0.5414	0.1	4368.31	20.27266Q
Ba 389.178	5126.11	ppb	7.3399	0.1	83379.0	102.52222
Be 313.042	515.434	ppb	0.5940	0.1	784412	103.08683
Ca 370.602	5047	ppb	10.88	0.2	18380	100.93676
Cd 226.502	513.948	ppb	0.7179	0.1	11129.2	102.78963
Co 228.615	513.914	ppb	2.6134	0.5	4056.75	102.78288
Cr 267.716	5203.10	ppb	4.9391	0.1	83199.3	104.06209
Cu 324.754	5088.21	ppb	19.8781	0.4	182290	101.76417
Fe 271.441	5042.92	ppb	2.9069	0.1	3773.91	100.85835
K 766.491	10034.0	ppb	25.6712	0.3	1249076	100.34029
Mg 279.078	4935.17	ppb	17.3380	0.4	5459.66	98.70341
Mn 257.610	5331.98	ppb	4.8435	0.1	503864	106.63966
Mo 202.032	494.467	ppb	2.4825	0.5	1654.44	98.89344
Na 330.237	7488.49	ppb	161.470	2.2	486.977	99.84648
Ni 231.604	2587.58	ppb	1.2246	0.0	7375.29	103.50304
Pb 220.353	499.905	ppb	4.3084	0.9	411.173	99.98096
Sb 206.834	925.114	ppb	4.9489	0.5	620.439	37.00454Q
Se 196.026	4906.03	ppb	8.6327	0.2	1277.53	98.12061
Sn 189.925	4965.93	ppb	14.8475	0.3	2998.37	99.31870
Sr 216.596	2513.40	ppb	2.5734	0.1	14697.5	100.53582
Ti 334.941	497.575	ppb	0.5471	0.1	105503	99.51494

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4984.07	ppb	11.5924	0.2	2209.29	99.68140
V 292.401	4928.78	ppb	8.8053	0.2	138169	98.57568
Zn 206.200	2597.26	ppb	2.6452	0.1	7704.76	103.89024

Cont Calib Blank (CCB) **4/9/2013, 7:16:19 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5496	ppb	0.2884	52.5	-35.9668	-0.54961
Al 308.215	-6.1240	ppb	1.9130	31.2	19.0999	-6.12402
As 188.980	-2.5789	ppb	5.0688	196.6	-1.5986	-2.57889
B 249.678	0.6207	ppb	0.2204	35.5	48.1430	0.62069
Ba 389.178	0.1663	ppb	0.2264	136.2	-18.7757	0.16625
Be 313.042	-0.0719	ppb	0.0021	3.0	-11.4097	-0.07186
Ca 370.602	-3.133	ppb	1.405	44.8	-72.99	-3.13321
Cd 226.502	-0.0806	ppb	0.1061	131.5	13.8823	-0.08063
Co 228.615	-0.9165	ppb	0.5832	63.6	-12.0299	-0.91648
Cr 267.716	0.1505	ppb	0.4859	322.8	9.8372	0.15054
Cu 324.754	-0.2558	ppb	0.0386	15.1	105.609	-0.25578
Fe 271.441	3.8972	ppb	6.1981	159.0	0.2813	3.89723
K 766.491	-2.0965	ppb	0.1524	7.3	2093.14	-2.09654
Mg 279.078	-5.1653	ppb	4.0478	78.4	21.1386	-5.16526
Mn 257.610	-0.0608	ppb	0.0386	63.4	49.4476	-0.06085
Mo 202.032	0.7854	ppb	0.2493	31.7	1.8893	0.78537
Na 330.237	93.2360	ppb	34.1416	36.6	4.0253	93.23602
Ni 231.604	0.9626	ppb	1.8312	190.2	1.6780	0.96261
Pb 220.353	-0.9972	ppb	1.6274	163.2	1.9018	-0.99715
Sb 206.834	1.9933	ppb	2.1819	109.5	2.0432	1.99327
Se 196.026	4.1117	ppb	6.2002	150.8	2.8229	4.11170
Sn 189.925	-0.6937	ppb	3.2661	470.8	0.8372	-0.69369
Sr 216.596	-0.0109	ppb	0.7974	7343.7	-5.7394	-0.01086
Ti 334.941	-0.0685	ppb	0.0270	39.4	-44.3351	-0.06851
Tl 190.794	-5.7212	ppb	4.3735	76.4	-2.1777	-5.72121
V 292.401	-0.2427	ppb	0.1352	55.7	12.6823	-0.24268
Zn 206.200	0.3773	ppb	0.6038	160.0	4.5265	0.37730

680-89004-b-11-a (Samp) **4/9/2013, 7:21:44 PM** **Rack 1, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5107	ppb	0.4797	93.9	-78.0251
Al 308.215	160586	ppb	1532.53	1.0	443367
As 188.980	20.5000	ppb	11.8642	57.9	5.9301
B 249.678	49.5818	ppb	0.9366	1.9	-91.7353
Ba 389.178	400.314	ppb	4.0796	1.0	6784.54
Be 313.042	3.9949	ppb	0.0585	1.5	6333.33
Ca 370.602	15052	ppb	46.35	0.3	12255
Cd 226.502	-1.8500	ppb	0.6555	35.4	482.843
Co 228.615	34.0495	ppb	0.4975	1.5	275.168
Cr 267.716	209.349	ppb	2.3664	1.1	3223.76
Cu 324.754	87.0994	ppb	0.4675	0.5	3297.17
Fe 271.441	246521	ppb	2301.28	0.9	181670
K 766.491	19634.2	ppb	167.341	0.9	2444402

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	8810.68	ppb	80.9586	0.9	8939.37
Mn 257.610	625.762	ppb	6.5053	1.0	59480.2
Mo 202.032	3.7158	ppb	0.6074	16.3	-17.7110
Na 330.237	1308.89	ppb	95.2088	7.3	-35.4226
Ni 231.604	82.1585	ppb	2.1694	2.6	247.883
Pb 220.353	60.8234	ppb	7.0163	11.5	34.4108
Sb 206.834	2.8081	ppb	1.1059	39.4	9.5851
Se 196.026	0.8125	ppb	1.9009	234.0	-1.4215
Sn 189.925	25.0839	ppb	3.3236	13.2	16.5034
Sr 216.596	86.9732	ppb	0.6943	0.8	619.104
Ti 334.941	500.765	ppb	5.0701	1.0	105898
Tl 190.794	-5.3812	ppb	5.7083	106.1	-12.8661
V 292.401	281.436	ppb	2.3455	0.8	7970.89
Zn 206.200	178.608	ppb	1.7191	1.0	539.604

680-89004-b-12-a (Samp) **4/9/2013, 7:27:10 PM** **Rack 1, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6688	ppb	0.5520	82.5	-100.761
Al 308.215	242393	ppb	137.108	0.1	669211
As 188.980	37.9114	ppb	8.3377	22.0	11.6066
B 249.678	47.5655	ppb	1.1479	2.4	-392.122
Ba 389.178	284.048	ppb	1.2449	0.4	5043.96
Be 313.042	5.6765	ppb	0.0040	0.1	8963.69
Ca 370.602	30416	ppb	14.37	0.0	47645
Cd 226.502	-2.0504	ppb	0.5247	25.6	736.481
Co 228.615	91.2548	ppb	1.3108	1.4	726.026
Cr 267.716	267.572	ppb	0.9280	0.3	4088.24
Cu 324.754	99.6493	ppb	0.8088	0.8	3761.04
Fe 271.441	371867	ppb	148.340	0.0	274045
K 766.491	27008.7	ppb	19.1873	0.1	3361689
Mg 279.078	13072.8	ppb	2.1306	0.0	13229.1
Mn 257.610	1483.51	ppb	0.3292	0.0	140671
Mo 202.032	4.2377	ppb	1.5204	35.9	-30.9023
Na 330.237	1561.70	ppb	61.0924	3.9	-76.1524
Ni 231.604	108.528	ppb	0.2140	0.2	330.534
Pb 220.353	68.6076	ppb	10.7513	15.7	31.3790
Sb 206.834	-0.7523	ppb	8.5793	1140.4	11.2889
Se 196.026	7.2833	ppb	16.2430	223.0	-1.3456
Sn 189.925	30.4536	ppb	5.4994	18.1	19.6593
Sr 216.596	146.098	ppb	1.0778	0.7	1025.51
Ti 334.941	290.897	ppb	0.2129	0.1	61550.2
Tl 190.794	0.7484	ppb	5.0708	677.6	-15.9849
V 292.401	403.682	ppb	0.8444	0.2	11425.7
Zn 206.200	246.387	ppb	1.5054	0.6	743.939

680-89004-b-13-a (Samp) **4/9/2013, 7:32:36 PM** **Rack 1, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0243	ppb	0.9465	3893.3	-80.7946
Al 308.215	205555	ppb	228.987	0.1	567508

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	34.4929	ppb	21.1843	61.4	10.4534
B 249.678	46.9408	ppb	1.8344	3.9	-406.160
Ba 389.178	355.206	ppb	0.7422	0.2	6201.26
Be 313.042	5.0421	ppb	0.0238	0.5	7991.18
Ca 370.602	28793	ppb	14.18	0.0	40910
Cd 226.502	-2.4075	ppb	0.2314	9.6	733.383
Co 228.615	43.5245	ppb	1.0500	2.4	350.627
Cr 267.716	289.331	ppb	2.4385	0.8	4435.00
Cu 324.754	89.6565	ppb	0.6420	0.7	3408.27
Fe 271.441	375365	ppb	383.541	0.1	276621
K 766.491	22371.8	ppb	11.9268	0.1	2784920
Mg 279.078	11062.1	ppb	33.3128	0.3	10992.9
Mn 257.610	1877.90	ppb	2.0432	0.1	177934
Mo 202.032	4.1358	ppb	0.2754	6.7	-32.1169
Na 330.237	1506.06	ppb	109.124	7.2	-82.2718
Ni 231.604	89.6258	ppb	0.2173	0.2	276.810
Pb 220.353	98.9696	ppb	6.3933	6.5	60.4045
Sb 206.834	-4.6052	ppb	4.0586	88.1	8.9731
Se 196.026	5.5034	ppb	13.1616	239.2	-1.9333
Sn 189.925	30.6726	ppb	2.1068	6.9	19.8236
Sr 216.596	135.491	ppb	0.5639	0.4	964.575
Ti 334.941	397.400	ppb	0.3225	0.1	84067.9
Tl 190.794	-8.2534	ppb	3.0795	37.3	-19.7396
V 292.401	390.572	ppb	0.2428	0.1	11056.7
Zn 206.200	179.867	ppb	1.5445	0.9	546.142

680-89004-b-14-a (Samp) **4/9/2013, 7:38:02 PM** **Rack 1, Tube 42**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2271	ppb	0.7368	60.0	-52.6263
Al 308.215	148175	ppb	124.454	0.1	409108
As 188.980	15.7390	ppb	12.9329	82.2	3.9679
B 249.678	31.8379	ppb	0.6829	2.1	-79.1690
Ba 389.178	473.488	ppb	1.1467	0.2	7894.60
Be 313.042	2.5914	ppb	0.0051	0.2	4200.20
Ca 370.602	45627	ppb	39.82	0.1	141092
Cd 226.502	-0.8253	ppb	0.2234	27.1	360.462
Co 228.615	163.853	ppb	0.8755	0.5	1300.15
Cr 267.716	189.685	ppb	0.3062	0.2	2957.45
Cu 324.754	100.388	ppb	0.6758	0.7	3658.60
Fe 271.441	175249	ppb	113.425	0.1	129153
K 766.491	10234.6	ppb	6.2106	0.1	1275239
Mg 279.078	9352.55	ppb	11.7475	0.1	9765.74
Mn 257.610	8823.74	ppb	17.8632	0.2	833978
Mo 202.032	5.2356	ppb	1.3474	25.7	-3.7553
Na 330.237	662.333	ppb	130.873	19.8	-44.7445
Ni 231.604	64.9063	ppb	2.1627	3.3	194.467
Pb 220.353	155.430	ppb	2.8896	1.9	114.527
Sb 206.834	3.1506	ppb	7.2462	230.0	8.0466
Se 196.026	1.8114	ppb	8.5679	473.0	1.5541
Sn 189.925	26.6685	ppb	5.8085	21.8	17.3513
Sr 216.596	85.2581	ppb	1.0420	1.2	578.240
Ti 334.941	571.104	ppb	0.4484	0.1	120800

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-10.9236	ppb	2.4785	22.7	-12.4262
V 292.401	262.511	ppb	0.6625	0.3	7409.98
Zn 206.200	223.161	ppb	0.2984	0.1	670.450

680-89004-b-15-a (Samp) **4/9/2013, 7:43:29 PM** **Rack 1, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1979	ppb	0.3578	180.8	-22.2727
Al 308.215	170897	ppb	363.778	0.2	471843
As 188.980	9.6122	ppb	5.7206	59.5	2.2937
B 249.678	64.0662	ppb	0.9228	1.4	312.024
Ba 389.178	387.846	ppb	0.7018	0.2	6448.29
Be 313.042	2.2780	ppb	0.0081	0.4	3700.52
Ca 370.602	15802	ppb	7.564	0.0	37425
Cd 226.502	-0.7365	ppb	0.2882	39.1	260.095
Co 228.615	123.562	ppb	0.7524	0.6	980.386
Cr 267.716	181.262	ppb	0.2192	0.1	2844.15
Cu 324.754	72.5174	ppb	0.5992	0.8	2718.92
Fe 271.441	123820	ppb	188.256	0.2	91251.2
K 766.491	25693.6	ppb	46.5994	0.2	3198093
Mg 279.078	11848.4	ppb	25.5854	0.2	12708.6
Mn 257.610	3612.91	ppb	6.7693	0.2	341588
Mo 202.032	2.0273	ppb	1.5460	76.3	-7.7456
Na 330.237	837.949	ppb	92.0740	11.0	-8.7864
Ni 231.604	76.4191	ppb	0.5326	0.7	224.387
Pb 220.353	137.986	ppb	2.2432	1.6	97.9759
Sb 206.834	1.0952	ppb	4.7622	434.8	5.2417
Se 196.026	1.9672	ppb	9.6964	492.9	1.5289
Sn 189.925	25.5119	ppb	1.8425	7.2	16.7407
Sr 216.596	63.5993	ppb	0.6224	1.0	426.054
Ti 334.941	515.462	ppb	0.8416	0.2	109001
Tl 190.794	-10.4821	ppb	5.8398	55.7	-10.2858
V 292.401	229.651	ppb	0.6337	0.3	6486.69
Zn 206.200	160.914	ppb	2.2709	1.4	484.337

680-89004-b-16-a (Samp) **4/9/2013, 7:48:56 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1664	ppb	0.8635	518.9	-63.7828
Al 308.215	161606	ppb	970.426	0.6	446182
As 188.980	25.9240	ppb	8.6484	33.4	7.9002
B 249.678	109.727	ppb	0.9479	0.9	378.325
Ba 389.178	247.549	ppb	1.5165	0.6	4324.00
Be 313.042	3.0788	ppb	0.0179	0.6	4938.63
Ca 370.602	7508	ppb	39.69	0.5	-19779
Cd 226.502	-1.9241	ppb	0.1664	8.6	520.426
Co 228.615	34.9087	ppb	0.4672	1.3	286.718
Cr 267.716	312.674	ppb	1.4432	0.5	4866.01
Cu 324.754	126.762	ppb	0.7944	0.6	4744.76
Fe 271.441	265898	ppb	1105.59	0.4	195949
K 766.491	31923.9	ppb	140.988	0.4	3973062

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	9662.97	ppb	53.8213	0.6	9817.11
Mn 257.610	347.607	ppb	1.2560	0.4	33225.9
Mo 202.032	2.9090	ppb	0.8739	30.0	-22.8436
Na 330.237	1105.30	ppb	102.098	9.2	-60.2965
Ni 231.604	64.2010	ppb	2.3775	3.7	197.881
Pb 220.353	55.9951	ppb	5.8660	10.5	30.1144
Sb 206.834	3.4921	ppb	6.1280	175.5	10.8701
Se 196.026	2.4092	ppb	8.5737	355.9	-1.3931
Sn 189.925	25.7279	ppb	1.1355	4.4	17.0013
Sr 216.596	37.1924	ppb	0.8403	2.3	335.018
Ti 334.941	824.728	ppb	4.7799	0.6	174397
Tl 190.794	-3.4350	ppb	7.3062	212.7	-12.5147
V 292.401	275.735	ppb	1.6384	0.6	7812.29
Zn 206.200	119.082	ppb	1.2847	1.1	362.770

680-89004-b-17-a (Samp) **4/9/2013, 7:54:23 PM** **Rack 1, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5714	ppb	0.1319	23.1	-88.0358
Al 308.215	185866	ppb	33.9640	0.0	513155
As 188.980	21.9830	ppb	8.3531	38.0	6.5417
B 249.678	93.5984	ppb	0.3735	0.4	164.471
Ba 389.178	350.338	ppb	0.9698	0.3	6034.07
Be 313.042	4.3736	ppb	0.0073	0.2	6906.96
Ca 370.602	3528	ppb	13.41	0.4	-41004
Cd 226.502	-2.1152	ppb	0.2134	10.1	586.326
Co 228.615	86.5539	ppb	0.7414	0.9	691.379
Cr 267.716	268.216	ppb	0.4133	0.2	4137.37
Cu 324.754	139.547	ppb	0.7113	0.5	5230.51
Fe 271.441	299954	ppb	286.564	0.1	221049
K 766.491	30416.7	ppb	24.9484	0.1	3785572
Mg 279.078	9773.81	ppb	12.8372	0.1	9823.89
Mn 257.610	1027.52	ppb	1.6299	0.2	97501.8
Mo 202.032	3.9245	ppb	2.1062	53.7	-23.4017
Na 330.237	696.404	ppb	38.9410	5.6	-101.023
Ni 231.604	99.9031	ppb	0.1052	0.1	301.589
Pb 220.353	106.880	ppb	4.7955	4.5	69.5171
Sb 206.834	-0.1227	ppb	5.2847	4307.0	9.4035
Se 196.026	13.5973	ppb	16.0829	118.3	1.1338
Sn 189.925	24.3004	ppb	2.4718	10.2	16.0942
Sr 216.596	25.7492	ppb	0.4485	1.7	282.002
Ti 334.941	550.508	ppb	0.4302	0.1	116410
Tl 190.794	-6.4373	ppb	11.2886	175.4	-15.4764
V 292.401	284.003	ppb	0.3526	0.1	8050.11
Zn 206.200	161.490	ppb	1.3916	0.9	489.789

680-89004-b-17-aSD^5 (Samp) **4/9/2013, 7:59:50 PM** **Rack 1, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4651	ppb	0.7622	163.9	-43.8475
Al 308.215	37043.4	ppb	364.802	1.0	102301

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.4905	ppb	4.4929	301.4	-0.2641
B 249.678	19.1041	ppb	0.8043	4.2	68.5008
Ba 389.178	69.9746	ppb	0.6191	0.9	1189.20
Be 313.042	0.7977	ppb	0.0045	0.6	1342.79
Ca 370.602	869.6	ppb	12.62	1.5	-7784
Cd 226.502	-0.5259	ppb	0.1012	19.2	129.264
Co 228.615	16.3529	ppb	0.8333	5.1	126.899
Cr 267.716	53.5651	ppb	0.4399	0.8	831.713
Cu 324.754	27.0159	ppb	0.7015	2.6	1105.84
Fe 271.441	60845.0	ppb	582.834	1.0	44837.1
K 766.491	6044.92	ppb	47.3890	0.8	754218
Mg 279.078	2001.85	ppb	14.5016	0.7	2035.45
Mn 257.610	208.104	ppb	1.8515	0.9	19791.3
Mo 202.032	1.6704	ppb	0.5664	33.9	-2.4119
Na 330.237	132.403	ppb	56.4148	42.6	-22.7354
Ni 231.604	20.9907	ppb	0.2236	1.1	62.3963
Pb 220.353	21.5117	ppb	3.8840	18.1	16.2005
Sb 206.834	5.0048	ppb	5.4827	109.5	5.7114
Se 196.026	0.0551	ppb	10.2728	18635.2	0.9249
Sn 189.925	2.4551	ppb	1.8936	77.1	2.7719
Sr 216.596	5.0408	ppb	0.9213	18.3	51.5952
Ti 334.941	111.253	ppb	1.1199	1.0	23501.7
Tl 190.794	-3.9297	ppb	1.6850	42.9	-4.0166
V 292.401	56.7715	ppb	0.4496	0.8	1624.85
Zn 206.200	32.1204	ppb	1.0815	3.4	100.175

680-89004-b-17-aPDS (Samp) **4/9/2013, 8:05:18 PM** **Rack 1, Tube 47**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.9552	ppb	7.0743	15.4	1316.32
Al 308.215	177386	ppb	13191.8	7.4	489778
As 188.980	1997.11	ppb	154.875	7.8	687.291
B 249.678	1021.55	ppb	70.0210	6.9	8137.77
Ba 389.178	2322.35	ppb	171.227	7.4	38094.8
Be 313.042	54.3107	ppb	3.7006	6.8	82844.4
Ca 370.602	8095	ppb	345.4	4.3	-20542
Cd 226.502	47.7682	ppb	5.5185	11.6	1629.41
Co 228.615	558.936	ppb	75.9360	13.6	4427.39
Cr 267.716	448.289	ppb	40.3711	9.0	7024.85
Cu 324.754	386.804	ppb	27.1232	7.0	14060.2
Fe 271.441	283057	ppb	21309.5	7.5	208623
K 766.491	33615.5	ppb	2495.90	7.4	4182932
Mg 279.078	13983.4	ppb	929.041	6.6	14536.4
Mn 257.610	1483.99	ppb	109.225	7.4	140632
Mo 202.032	494.772	ppb	34.7477	7.0	1630.31
Na 330.237	5328.19	ppb	114.862	2.2	204.650
Ni 231.604	594.798	ppb	28.9163	4.9	1711.66
Pb 220.353	577.025	ppb	43.2311	7.5	459.133
Sb 206.834	456.873	ppb	39.9460	8.7	295.647
Se 196.026	1936.42	ppb	149.429	7.7	501.164
Sn 189.925	973.902	ppb	80.3190	8.2	589.397
Sr 216.596	513.634	ppb	39.4666	7.7	3122.01
Ti 334.941	1475.49	ppb	110.666	7.5	312009

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1918.48	ppb	148.332	7.7	837.585
V 292.401	750.675	ppb	54.4884	7.3	21049.4
Zn 206.200	646.283	ppb	48.8964	7.6	1929.89

680-89004-b-17-b ms (Samp) **4/9/2013, 8:10:46 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.8294	ppb	0.4084	5.2	165.382
Al 308.215	195957	ppb	431.190	0.2	541017
As 188.980	112.587	ppb	8.4036	7.5	37.7315
B 249.678	211.633	ppb	1.9968	0.9	1159.79
Ba 389.178	458.046	ppb	1.5413	0.3	7801.64
Be 313.042	55.6700	ppb	0.1081	0.2	84721.3
Ca 370.602	8286	ppb	17.20	0.2	-24059
Cd 226.502	48.7721	ppb	0.4544	0.9	1698.39
Co 228.615	141.000	ppb	0.2815	0.2	1121.87
Cr 267.716	409.153	ppb	0.6557	0.2	6388.58
Cu 324.754	244.787	ppb	0.7588	0.3	8989.34
Fe 271.441	305911	ppb	426.756	0.1	225441
K 766.491	34061.8	ppb	68.4958	0.2	4238924
Mg 279.078	14263.4	ppb	27.9112	0.2	14768.8
Mn 257.610	1551.83	ppb	3.0101	0.2	147060
Mo 202.032	98.9215	ppb	1.2286	1.2	295.641
Na 330.237	5306.22	ppb	204.224	3.8	197.423
Ni 231.604	193.701	ppb	1.9135	1.0	569.364
Pb 220.353	156.161	ppb	4.4073	2.8	108.975
Sb 206.834	26.1457	ppb	3.9486	15.1	26.9569
Se 196.026	109.660	ppb	14.2769	13.0	26.1727
Sn 189.925	207.565	ppb	8.2855	4.0	126.716
Sr 216.596	126.065	ppb	1.8814	1.5	870.932
Ti 334.941	692.544	ppb	1.5362	0.2	146457
Tl 190.794	29.3719	ppb	3.8882	13.2	0.1418
V 292.401	371.608	ppb	0.8104	0.2	10483.5
Zn 206.200	255.862	ppb	3.1938	1.2	770.070

Cont Calib Verif (CCV) **4/9/2013, 8:16:13 PM** **Rack 1, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.468	ppb	2.6110	0.5	15029.5	99.89365
Al 308.215	5037.59	ppb	18.7685	0.4	14194.7	100.75174
As 188.980	486.586	ppb	3.1966	0.7	167.740	97.31715
B 249.678	512.441	ppb	1.4493	0.3	4416.32	20.49765Q
Ba 389.178	5156.90	ppb	14.2501	0.3	83880.1	103.13805
Be 313.042	519.799	ppb	2.1696	0.4	791051	103.95988
Ca 370.602	5074	ppb	19.60	0.4	18476	101.47454
Cd 226.502	516.979	ppb	2.1561	0.4	11194.8	103.39590
Co 228.615	517.659	ppb	2.3449	0.5	4086.35	103.53181
Cr 267.716	5239.50	ppb	17.2470	0.3	83781.3	104.79001
Cu 324.754	5136.92	ppb	21.2036	0.4	184034	102.73843
Fe 271.441	5081.38	ppb	33.2626	0.7	3802.67	101.62756
K 766.491	10114.5	ppb	30.7055	0.3	1259081	101.14536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4988.10	ppb	8.0888	0.2	5518.01	99.76207
Mn 257.610	5365.10	ppb	17.5563	0.3	506993	107.30194
Mo 202.032	498.230	ppb	1.7495	0.4	1667.04	99.64598
Na 330.237	7657.30	ppb	131.559	1.7	498.032	102.09728
Ni 231.604	2607.11	ppb	9.7604	0.4	7430.98	104.28436
Pb 220.353	502.830	ppb	6.0912	1.2	413.550	100.56602
Sb 206.834	937.883	ppb	5.8218	0.6	628.853	37.51532Q
Se 196.026	4919.20	ppb	20.0775	0.4	1280.95	98.38392
Sn 189.925	4996.31	ppb	17.9921	0.4	3016.70	99.92610
Sr 216.596	2534.58	ppb	8.3889	0.3	14821.5	101.38312
Ti 334.941	500.668	ppb	1.2043	0.2	106160	100.13357
Tl 190.794	5045.00	ppb	6.8140	0.1	2236.27	100.89990
V 292.401	4964.76	ppb	11.6097	0.2	139177	99.29524
Zn 206.200	2618.83	ppb	10.2918	0.4	7768.73	104.75317

Cont Calib Blank (CCB) **4/9/2013, 8:21:38 PM** **Rack 1, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2422	ppb	0.4127	170.4	-12.1093	0.24223
Al 308.215	-3.3938	ppb	1.4011	41.3	26.6318	-3.39384
As 188.980	1.4899	ppb	3.5891	240.9	-0.1964	1.48987
B 249.678	0.7658	ppb	1.0150	132.5	49.3958	0.76584
Ba 389.178	0.0272	ppb	0.3967	1456.1	-21.0498	0.02724
Be 313.042	-0.0900	ppb	0.0098	10.8	-38.8093	-0.09001
Ca 370.602	-3.182	ppb	1.320	41.5	-72.46	-3.18198
Cd 226.502	-0.0046	ppb	0.2767	6025.9	15.5170	-0.00459
Co 228.615	-0.6596	ppb	0.5951	90.2	-9.9926	-0.65957
Cr 267.716	0.2016	ppb	0.4676	231.9	10.6549	0.20164
Cu 324.754	-0.2209	ppb	0.0500	22.7	106.852	-0.22093
Fe 271.441	-2.8802	ppb	0.3192	11.1	-4.7151	-2.88016
K 766.491	-1.8661	ppb	0.1714	9.2	2121.84	-1.86614
Mg 279.078	-7.8485	ppb	3.5548	45.3	18.1844	-7.84848
Mn 257.610	-0.2346	ppb	0.1021	43.5	33.0181	-0.23459
Mo 202.032	0.1791	ppb	0.3363	187.8	-0.1516	0.17909
Na 330.237	25.5056	ppb	25.4193	99.7	-0.4128	25.50563
Ni 231.604	1.4321	ppb	0.2551	17.8	3.0159	1.43209
Pb 220.353	-0.1629	ppb	1.6544	1015.8	2.5940	-0.16287
Sb 206.834	1.4373	ppb	1.8939	131.8	1.6966	1.43728
Se 196.026	-2.3342	ppb	3.7050	158.7	1.1479	-2.33419
Sn 189.925	-2.6348	ppb	3.7967	144.1	-0.3344	-2.63481
Sr 216.596	-0.3122	ppb	0.4578	146.6	-7.5235	-0.31223
Ti 334.941	-0.0651	ppb	0.0455	69.9	-43.6070	-0.06511
Tl 190.794	-0.1352	ppb	4.3592	3223.8	0.2927	-0.13522
V 292.401	-0.1820	ppb	0.2301	126.4	14.4978	-0.18202
Zn 206.200	-0.1234	ppb	0.8680	703.2	3.0375	-0.12343

680-89004-b-17-c msd (Samp) **4/9/2013, 8:27:04 PM** **Rack 1, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.4696	ppb	0.2051	2.4	210.006
Al 308.215	187082	ppb	582.217	0.3	516530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	101.145	ppb	8.1496	8.1	33.9111
B 249.678	179.340	ppb	1.1285	0.6	1230.86
Ba 389.178	439.541	ppb	1.0696	0.2	7328.34
Be 313.042	54.7325	ppb	0.1389	0.3	83282.4
Ca 370.602	10354	ppb	3.567	0.0	11547
Cd 226.502	50.5005	ppb	0.2126	0.4	1425.67
Co 228.615	96.9869	ppb	1.1157	1.2	769.069
Cr 267.716	321.880	ppb	0.1442	0.0	5073.93
Cu 324.754	207.251	ppb	1.6490	0.8	7572.46
Fe 271.441	152446	ppb	302.956	0.2	112347
K 766.491	31502.8	ppb	89.0053	0.3	3920639
Mg 279.078	15088.7	ppb	58.9187	0.4	16200.9
Mn 257.610	861.791	ppb	1.7406	0.2	81692.0
Mo 202.032	100.941	ppb	0.5982	0.6	321.678
Na 330.237	5467.30	ppb	156.915	2.9	281.486
Ni 231.604	176.999	ppb	1.1490	0.6	512.828
Pb 220.353	129.489	ppb	2.2342	1.7	88.7884
Sb 206.834	41.4140	ppb	4.1085	9.9	32.3663
Se 196.026	103.491	ppb	15.1252	14.6	27.0007
Sn 189.925	215.847	ppb	1.6214	0.8	131.632
Sr 216.596	137.329	ppb	0.4405	0.3	868.026
Ti 334.941	494.643	ppb	1.0726	0.2	104603
Tl 190.794	43.2871	ppb	8.6231	19.9	12.2049
V 292.401	340.009	ppb	0.9948	0.3	9569.02
Zn 206.200	253.352	ppb	1.4784	0.6	759.364

680-89004-b-18-a (Samp) **4/9/2013, 8:32:29 PM** **Rack 1, Tube 52**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7380	ppb	0.7599	103.0	-102.243
Al 308.215	164782	ppb	64.2173	0.0	454938
As 188.980	28.0770	ppb	3.2027	11.4	8.5900
B 249.678	93.8986	ppb	1.5298	1.6	20.3837
Ba 389.178	320.366	ppb	0.5392	0.2	5618.10
Be 313.042	4.9646	ppb	0.0199	0.4	7805.51
Ca 370.602	3083	ppb	3.318	0.1	-54413
Cd 226.502	-2.9808	ppb	0.1707	5.7	696.999
Co 228.615	100.336	ppb	0.4895	0.5	802.068
Cr 267.716	325.090	ppb	0.8122	0.2	5013.14
Cu 324.754	158.220	ppb	0.2246	0.1	5928.90
Fe 271.441	364692	ppb	251.240	0.1	268756
K 766.491	27873.5	ppb	26.4534	0.1	3469248
Mg 279.078	8708.95	ppb	3.0404	0.0	8426.21
Mn 257.610	1690.67	ppb	0.0744	0.0	160228
Mo 202.032	5.7837	ppb	0.0428	0.7	-25.5774
Na 330.237	627.756	ppb	74.5466	11.9	-136.393
Ni 231.604	101.334	ppb	2.2305	2.2	309.412
Pb 220.353	116.259	ppb	6.9485	6.0	79.1468
Sb 206.834	4.5479	ppb	4.0441	88.9	14.3947
Se 196.026	15.7517	ppb	4.8255	30.6	0.6481
Sn 189.925	23.5041	ppb	2.7647	11.8	15.6413
Sr 216.596	20.2634	ppb	0.8018	4.0	278.690
Ti 334.941	610.932	ppb	0.1458	0.0	129190

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-4.6020	ppb	5.6307	122.4	-16.9409
V 292.401	292.327	ppb	0.3877	0.1	8292.62
Zn 206.200	164.622	ppb	0.8690	0.5	500.365

Cont Calib Verif (CCV) **4/9/2013, 8:37:55 PM** **Rack 2, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.841	ppb	2.4268	0.5	14799.8	98.36829
Al 308.215	4956.86	ppb	44.7557	0.9	13968.2	99.13728
As 188.980	487.323	ppb	7.2076	1.5	167.985	97.46453
B 249.678	504.218	ppb	1.9656	0.4	4346.16	20.16873Q
Ba 389.178	5087.14	ppb	26.1158	0.5	82745.1	101.74286
Be 313.042	512.844	ppb	3.1384	0.6	780465	102.56889
Ca 370.602	5005	ppb	28.57	0.6	18225	100.09650
Cd 226.502	511.183	ppb	2.4464	0.5	11069.4	102.23666
Co 228.615	513.222	ppb	3.0958	0.6	4051.26	102.64433
Cr 267.716	5182.98	ppb	19.9271	0.4	82877.6	103.65952
Cu 324.754	5035.74	ppb	53.4442	1.1	180411	100.71474
Fe 271.441	5018.15	ppb	20.6614	0.4	3755.28	100.36293
K 766.491	9985.11	ppb	43.9623	0.4	1243001	99.85107
Mg 279.078	4893.99	ppb	36.5623	0.7	5414.27	97.87984
Mn 257.610	5298.73	ppb	23.7529	0.4	500722	105.97470
Mo 202.032	491.145	ppb	5.1831	1.1	1643.33	98.22899
Na 330.237	7488.23	ppb	152.171	2.0	486.981	99.84306
Ni 231.604	2570.07	ppb	12.4801	0.5	7325.41	102.80298
Pb 220.353	491.804	ppb	5.3806	1.1	404.493	98.36078
Sb 206.834	920.702	ppb	5.4203	0.6	617.531	36.82809Q
Se 196.026	4845.77	ppb	24.5762	0.5	1261.86	96.91546
Sn 189.925	4935.42	ppb	57.9403	1.2	2979.96	98.70847
Sr 216.596	2496.53	ppb	15.1178	0.6	14598.9	99.86102
Ti 334.941	493.565	ppb	2.5992	0.5	104653	98.71295
Tl 190.794	4962.08	ppb	42.8328	0.9	2199.53	99.24162
V 292.401	4890.57	ppb	30.5431	0.6	137097	97.81142
Zn 206.200	2584.82	ppb	11.0230	0.4	7667.89	103.39283

Cont Calib Blank (CCB) **4/9/2013, 8:43:22 PM** **Rack 2, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1256	ppb	0.2383	189.8	-23.1915	-0.12556
Al 308.215	-1.6706	ppb	2.6515	158.7	31.4101	-1.67064
As 188.980	-2.0245	ppb	4.8805	241.1	-1.4073	-2.02451
B 249.678	0.7567	ppb	0.3475	45.9	49.3011	0.75675
Ba 389.178	0.3265	ppb	0.3051	93.5	-16.1729	0.32650
Be 313.042	-0.0708	ppb	0.0070	9.8	-9.7147	-0.07077
Ca 370.602	-5.893	ppb	1.923	32.6	-83.35	-5.89324
Cd 226.502	-0.1722	ppb	0.0472	27.4	11.9035	-0.17220
Co 228.615	-0.9792	ppb	0.4029	41.1	-12.5307	-0.97920
Cr 267.716	0.5513	ppb	0.5195	94.2	16.2456	0.55126
Cu 324.754	-0.2638	ppb	0.2120	80.4	105.329	-0.26378
Fe 271.441	2.1033	ppb	7.2514	344.8	-1.0454	2.10326
K 766.491	-1.0846	ppb	0.5483	50.6	2218.99	-1.08465

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-4.5604	ppb	10.3473	226.9	21.8091	-4.56036
Mn 257.610	-0.0597	ppb	0.1934	324.1	49.5495	-0.05968
Mo 202.032	0.7863	ppb	0.7811	99.3	1.8922	0.78629
Na 330.237	4.2658	ppb	66.1810	1551.4	-1.8060	4.26581
Ni 231.604	1.0003	ppb	0.6911	69.1	1.7864	1.00032
Pb 220.353	4.1810	ppb	0.4866	11.6	6.1915	4.18104
Sb 206.834	5.0371	ppb	3.8958	77.3	3.9758	5.03705
Se 196.026	-1.2483	ppb	9.2625	742.0	1.4300	-1.24833
Sn 189.925	-2.1355	ppb	2.4488	114.7	-0.0330	-2.13546
Sr 216.596	-0.3611	ppb	0.2605	72.2	-7.8098	-0.36106
Ti 334.941	-0.0485	ppb	0.0511	105.3	-40.0653	-0.04851
Tl 190.794	-6.0984	ppb	6.2419	102.4	-2.3448	-6.09841
V 292.401	-0.1050	ppb	0.2944	280.5	16.4268	-0.10497
Zn 206.200	0.0609	ppb	0.6915	1135.3	3.5835	0.06091

mb 680-272030/1-a (Samp) **4/9/2013, 8:48:48 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4067	ppb	0.2715	66.7	-7.1559
Al 308.215	2.0254	ppb	2.9968	148.0	41.5945
As 188.980	1.9723	ppb	0.9952	50.5	-0.0302
B 249.678	0.8316	ppb	0.3087	37.1	49.9225
Ba 389.178	-0.1715	ppb	0.1442	84.1	-24.2225
Be 313.042	-0.1151	ppb	0.0063	5.4	-77.2430
Ca 370.602	28.70	ppb	0.9055	3.2	45.55
Cd 226.502	0.0670	ppb	0.0258	38.4	17.0945
Co 228.615	-0.8589	ppb	0.6909	80.4	-11.5823
Cr 267.716	0.8925	ppb	0.2450	27.4	21.7016
Cu 324.754	-0.1802	ppb	0.1524	84.6	108.246
Fe 271.441	12.7578	ppb	5.4075	42.4	6.8194
K 766.491	9.0735	ppb	0.4059	4.5	3482.59
Mg 279.078	8.3302	ppb	6.8392	82.1	36.0299
Mn 257.610	0.1102	ppb	0.0295	26.7	65.6629
Mo 202.032	0.8929	ppb	0.2920	32.7	2.2505
Na 330.237	90.9315	ppb	58.6840	64.5	3.8676
Ni 231.604	1.2218	ppb	0.5987	49.0	2.4208
Pb 220.353	-0.5456	ppb	2.5346	464.5	2.2737
Sb 206.834	2.1825	ppb	2.1414	98.1	2.1516
Se 196.026	2.4411	ppb	7.7463	317.3	2.3889
Sn 189.925	9.0586	ppb	3.9284	43.4	6.7228
Sr 216.596	-0.3117	ppb	0.4913	157.6	-7.5225
Ti 334.941	0.1942	ppb	0.0029	1.5	11.3098
Tl 190.794	-0.1037	ppb	7.9496	7663.6	0.3050
V 292.401	-0.5424	ppb	0.1044	19.3	4.0881
Zn 206.200	0.3283	ppb	0.4053	123.4	4.3784

lcs 680-272030/2-a (Samp) **4/9/2013, 8:54:14 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.7743	ppb	0.6053	6.9	245.850
Al 308.215	5204.75	ppb	15.7558	0.3	14411.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	99.1725	ppb	7.5227	7.6	33.4208
B 249.678	193.583	ppb	0.6961	0.4	1685.56
Ba 389.178	108.014	ppb	0.4313	0.4	1751.19
Be 313.042	54.0532	ppb	0.0638	0.1	82099.8
Ca 370.602	5216	ppb	5.148	0.1	18765
Cd 226.502	53.9440	ppb	0.3118	0.6	1191.76
Co 228.615	53.3830	ppb	0.1887	0.4	416.619
Cr 267.716	110.063	ppb	0.5593	0.5	1765.15
Cu 324.754	106.562	ppb	0.3697	0.3	3919.53
Fe 271.441	5165.91	ppb	16.6704	0.3	3807.62
K 766.491	5188.05	ppb	11.5179	0.2	647630
Mg 279.078	5088.51	ppb	21.8727	0.4	5637.01
Mn 257.610	561.433	ppb	0.8387	0.1	53120.9
Mo 202.032	105.021	ppb	1.3714	1.3	352.049
Na 330.237	4786.40	ppb	156.413	3.3	308.626
Ni 231.604	107.084	ppb	0.3214	0.3	304.546
Pb 220.353	47.3858	ppb	1.8049	3.8	41.1555
Sb 206.834	49.7303	ppb	1.8035	3.6	32.8786
Se 196.026	108.079	ppb	9.1091	8.4	29.9272
Sn 189.925	211.490	ppb	4.3133	2.0	128.901
Sr 216.596	104.158	ppb	0.2548	0.2	604.889
Ti 334.941	103.085	ppb	0.2745	0.3	21779.5
Tl 190.794	37.7855	ppb	8.0453	21.3	16.9052
V 292.401	102.916	ppb	0.1130	0.1	2883.20
Zn 206.200	109.200	ppb	1.4483	1.3	327.882

lcs 680-272030/3-a (Samp) **4/9/2013, 8:59:41 PM** **Rack 2, Tube 5**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	201.914	ppb	1.9778	1.0	6068.71
Al 308.215	2186.54	ppb	8.8198	0.4	6084.60
As 188.980	200.227	ppb	10.6297	5.3	68.0570
B 249.678	378.491	ppb	0.9463	0.3	3232.50
Ba 389.178	198.507	ppb	1.4717	0.7	3268.49
Be 313.042	209.175	ppb	0.6856	0.3	317332
Ca 370.602	20473	ppb	76.38	0.4	73710
Cd 226.502	205.556	ppb	1.0709	0.5	4498.46
Co 228.615	206.029	ppb	0.3705	0.2	1622.04
Cr 267.716	212.465	ppb	0.6551	0.3	3395.82
Cu 324.754	208.466	ppb	2.0650	1.0	7536.18
Fe 271.441	20782.0	ppb	64.1893	0.3	15323.3
K 766.491	19820.0	ppb	70.2228	0.4	2467570
Mg 279.078	19869.8	ppb	66.0068	0.3	21931.7
Mn 257.610	2151.03	ppb	8.1271	0.4	203367
Mo 202.032	202.680	ppb	1.6979	0.8	678.655
Na 330.237	18014.4	ppb	118.917	0.7	1167.69
Ni 231.604	208.572	ppb	0.1838	0.1	595.074
Pb 220.353	199.196	ppb	2.1797	1.1	166.925
Sb 206.834	184.693	ppb	5.6576	3.1	120.229
Se 196.026	201.628	ppb	9.2332	4.6	54.4173
Sn 189.925	210.912	ppb	5.1354	2.4	128.525
Sr 216.596	212.593	ppb	0.8510	0.4	1245.93
Ti 334.941	201.301	ppb	0.7298	0.4	42569.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	28.5786	ppb	5.2765	18.5	12.4144
V 292.401	203.258	ppb	0.5924	0.3	5676.16
Zn 206.200	194.838	ppb	1.7035	0.9	582.911

680-88980-b-25-a (Samp) **4/9/2013, 9:05:07 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.7372	ppb	0.2614	5.5	154.747
Al 308.215	55874.1	ppb	1733.11	3.1	154262
As 188.980	159.811	ppb	13.2844	8.3	44.8642
B 249.678	109.256	ppb	1.2959	1.2	119.148
Ba 389.178	3009.61	ppb	96.7955	3.2	49607.2
Be 313.042	7.4167	ppb	0.2084	2.8	11629.8
Ca 370.602	703994	ppb	16829	2.4	2595455
Cd 226.502	27.6275	ppb	2.1930	7.9	1380.93
Co 228.615	79.3029	ppb	2.6030	3.3	646.365
Cr 267.716	261.584	ppb	6.1346	2.3	4019.18
Cu 324.754	1454.22	ppb	15.3113	1.1	50476.5
Fe 271.441	378807	ppb	12357.7	3.3	279157
K 766.491	9296.95	ppb	296.208	3.2	1157932
Mg 279.078	141316	ppb	4080.42	2.9	155020
Mn 257.610	25171.9	ppb	748.984	3.0	2379177
Mo 202.032	24.9253	ppb	1.1893	4.8	35.9070
Na 330.237	3480.15	ppb	164.545	4.7	51.0175
Ni 231.604	207.085	ppb	5.7213	2.8	616.480
Pb 220.353	3630.64	ppb	117.448	3.2	3002.52
Sb 206.834	15.3877	ppb	9.7074	63.1	26.2943
Se 196.026	21.3489	ppb	15.4159	72.2	8.8680
Sn 189.925	117.445	ppb	9.5164	8.1	69.9193
Sr 216.596	892.349	ppb	30.7882	3.5	5444.82
Ti 334.941	1270.70	ppb	41.9573	3.3	269443
Tl 190.794	-30.3732	ppb	9.8947	32.6	-33.8462
V 292.401	187.312	ppb	4.5924	2.5	5304.23
Zn 206.200	7376.40	ppb	220.441	3.0	21941.9

680-88980-b-25-aSD^5 (Samp) **4/9/2013, 9:10:33 PM** **Rack 2, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5968	ppb	0.6696	112.2	6.4482
Al 308.215	10837.8	ppb	190.909	1.8	29950.2
As 188.980	21.9042	ppb	6.1382	28.0	4.8754
B 249.678	23.7932	ppb	0.4905	2.1	64.4837
Ba 389.178	623.876	ppb	9.6248	1.5	10267.2
Be 313.042	1.4624	ppb	0.0354	2.4	2374.15
Ca 370.602	145243	ppb	2118	1.5	535051
Cd 226.502	5.5031	ppb	0.2984	5.4	297.305
Co 228.615	17.0537	ppb	0.4917	2.9	135.070
Cr 267.716	54.7309	ppb	1.1442	2.1	846.670
Cu 324.754	281.757	ppb	4.3702	1.6	9851.61
Fe 271.441	80349.7	ppb	1249.56	1.6	59210.6
K 766.491	1469.57	ppb	17.2167	1.2	184977

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	28581.0	ppb	513.655	1.8	31360.8
Mn 257.610	5617.30	ppb	63.7649	1.1	530962
Mo 202.032	5.3176	ppb	1.0456	19.7	7.1221
Na 330.237	775.392	ppb	110.568	14.3	11.7454
Ni 231.604	47.0583	ppb	1.0353	2.2	138.800
Pb 220.353	775.780	ppb	13.2270	1.7	643.831
Sb 206.834	4.7450	ppb	2.6956	56.8	7.0969
Se 196.026	11.9022	ppb	9.1119	76.6	5.2034
Sn 189.925	26.2054	ppb	0.8630	3.3	16.6144
Sr 216.596	184.789	ppb	4.9897	2.7	1123.72
Ti 334.941	263.139	ppb	4.2012	1.6	55772.8
Tl 190.794	-11.5576	ppb	4.7892	41.4	-9.1175
V 292.401	38.6280	ppb	0.3942	1.0	1108.98
Zn 206.200	1596.43	ppb	29.6643	1.9	4751.33

680-88980-b-25-aPDS (Samp) **4/9/2013, 9:16:00 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	55.6951	ppb	0.7644	1.4	1689.13
Al 308.215	57820.5	ppb	7.9738	0.0	159670
As 188.980	2268.22	ppb	13.7520	0.6	771.606
B 249.678	1127.52	ppb	0.9181	0.1	8827.50
Ba 389.178	5012.44	ppb	4.8077	0.1	82188.4
Be 313.042	58.7644	ppb	0.0988	0.2	89720.3
Ca 370.602	703354	ppb	1112	0.2	2593252
Cd 226.502	77.2038	ppb	0.4106	0.5	2451.06
Co 228.615	581.747	ppb	5.1569	0.9	4620.80
Cr 267.716	465.493	ppb	1.7998	0.4	7278.96
Cu 324.754	1703.40	ppb	9.1216	0.5	59395.4
Fe 271.441	378412	ppb	416.965	0.1	278893
K 766.491	16744.7	ppb	19.7594	0.1	2083777
Mg 279.078	145538	ppb	85.9933	0.1	159692
Mn 257.610	25566.5	ppb	38.4981	0.2	2416481
Mo 202.032	528.547	ppb	1.9067	0.4	1730.65
Na 330.237	9112.93	ppb	33.3481	0.4	414.050
Ni 231.604	698.317	ppb	1.7372	0.2	2017.06
Pb 220.353	4098.33	ppb	20.4437	0.5	3388.84
Sb 206.834	518.476	ppb	7.7488	1.5	342.125
Se 196.026	2101.06	ppb	19.3285	0.9	549.401
Sn 189.925	1087.22	ppb	8.5430	0.8	655.436
Sr 216.596	1373.78	ppb	0.4046	0.0	8254.10
Ti 334.941	2265.23	ppb	2.1622	0.1	479746
Tl 190.794	1863.89	ppb	8.3050	0.4	805.061
V 292.401	682.317	ppb	0.8429	0.1	19099.6
Zn 206.200	7831.74	ppb	6.9433	0.1	23294.8

680-88980-b-25-b ms (Samp) **4/9/2013, 9:21:27 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.1963b	ppb	0.2423	1.7	487.153
Al 308.215	65509.1b	ppb	30.5829	0.0	180885

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	246.078b	ppb	4.4993	1.8	75.1594
B 249.678	290.892b	ppb	1.9088	0.7	2023.71
Ba 389.178	3774.37b	ppb	3.2081	0.1	61872.3
Be 313.042	57.3830b	ppb	0.0658	0.1	87419.3
Ca 370.602	674989b	ppb	2398	0.4	2514046
Cd 226.502	78.9439b	ppb	0.5930	0.8	2176.84
Co 228.615	129.421b	ppb	0.4224	0.3	1040.93
Cr 267.716	365.263b	ppb	0.3553	0.1	5766.06
Cu 324.754	1675.04b	ppb	1.5065	0.1	58393.4
Fe 271.441	223545b	ppb	155.070	0.1	164743
K 766.491	17126.3b	ppb	23.5617	0.1	2131576
Mg 279.078	143026b	ppb	189.552	0.1	157427
Mn 257.610	30107.2xb	ppb	39.3279	0.1	2845315
Mo 202.032	116.699b	ppb	2.0068	1.7	364.378
Na 330.237	8854.53b	ppb	66.6413	0.8	476.954
Ni 231.604	311.425b	ppb	1.2322	0.4	904.748
Pb 220.353	2722.72b	ppb	11.5895	0.4	2249.86
Sb 206.834	33.3388b	ppb	4.5568	13.7	33.9073
Se 196.026	102.041b	ppb	15.3427	15.0	33.2815
Sn 189.925	295.911b	ppb	5.9413	2.0	177.747
Sr 216.596	1083.47b	ppb	1.3919	0.1	6493.49
Ti 334.941	1440.57b	ppb	1.7483	0.1	305331
Tl 190.794	-1.0081b	ppb	4.4072	437.2	-14.3822
V 292.401	275.580b	ppb	0.7956	0.3	7719.06
Zn 206.200	8566.75b	ppb	12.0754	0.1	25476.2

680-88980-b-25-c msd (Samp) **4/9/2013, 9:26:55 PM** **Rack 2, Tube 10**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	25.4519b	ppb	0.3149	1.2	801.757
Al 308.215	62883.9b	ppb	426.625	0.7	173634
As 188.980	224.779b	ppb	7.6744	3.4	63.6296
B 249.678	283.390b	ppb	2.3098	0.8	1911.95
Ba 389.178	3102.03b	ppb	18.8001	0.6	51006.3
Be 313.042	54.4476b	ppb	0.3044	0.6	83045.1
Ca 370.602	996088xb	ppb	5634	0.6	3724871
Cd 226.502	73.2708b	ppb	0.8328	1.1	2096.33
Co 228.615	109.045b	ppb	0.6726	0.6	876.712
Cr 267.716	331.507b	ppb	1.4166	0.4	5208.81
Cu 324.754	1779.84b	ppb	8.6295	0.5	61295.5
Fe 271.441	244375b	ppb	1599.29	0.7	180092
K 766.491	17207.7b	ppb	88.8963	0.5	2141875
Mg 279.078	167004b	ppb	1012.13	0.6	183889
Mn 257.610	25027.3b	ppb	103.699	0.4	2365429
Mo 202.032	110.323b	ppb	1.0498	1.0	340.291
Na 330.237	8677.62b	ppb	77.1397	0.9	455.042
Ni 231.604	299.327b	ppb	1.6319	0.5	872.388
Pb 220.353	2370.92b	ppb	27.6103	1.2	1958.59
Sb 206.834	32.2167b	ppb	2.8589	8.9	36.7427
Se 196.026	93.1227b	ppb	4.1888	4.5	30.8311
Sn 189.925	257.418b	ppb	2.7854	1.1	153.280
Sr 216.596	1063.90b	ppb	5.1824	0.5	6401.50
Ti 334.941	1196.47b	ppb	8.6267	0.7	254062

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-6.7310b	ppb	7.3167	108.7	-20.7909
V 292.401	256.552b	ppb	1.7508	0.7	7199.36
Zn 206.200	7186.19b	ppb	40.1104	0.6	21374.0

680-88980-a-26-a (Samp) **4/9/2013, 9:32:23 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.7961	ppb	1.2216	68.0	10.5942
Al 308.215	100782	ppb	277.363	0.3	278251
As 188.980	165.136	ppb	3.6618	2.2	54.0177
B 249.678	110.147	ppb	1.1550	1.0	171.293
Ba 389.178	2559.55	ppb	5.8781	0.2	42040.9
Be 313.042	12.9417	ppb	0.0148	0.1	19952.7
Ca 370.602	143692	ppb	242.8	0.2	478842
Cd 226.502	16.7468	ppb	0.3891	2.3	1109.01
Co 228.615	125.318	ppb	0.9103	0.7	1013.62
Cr 267.716	402.596	ppb	1.2996	0.3	6267.20
Cu 324.754	622.225	ppb	0.4557	0.1	22162.1
Fe 271.441	359753	ppb	654.265	0.2	265118
K 766.491	13766.3	ppb	12.4389	0.1	1713965
Mg 279.078	17350.0	ppb	18.3400	0.1	17986.1
Mn 257.610	11114.8	ppb	13.4012	0.1	1050678
Mo 202.032	20.1017	ppb	2.8154	14.0	22.3912
Na 330.237	2241.35	ppb	40.5154	1.8	-22.3394
Ni 231.604	176.688	ppb	2.8363	1.6	524.117
Pb 220.353	3206.59	ppb	7.8450	0.2	2646.34
Sb 206.834	7.5765	ppb	3.0924	40.8	16.3858
Se 196.026	23.1991	ppb	12.3928	53.4	4.6336
Sn 189.925	163.815	ppb	2.0177	1.2	100.037
Sr 216.596	736.314	ppb	1.5393	0.2	4496.05
Ti 334.941	1584.21	ppb	2.0188	0.1	335139
Tl 190.794	-22.0948	ppb	8.3220	37.7	-24.4273
V 292.401	333.128	ppb	0.0864	0.0	9421.56
Zn 206.200	8010.53	ppb	15.3328	0.2	23821.8

680-88980-a-27-a (Samp) **4/9/2013, 9:37:51 PM** **Rack 2, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.0103b	ppb	0.2720	6.8	194.146
Al 308.215	78812.3b	ppb	126.569	0.2	217606
As 188.980	152.659b	ppb	12.8611	8.4	44.4647
B 249.678	115.346b	ppb	0.9448	0.8	522.795
Ba 389.178	3915.03b	ppb	4.1359	0.1	64105.3
Be 313.042	7.6447b	ppb	0.0074	0.1	11937.9
Ca 370.602	557200b	ppb	379.4	0.1	2068459
Cd 226.502	32.1133b	ppb	0.5232	1.6	1166.38
Co 228.615	84.6492b	ppb	0.6023	0.7	688.431
Cr 267.716	256.577b	ppb	0.9142	0.4	4031.97
Cu 324.754	1609.77b	ppb	7.0714	0.4	56371.2
Fe 271.441	223896b	ppb	228.343	0.1	164998
K 766.491	11033.7b	ppb	16.5915	0.2	1373721

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	113676b	ppb	287.074	0.3	124957
Mn 257.610	33289.5xb	ppb	40.9399	0.1	3145919
Mo 202.032	23.1788b	ppb	1.1741	5.1	49.8159
Na 330.237	3876.17b	ppb	114.018	2.9	150.981
Ni 231.604	215.811b	ppb	1.6333	0.8	631.235
Pb 220.353	2948.73b	ppb	8.0903	0.3	2435.92
Sb 206.834	13.7661b	ppb	2.6740	19.4	19.8604
Se 196.026	5.2090b	ppb	6.3037	121.0	8.1368
Sn 189.925	116.461b	ppb	7.4821	6.4	69.8690
Sr 216.596	970.707b	ppb	5.3825	0.6	5829.72
Ti 334.941	1402.14b	ppb	1.4747	0.1	297073
Tl 190.794	-49.9033b	ppb	9.9065	19.9	-35.1812
V 292.401	188.356b	ppb	0.0380	0.0	5287.86
Zn 206.200	8669.14b	ppb	4.5970	0.1	25780.0

Cont Calib Verif (CCV) **4/9/2013, 9:43:18 PM** **Rack 2, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.164	ppb	1.6821	0.3	14869.8	98.83279
Al 308.215	4954.94	ppb	4.9112	0.1	13963.0	99.09881
As 188.980	481.620	ppb	11.0219	2.3	166.021	96.32402
B 249.678	507.017	ppb	2.4044	0.5	4370.06	20.28067Q
Ba 389.178	5096.74	ppb	7.1440	0.1	82901.3	101.93488
Be 313.042	514.259	ppb	0.7288	0.1	782611	102.85183
Ca 370.602	5038	ppb	2.783	0.1	18353	100.76542
Cd 226.502	511.466	ppb	1.0466	0.2	11075.5	102.29326
Co 228.615	512.447	ppb	0.4806	0.1	4045.13	102.48936
Cr 267.716	5201.00	ppb	15.8513	0.3	83165.9	104.01998
Cu 324.754	5075.35	ppb	89.7147	1.8	181830	101.50694
Fe 271.441	5013.20	ppb	13.1029	0.3	3751.59	100.26405
K 766.491	9990.88	ppb	5.2362	0.1	1243718	99.90883
Mg 279.078	4905.38	ppb	10.1129	0.2	5426.86	98.10762
Mn 257.610	5323.24	ppb	9.8955	0.2	503038	106.46489
Mo 202.032	490.727	ppb	1.7933	0.4	1641.92	98.14540
Na 330.237	7436.41	ppb	99.5793	1.3	483.587	99.15210
Ni 231.604	2571.01	ppb	6.2132	0.2	7328.09	102.84055
Pb 220.353	490.868	ppb	7.3484	1.5	403.705	98.17352
Sb 206.834	927.281	ppb	9.0995	1.0	621.791	37.09124Q
Se 196.026	4860.73	ppb	9.2440	0.2	1265.75	97.21465
Sn 189.925	4953.01	ppb	6.4915	0.1	2990.57	99.06024
Sr 216.596	2500.90	ppb	3.1156	0.1	14624.5	100.03590
Ti 334.941	494.257	ppb	0.4972	0.1	104800	98.85132
Tl 190.794	4956.19	ppb	29.4524	0.6	2196.93	99.12378
V 292.401	4891.95	ppb	2.4168	0.0	137135	97.83907
Zn 206.200	2587.55	ppb	4.2012	0.2	7675.97	103.50215

Cont Calib Blank (CCB) **4/9/2013, 9:48:45 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3134	ppb	0.4781	152.5	-28.8492	-0.31341
Al 308.215	-1.0810	ppb	2.7392	253.4	33.0371	-1.08099

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	-1.6316	ppb	1.4767	90.5	-1.2719	-1.63160
B 249.678	0.9032	ppb	0.9961	110.3	50.5642	0.90319
Ba 389.178	-0.2623	ppb	0.5013	191.1	-25.7467	-0.26235
Be 313.042	-0.0753	ppb	0.0195	25.9	-16.7742	-0.07531
Ca 370.602	-4.008	ppb	4.557	113.7	-76.07	-4.00837
Cd 226.502	0.0379	ppb	0.0958	252.5	16.4417	0.03795
Co 228.615	-0.5817	ppb	0.1008	17.3	-9.4003	-0.58175
Cr 267.716	0.5127	ppb	0.4018	78.4	15.6306	0.51266
Cu 324.754	-0.2383	ppb	0.3296	138.3	106.244	-0.23826
Fe 271.441	0.7858	ppb	7.8320	996.7	-1.9865	0.78577
K 766.491	-1.0164	ppb	0.6564	64.6	2227.63	-1.01637
Mg 279.078	-1.2471	ppb	6.6084	529.9	25.4766	-1.24708
Mn 257.610	0.0236	ppb	0.1161	492.5	57.4160	0.02357
Mo 202.032	0.8863	ppb	0.9936	112.1	2.2294	0.88630
Na 330.237	114.515	ppb	15.8168	13.8	5.4201	114.51547
Ni 231.604	0.8098	ppb	0.5865	72.4	1.2446	0.80981
Pb 220.353	-1.0423	ppb	3.4456	330.6	1.8626	-1.04231
Sb 206.834	3.7023	ppb	2.7956	75.5	3.1270	3.70225
Se 196.026	6.1483	ppb	5.2042	84.6	3.3521	6.14830
Sn 189.925	-2.8011	ppb	2.3315	83.2	-0.4347	-2.80110
Sr 216.596	-0.5620	ppb	0.6534	116.3	-8.9952	-0.56196
Ti 334.941	-0.0491	ppb	0.0582	118.4	-40.2129	-0.04914
Tl 190.794	0.3917	ppb	1.4779	377.3	0.5250	0.39167
V 292.401	-0.3563	ppb	0.1504	42.2	9.2614	-0.35633
Zn 206.200	0.1119	ppb	0.3518	314.3	3.7358	0.11192

680-88960-a-1-a (Samp) **4/9/2013, 9:54:11 PM** **Rack 2, Tube 15**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8357	ppb	0.5257	28.6	-87.0123
Al 308.215	29679.8	ppb	81.2854	0.3	81972.3
As 188.980	16.8840	ppb	4.3075	25.5	4.8884
B 249.678	16.2107	ppb	0.9069	5.6	42.7285
Ba 389.178	469.826	ppb	0.5435	0.1	7697.90
Be 313.042	3.6791	ppb	0.0195	0.5	5721.48
Ca 370.602	12844	ppb	35.90	0.3	37498
Cd 226.502	-0.3346	ppb	0.1615	48.3	133.831
Co 228.615	11.3101	ppb	0.8866	7.8	94.6164
Cr 267.716	62.4210	ppb	0.5061	0.8	973.434
Cu 324.754	31.2383	ppb	0.3250	1.0	1221.54
Fe 271.441	61321.1	ppb	98.6550	0.2	45187.9
K 766.491	2913.71	ppb	4.3018	0.1	364644
Mg 279.078	5242.25	ppb	16.4983	0.3	5618.30
Mn 257.610	218.326	ppb	0.2394	0.1	20771.2
Mo 202.032	1.1939	ppb	0.9437	79.0	-4.1862
Na 330.237	387.011	ppb	111.192	28.7	-9.9012
Ni 231.604	16.3862	ppb	0.4995	3.0	49.4212
Pb 220.353	85.2500	ppb	6.1309	7.2	69.7808
Sb 206.834	5.2282	ppb	3.8637	73.9	5.2113
Se 196.026	-5.0270	ppb	8.1415	162.0	-0.3623
Sn 189.925	14.8790	ppb	2.8368	19.1	10.3544
Sr 216.596	273.159	ppb	1.1986	0.4	1631.79
Ti 334.941	644.822	ppb	1.3485	0.2	136336

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-1.8508	ppb	7.0059	378.5	-2.8119
V 292.401	69.4097	ppb	0.2572	0.4	1984.67
Zn 206.200	132.434	ppb	0.3394	0.3	398.438

680-88960-a-2-a (Samp) **4/9/2013, 9:59:38 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0249	ppb	0.3412	1370.2	-18.4589
Al 308.215	30204.9	ppb	400.974	1.3	83427.5
As 188.980	698.685	ppb	21.3862	3.1	238.169
B 249.678	37.0980	ppb	0.9072	2.4	255.340
Ba 389.178	1590.09	ppb	21.9993	1.4	25904.1
Be 313.042	1.7489	ppb	0.0254	1.5	2873.39
Ca 370.602	151261	ppb	1733	1.1	563964
Cd 226.502	5.5463	ppb	0.2021	3.6	230.697
Co 228.615	20.0079	ppb	0.4667	2.3	165.132
Cr 267.716	414.277	ppb	5.6964	1.4	6612.36
Cu 324.754	433.461	ppb	5.7240	1.3	15247.8
Fe 271.441	46315.3	ppb	648.656	1.4	34130.2
K 766.491	4533.70	ppb	52.8428	1.2	565852
Mg 279.078	7984.45	ppb	103.119	1.3	8697.41
Mn 257.610	3063.07	ppb	42.8910	1.4	289545
Mo 202.032	7.7682	ppb	0.1917	2.5	19.7079
Na 330.237	605.481	ppb	177.521	29.3	12.7129
Ni 231.604	54.5731	ppb	2.0630	3.8	157.452
Pb 220.353	619.827	ppb	14.8723	2.4	512.431
Sb 206.834	16.8235	ppb	3.6911	21.9	16.3021
Se 196.026	8.5229	ppb	8.3163	97.6	4.3449
Sn 189.925	49.0881	ppb	3.7818	7.7	30.5116
Sr 216.596	842.125	ppb	12.0444	1.4	4980.71
Ti 334.941	741.324	ppb	10.8957	1.5	156909
Tl 190.794	-7.5884	ppb	8.8760	117.0	-5.8625
V 292.401	142.230	ppb	2.1360	1.5	4002.20
Zn 206.200	1325.15	ppb	18.9593	1.4	3942.17

680-88960-a-3-a (Samp) **4/9/2013, 10:05:05 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.3725	ppb	0.4756	20.0	-95.1929
Al 308.215	12337.5	ppb	58.1494	0.5	34098.2
As 188.980	7.2674	ppb	7.7211	106.2	1.7049
B 249.678	5.8758	ppb	0.2521	4.3	70.9780
Ba 389.178	138.797	ppb	0.5367	0.4	2249.16
Be 313.042	0.6244	ppb	0.0056	0.9	1072.55
Ca 370.602	6475	ppb	18.49	0.3	22769
Cd 226.502	0.0317	ppb	0.0349	110.3	36.7853
Co 228.615	1.6690	ppb	0.7379	44.2	21.9182
Cr 267.716	20.3897	ppb	0.1673	0.8	328.988
Cu 324.754	2.4234	ppb	0.2877	11.9	181.512
Fe 271.441	9782.17	ppb	28.5486	0.3	7206.76
K 766.491	719.718	ppb	1.7400	0.2	91837.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	1277.11	ppb	4.8397	0.4	1406.25
Mn 257.610	161.378	ppb	0.5478	0.3	15327.0
Mo 202.032	1.3249	ppb	0.3945	29.8	2.5550
Na 330.237	-18.3540	ppb	85.4758	465.7	-14.8040
Ni 231.604	4.0845	ppb	1.2633	30.9	11.1957
Pb 220.353	28.3421	ppb	1.5160	5.3	24.8150
Sb 206.834	6.7417	ppb	4.6159	68.5	3.9775
Se 196.026	1.6490	ppb	9.6737	586.6	2.1175
Sn 189.925	9.3435	ppb	2.6738	28.6	7.1063
Sr 216.596	70.8467	ppb	0.3742	0.5	416.464
Ti 334.941	970.530	ppb	2.4172	0.2	205194
Tl 190.794	-10.4206	ppb	2.2859	21.9	-4.1738
V 292.401	43.4027	ppb	0.3449	0.8	1248.72
Zn 206.200	11.9163	ppb	0.9279	7.8	39.0218

680-88960-a-6-a (Samp) **4/9/2013, 10:10:31 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1611	ppb	0.3056	189.8	-28.4599
Al 308.215	53816.0	ppb	21.2401	0.0	148602
As 188.980	167.974	ppb	4.6013	2.7	53.3283
B 249.678	136.656	ppb	0.5043	0.4	918.381
Ba 389.178	3475.58	ppb	2.5794	0.1	56678.6
Be 313.042	2.4002	ppb	0.0046	0.2	3871.17
Ca 370.602	291079	ppb	664.8	0.2	1078110
Cd 226.502	8.9711	ppb	0.0496	0.6	473.415
Co 228.615	29.1286	ppb	0.5401	1.9	255.498
Cr 267.716	345.681	ppb	0.5382	0.2	5476.15
Cu 324.754	494.682	ppb	0.6925	0.1	17095.3
Fe 271.441	129352	ppb	157.859	0.1	95322.4
K 766.491	24316.5	ppb	15.6103	0.1	3025993
Mg 279.078	18851.0	ppb	14.2288	0.1	20431.8
Mn 257.610	6417.56	ppb	2.8999	0.0	606621
Mo 202.032	12.9309	ppb	0.7849	6.1	27.0494
Na 330.237	1881.48	ppb	129.289	6.9	52.3400
Ni 231.604	108.396	ppb	2.0591	1.9	316.099
Pb 220.353	722.174	ppb	9.6655	1.3	594.264
Sb 206.834	19.8394	ppb	4.0886	20.6	19.0278
Se 196.026	10.1819	ppb	4.9806	48.9	4.5601
Sn 189.925	112.527	ppb	1.3204	1.2	68.5812
Sr 216.596	1521.08	ppb	0.5387	0.0	9022.26
Ti 334.941	1917.20	ppb	0.8267	0.0	405694
Tl 190.794	-11.8131	ppb	4.3607	36.9	-11.8076
V 292.401	98.5010	ppb	0.2102	0.2	2796.37
Zn 206.200	3372.94	ppb	4.2060	0.1	10031.7

680-88960-a-7-a (Samp) **4/9/2013, 10:15:58 PM** **Rack 2, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5516	ppb	0.4457	80.8	-40.9923
Al 308.215	49819.1	ppb	36.8310	0.1	137567

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	219.773	ppb	8.7169	4.0	71.3226
B 249.678	117.461	ppb	0.2267	0.2	736.877
Ba 389.178	3118.87	ppb	3.0940	0.1	50884.1
Be 313.042	2.1939	ppb	0.0031	0.1	3555.08
Ca 370.602	278813	ppb	473.0	0.2	1030262
Cd 226.502	7.7762	ppb	0.2083	2.7	462.838
Co 228.615	29.9711	ppb	0.4203	1.4	256.259
Cr 267.716	337.732	ppb	0.7743	0.2	5344.32
Cu 324.754	500.836	ppb	3.1058	0.6	17355.3
Fe 271.441	137012	ppb	147.963	0.1	100968
K 766.491	19218.7	ppb	8.6463	0.0	2392016
Mg 279.078	17498.2	ppb	26.8940	0.2	18909.8
Mn 257.610	6215.86	ppb	15.1953	0.2	587565
Mo 202.032	17.0861	ppb	1.0773	6.3	40.0193
Na 330.237	1615.59	ppb	95.1536	5.9	34.8766
Ni 231.604	159.766	ppb	0.2389	0.1	462.879
Pb 220.353	644.758	ppb	3.5543	0.6	530.515
Sb 206.834	22.3663	ppb	7.3315	32.8	21.3238
Se 196.026	9.9346	ppb	26.1764	263.5	4.2714
Sn 189.925	85.7710	ppb	3.9069	4.6	52.3792
Sr 216.596	1385.11	ppb	0.6939	0.1	8222.30
Ti 334.941	1497.81	ppb	2.6907	0.2	317001
Tl 190.794	-12.7385	ppb	0.9895	7.8	-12.6317
V 292.401	99.1060	ppb	0.2349	0.2	2810.85
Zn 206.200	3724.40	ppb	5.7534	0.2	11076.5

680-88960-a-8-a (Samp) **4/9/2013, 10:21:24 PM** **Rack 2, Tube 20**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2261	ppb	0.2795	22.8	-59.2272
Al 308.215	16381.5	ppb	19.9684	0.1	45261.1
As 188.980	26.9250	ppb	6.0558	22.5	8.2103
B 249.678	16.4236	ppb	0.6878	4.2	128.502
Ba 389.178	358.110	ppb	1.1865	0.3	5835.88
Be 313.042	0.7404	ppb	0.0035	0.5	1249.25
Ca 370.602	26202	ppb	27.91	0.1	94768
Cd 226.502	0.2848	ppb	0.2164	76.0	71.6128
Co 228.615	6.7206	ppb	0.2707	4.0	57.1038
Cr 267.716	37.1592	ppb	0.1546	0.4	590.118
Cu 324.754	46.3045	ppb	0.1472	0.3	1709.36
Fe 271.441	24227.6	ppb	33.0654	0.1	17852.1
K 766.491	3945.34	ppb	3.3264	0.1	492992
Mg 279.078	3488.13	ppb	10.2918	0.3	3802.10
Mn 257.610	847.990	ppb	1.2085	0.1	80218.3
Mo 202.032	1.4918	ppb	0.8758	58.7	1.3682
Na 330.237	314.963	ppb	37.5544	11.9	3.3823
Ni 231.604	15.0729	ppb	0.6169	4.1	43.4374
Pb 220.353	85.5166	ppb	1.8967	2.2	71.6567
Sb 206.834	6.4572	ppb	3.8175	59.1	5.0502
Se 196.026	-9.6200	ppb	2.7362	28.4	-0.8410
Sn 189.925	15.5286	ppb	2.7825	17.9	10.6800
Sr 216.596	168.119	ppb	1.6245	1.0	996.523
Ti 334.941	600.336	ppb	0.3803	0.1	126941

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-3.2143	ppb	2.8335	88.2	-2.0048
V 292.401	36.3788	ppb	0.0448	0.1	1048.54
Zn 206.200	299.066	ppb	0.8618	0.3	892.910

680-88960-a-11-a (Samp) **4/9/2013, 10:26:52 PM** **Rack 2, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3842b	ppb	1.0226	73.9	-36.6586
Al 308.215	67438.6b	ppb	88.9052	0.1	186219
As 188.980	56.6171b	ppb	7.2055	12.7	9.9588
B 249.678	262.849b	ppb	1.2166	0.5	2193.39
Ba 389.178	5514.82b	ppb	3.6364	0.1	89753.8
Be 313.042	1.7056b	ppb	0.0083	0.5	2916.09
Ca 370.602	680282b	ppb	1838	0.3	2566280
Cd 226.502	5.0494b	ppb	0.4331	8.6	214.628
Co 228.615	24.9774b	ppb	0.3651	1.5	215.413
Cr 267.716	97.7098b	ppb	0.0595	0.1	1559.08
Cu 324.754	268.195b	ppb	0.8948	0.3	7899.32
Fe 271.441	42471.4b	ppb	46.0345	0.1	31297.8
K 766.491	43624.7xb	ppb	432.343	1.0	5427080
Mg 279.078	25987.5b	ppb	36.8372	0.1	28614.3
Mn 257.610	8932.96b	ppb	3.4018	0.0	844204
Mo 202.032	4.5975b	ppb	0.4587	10.0	10.0937
Na 330.237	2882.55b	ppb	122.786	4.3	158.216
Ni 231.604	35.1272b	ppb	1.6080	4.6	102.488
Pb 220.353	193.936b	ppb	3.6958	1.9	155.858
Sb 206.834	5.7370b	ppb	7.7801	135.6	10.1887
Se 196.026	7.3176b	ppb	8.5079	116.3	6.9529
Sn 189.925	32.4933b	ppb	2.5008	7.7	18.7084
Sr 216.596	3305.80b	ppb	5.6000	0.2	19516.0
Ti 334.941	1397.74b	ppb	1.7523	0.1	296258
Tl 190.794	-12.4082b	ppb	9.5587	77.0	-12.6078
V 292.401	86.6337b	ppb	0.2933	0.3	2452.15
Zn 206.200	819.895b	ppb	1.8986	0.2	2441.99

680-88960-a-12-a (Samp) **4/9/2013, 10:32:19 PM** **Rack 2, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7238	ppb	0.6058	83.7	-23.9005
Al 308.215	57250.2	ppb	79.1776	0.1	158090
As 188.980	318.706	ppb	8.2625	2.6	100.799
B 249.678	229.252	ppb	0.1702	0.1	1827.85
Ba 389.178	4870.23	ppb	7.4553	0.2	79321.3
Be 313.042	1.9153	ppb	0.0028	0.1	3239.75
Ca 370.602	646980	ppb	1323	0.2	2434098
Cd 226.502	10.6177	ppb	0.4446	4.2	404.210
Co 228.615	31.1683	ppb	0.6352	2.0	273.000
Cr 267.716	704.233	ppb	2.1096	0.3	11243.1
Cu 324.754	503.671	ppb	1.6040	0.3	16435.5
Fe 271.441	77145.0	ppb	144.123	0.2	56849.4
K 766.491	36034.0	ppb	50.4565	0.1	4483092

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	30808.2	ppb	45.5415	0.1	33828.2
Mn 257.610	9816.51	ppb	25.1141	0.3	927742
Mo 202.032	7.5577	ppb	0.4653	6.2	15.5234
Na 330.237	2738.10	ppb	93.1949	3.4	130.961
Ni 231.604	103.693	ppb	2.5519	2.5	300.079
Pb 220.353	496.083	ppb	1.9759	0.4	406.589
Sb 206.834	10.9304	ppb	7.5636	69.2	18.5099
Se 196.026	3.6032	ppb	6.4905	180.1	5.4764
Sn 189.925	71.8481	ppb	1.7503	2.4	42.7321
Sr 216.596	2696.59	ppb	6.8228	0.3	15938.6
Ti 334.941	1995.50	ppb	5.0067	0.3	422652
Tl 190.794	-13.2786	ppb	9.4227	71.0	-13.5536
V 292.401	114.240	ppb	0.2699	0.2	3202.44
Zn 206.200	2511.49	ppb	6.6290	0.3	7468.91

680-88960-a-13-a (Samp) **4/9/2013, 10:37:47 PM** **Rack 2, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8897	ppb	0.1784	20.0	-44.3145
Al 308.215	24867.0	ppb	52.6729	0.2	68689.0
As 188.980	74.4907	ppb	9.8651	13.2	23.1398
B 249.678	43.3414	ppb	1.0525	2.4	366.879
Ba 389.178	1255.21	ppb	6.0206	0.5	20432.3
Be 313.042	1.1936	ppb	0.0059	0.5	1976.20
Ca 370.602	144292	ppb	600.6	0.4	542233
Cd 226.502	1.7360	ppb	0.2712	15.6	96.1703
Co 228.615	10.0033	ppb	0.3992	4.0	84.6140
Cr 267.716	338.659	ppb	2.3301	0.7	5416.16
Cu 324.754	82.1424	ppb	0.6996	0.9	2673.08
Fe 271.441	20571.6	ppb	99.9836	0.5	15157.7
K 766.491	13187.0	ppb	43.1166	0.3	1642258
Mg 279.078	9832.13	ppb	13.2090	0.1	10829.4
Mn 257.610	2211.55	ppb	11.9740	0.5	209066
Mo 202.032	2.8177	ppb	0.7052	25.0	6.3728
Na 330.237	736.442	ppb	45.4328	6.2	32.3612
Ni 231.604	18.5819	ppb	0.2030	1.1	53.4578
Pb 220.353	95.9953	ppb	6.5378	6.8	79.1982
Sb 206.834	8.8498	ppb	6.8768	77.7	10.1267
Se 196.026	1.1499	ppb	5.2275	454.6	2.6859
Sn 189.925	24.6386	ppb	1.7713	7.2	15.7601
Sr 216.596	619.261	ppb	1.7815	0.3	3657.43
Ti 334.941	670.635	ppb	3.6864	0.5	141949
Tl 190.794	-10.8717	ppb	1.0679	9.8	-6.3289
V 292.401	51.5661	ppb	0.3388	0.7	1454.77
Zn 206.200	390.446	ppb	1.5050	0.4	1163.55

680-88960-a-16-a (Samp) **4/9/2013, 10:43:15 PM** **Rack 2, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3853	ppb	1.1151	80.5	14.8390
Al 308.215	48736.9	ppb	2571.57	5.3	134583

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	74.8675	ppb	10.5350	14.1	21.7839
B 249.678	147.440	ppb	6.0831	4.1	1062.37
Ba 389.178	2252.16	ppb	120.471	5.3	36754.6
Be 313.042	2.0569	ppb	0.1541	7.5	3341.05
Ca 370.602	251884	ppb	17165	6.8	933912
Cd 226.502	3.6647	ppb	0.7456	20.3	312.149
Co 228.615	33.8628	ppb	3.2404	9.6	287.959
Cr 267.716	372.265	ppb	20.0947	5.4	5911.18
Cu 324.754	905.537	ppb	75.2093	8.3	31908.6
Fe 271.441	106326	ppb	5823.96	5.5	78354.6
K 766.491	20234.6	ppb	836.276	4.1	2518597
Mg 279.078	16956.4	ppb	868.205	5.1	18416.8
Mn 257.610	4544.53	ppb	248.776	5.5	429618
Mo 202.032	42.8719	ppb	2.0799	4.9	130.662
Na 330.237	2151.21	ppb	45.3649	2.1	78.9711
Ni 231.604	96.1267	ppb	4.2282	4.4	279.704
Pb 220.353	852.101	ppb	51.4287	6.0	702.529
Sb 206.834	19.2513	ppb	2.5786	13.4	18.3175
Se 196.026	7.4308	ppb	5.2169	70.2	3.7491
Sn 189.925	96.2880	ppb	3.5799	3.7	58.8613
Sr 216.596	1272.16	ppb	67.8884	5.3	7543.33
Ti 334.941	1668.49	ppb	91.5260	5.5	353062
Tl 190.794	-10.1568	ppb	1.6953	16.7	-9.9368
V 292.401	104.128	ppb	5.4086	5.2	2942.36
Zn 206.200	1168.69	ppb	63.2369	5.4	3478.95

Cont Calib Verif (CCV) **4/9/2013, 10:48:42 PM** **Rack 2, Tube 25**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	493.636	ppb	1.1887	0.2	14853.9	98.72718
Al 308.215	4975.44	ppb	8.4064	0.2	14020.1	99.50883
As 188.980	484.468	ppb	0.5956	0.1	167.004	96.89369
B 249.678	507.745	ppb	1.1339	0.2	4376.26	20.30981Q
Ba 389.178	5102.42	ppb	7.5047	0.1	82993.6	102.04835
Be 313.042	516.190	ppb	1.0422	0.2	785544	103.23799
Ca 370.602	5043	ppb	4.680	0.1	18368	100.85790
Cd 226.502	511.871	ppb	0.7377	0.1	11084.3	102.37421
Co 228.615	513.610	ppb	1.5374	0.3	4054.32	102.72201
Cr 267.716	5207.86	ppb	7.6843	0.1	83275.6	104.15726
Cu 324.754	5032.06	ppb	37.7357	0.7	180279	100.64120
Fe 271.441	5024.26	ppb	17.4929	0.3	3759.86	100.48522
K 766.491	10023.2	ppb	14.3783	0.1	1247735	100.23190
Mg 279.078	4915.24	ppb	6.9452	0.1	5437.71	98.30483
Mn 257.610	5322.67	ppb	8.5654	0.2	502984	106.45334
Mo 202.032	492.373	ppb	4.5110	0.9	1647.44	98.47453
Na 330.237	7486.23	ppb	95.7833	1.3	486.852	99.81636
Ni 231.604	2576.48	ppb	7.6122	0.3	7343.68	103.05926
Pb 220.353	491.484	ppb	9.4295	1.9	404.206	98.29681
Sb 206.834	922.898	ppb	12.1082	1.3	619.096	36.91592Q
Se 196.026	4875.81	ppb	7.0429	0.1	1269.67	97.51620
Sn 189.925	4941.79	ppb	10.7778	0.2	2983.80	98.83584
Sr 216.596	2506.07	ppb	4.7312	0.2	14654.8	100.24274
Ti 334.941	495.359	ppb	1.2046	0.2	105034	99.07190

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4954.90	ppb	11.5645	0.2	2196.37	99.09794
V 292.401	4901.63	ppb	9.8928	0.2	137406	98.03268
Zn 206.200	2596.93	ppb	7.1812	0.3	7703.82	103.87733

Cont Calib Blank (CCB) **4/9/2013, 10:54:09 PM** **Rack 2, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0850	ppb	0.4140	487.0	-21.9694	-0.08501
Al 308.215	-4.0675	ppb	4.6359	114.0	24.7781	-4.06751
As 188.980	1.6371	ppb	2.7622	168.7	-0.1456	1.63710
B 249.678	0.9248	ppb	0.4318	46.7	50.7485	0.92481
Ba 389.178	-0.0294	ppb	1.2623	4297.6	-21.9611	-0.02937
Be 313.042	-0.0651	ppb	0.0251	38.5	-1.0322	-0.06511
Ca 370.602	-1.387	ppb	2.548	183.8	-66.01	-1.38673
Cd 226.502	-0.0953	ppb	0.1293	135.7	13.5621	-0.09526
Co 228.615	-1.0871	ppb	0.8830	81.2	-13.3701	-1.08706
Cr 267.716	0.4782	ppb	0.3077	64.3	15.0780	0.47821
Cu 324.754	-0.0275	ppb	0.5631	2051.3	113.778	-0.02745
Fe 271.441	0.5535	ppb	4.5103	814.8	-2.1851	0.55354
K 766.491	-0.6470	ppb	0.2972	45.9	2273.51	-0.64701
Mg 279.078	-3.2311	ppb	4.7487	147.0	23.2845	-3.23112
Mn 257.610	0.1322	ppb	0.1921	145.2	67.6876	0.13223
Mo 202.032	0.4939	ppb	0.3975	80.5	0.9078	0.49387
Na 330.237	39.5735	ppb	152.245	384.7	0.5083	39.57346
Ni 231.604	1.4510	ppb	1.0436	71.9	3.0705	1.45105
Pb 220.353	2.2493	ppb	3.7651	167.4	4.5921	2.24926
Sb 206.834	2.1568	ppb	1.0002	46.4	2.1478	2.15682
Se 196.026	-4.9876	ppb	5.2013	104.3	0.4585	-4.98764
Sn 189.925	-1.7713	ppb	2.1014	118.6	0.1868	-1.77129
Sr 216.596	-0.5883	ppb	0.5409	91.9	-9.1521	-0.58826
Ti 334.941	0.0052	ppb	0.0453	877.8	-28.7351	0.00516
Tl 190.794	0.0905	ppb	0.4254	470.0	0.3924	0.09051
V 292.401	-0.0512	ppb	0.0755	147.5	18.1380	-0.05118
Zn 206.200	0.0564	ppb	0.3487	618.1	3.5713	0.05641

680-88960-a-17-a (Samp) **4/9/2013, 10:59:36 PM** **Rack 2, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.7269	ppb	0.8579	23.0	70.8926
Al 308.215	39108.6	ppb	62.5664	0.2	107994
As 188.980	253.375	ppb	1.5762	0.6	84.5071
B 249.678	93.0096	ppb	0.9406	1.0	457.892
Ba 389.178	1903.77	ppb	3.7542	0.2	31152.4
Be 313.042	1.1975	ppb	0.0120	1.0	2001.71
Ca 370.602	154814	ppb	595.2	0.4	555465
Cd 226.502	10.5531	ppb	0.1669	1.6	584.363
Co 228.615	27.4186	ppb	0.4707	1.7	233.887
Cr 267.716	429.679	ppb	1.7588	0.4	6795.20
Cu 324.754	973.495	ppb	6.2335	0.6	34633.8
Fe 271.441	167863	ppb	349.314	0.2	123702
K 766.491	12847.3	ppb	11.6626	0.1	1599834

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	13511.7	ppb	24.3718	0.2	14400.6
Mn 257.610	3512.64	ppb	8.5077	0.2	332177
Mo 202.032	20.3677	ppb	0.8825	4.3	47.0781
Na 330.237	1211.42	ppb	23.4018	1.9	-5.5931
Ni 231.604	99.7260	ppb	0.9057	0.9	293.454
Pb 220.353	1381.53	ppb	4.7385	0.3	1141.87
Sb 206.834	19.8776	ppb	4.8153	24.2	20.4678
Se 196.026	14.1444	ppb	11.0352	78.0	3.9371
Sn 189.925	78.5480	ppb	2.4386	3.1	48.4459
Sr 216.596	762.973	ppb	0.6341	0.1	4567.71
Ti 334.941	1349.24	ppb	1.9329	0.1	285458
Tl 190.794	-5.2858	ppb	7.7853	147.3	-9.4472
V 292.401	83.5997	ppb	0.2598	0.3	2379.02
Zn 206.200	3385.75	ppb	1.4241	0.0	10070.2

680-88960-a-18-a (Samp) **4/9/2013, 11:05:03 PM** **Rack 2, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5420	ppb	0.6135	39.8	-74.4519
Al 308.215	65203.0	ppb	32.7235	0.1	180047
As 188.980	27.6346	ppb	8.7603	31.7	8.4946
B 249.678	19.1801	ppb	0.2686	1.4	110.926
Ba 389.178	261.058	ppb	0.2691	0.1	4283.06
Be 313.042	1.2137	ppb	0.0091	0.8	2003.31
Ca 370.602	22415	ppb	7.704	0.0	77110
Cd 226.502	-0.2291	ppb	0.3413	149.0	100.155
Co 228.615	8.6534	ppb	1.0928	12.6	70.1349
Cr 267.716	77.7340	ppb	0.3131	0.4	1228.12
Cu 324.754	4.0127	ppb	0.1995	5.0	213.156
Fe 271.441	42407.8	ppb	37.4236	0.1	31250.2
K 766.491	5649.94	ppb	1.7059	0.0	705040
Mg 279.078	5971.23	ppb	15.0962	0.3	6488.65
Mn 257.610	115.749	ppb	0.2272	0.2	11057.9
Mo 202.032	2.1516	ppb	1.0538	49.0	1.8264
Na 330.237	227.312	ppb	75.0624	33.0	-10.0294
Ni 231.604	12.0847	ppb	0.6193	5.1	36.0985
Pb 220.353	71.3317	ppb	4.2450	6.0	54.5395
Sb 206.834	4.2376	ppb	4.3545	102.8	4.6459
Se 196.026	5.3020	ppb	17.0717	322.0	2.7681
Sn 189.925	10.1568	ppb	2.3986	23.6	7.4116
Sr 216.596	184.332	ppb	0.9365	0.5	1101.08
Ti 334.941	419.236	ppb	0.5800	0.1	88648.7
Tl 190.794	-6.4234	ppb	4.3076	67.1	-4.6497
V 292.401	94.0143	ppb	0.1260	0.1	2669.63
Zn 206.200	33.8895	ppb	0.9178	2.7	105.045

680-88960-a-21-a (Samp) **4/9/2013, 11:10:30 PM** **Rack 2, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5963	ppb	0.4681	78.5	-29.9971
Al 308.215	27222.0	ppb	183.093	0.7	75189.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	30.1834	ppb	7.0614	23.4	5.0102
B 249.678	92.1945	ppb	0.5055	0.5	745.565
Ba 389.178	3183.65	ppb	14.6369	0.5	51825.1
Be 313.042	1.2247	ppb	0.0059	0.5	2083.78
Ca 370.602	358552	ppb	1029	0.3	1349829
Cd 226.502	1.0663	ppb	0.3254	30.5	116.506
Co 228.615	14.4722	ppb	0.1640	1.1	128.973
Cr 267.716	32.0938	ppb	0.4982	1.6	506.602
Cu 324.754	162.282	ppb	1.7892	1.1	4970.88
Fe 271.441	37739.4	ppb	158.738	0.4	27810.0
K 766.491	18023.3	ppb	66.5799	0.4	2243307
Mg 279.078	17868.5	ppb	76.9929	0.4	19657.1
Mn 257.610	4439.99	ppb	18.2875	0.4	419663
Mo 202.032	3.3297	ppb	1.1892	35.7	5.9569
Na 330.237	1165.72	ppb	66.7408	5.7	48.3017
Ni 231.604	22.5829	ppb	1.2096	5.4	66.1560
Pb 220.353	556.109	ppb	3.2199	0.6	460.329
Sb 206.834	8.3978	ppb	3.3689	40.1	8.5013
Se 196.026	5.4979	ppb	6.5139	118.5	4.6241
Sn 189.925	43.7497	ppb	4.6205	10.6	26.6480
Sr 216.596	1732.51	ppb	9.4222	0.5	10232.1
Ti 334.941	1248.58	ppb	4.9682	0.4	264368
Tl 190.794	-18.2445	ppb	7.5896	41.6	-11.8430
V 292.401	58.1519	ppb	0.3577	0.6	1662.12
Zn 206.200	394.063	ppb	3.5540	0.9	1176.09

680-88960-a-22-a (Samp) **4/9/2013, 11:15:57 PM** **Rack 2, Tube 30**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2657	ppb	0.5779	45.7	-72.1783
Al 308.215	90928.0	ppb	72.1586	0.1	251067
As 188.980	28.8632	ppb	3.0027	10.4	8.8750
B 249.678	32.3344	ppb	0.7304	2.3	139.944
Ba 389.178	274.205	ppb	1.0575	0.4	4547.38
Be 313.042	1.0700	ppb	0.0046	0.4	1814.40
Ca 370.602	23057	ppb	8.316	0.0	72864
Cd 226.502	-0.6639	ppb	0.2109	31.8	166.539
Co 228.615	7.6464	ppb	0.5117	6.7	61.6987
Cr 267.716	98.5005	ppb	0.3957	0.4	1540.38
Cu 324.754	2.6225	ppb	0.2300	8.8	178.111
Fe 271.441	79178.8	ppb	47.9824	0.1	58348.2
K 766.491	15601.7	ppb	18.6596	0.1	1942864
Mg 279.078	10760.5	ppb	28.1583	0.3	11662.0
Mn 257.610	173.018	ppb	0.0907	0.1	16520.6
Mo 202.032	2.2507	ppb	1.6728	74.3	-2.2216
Na 330.237	793.674	ppb	44.8952	5.7	10.3892
Ni 231.604	14.9465	ppb	0.1678	1.1	46.5979
Pb 220.353	83.3294	ppb	4.0013	4.8	61.5145
Sb 206.834	3.6185	ppb	2.6355	72.8	5.4355
Se 196.026	10.6988	ppb	8.2300	76.9	3.6886
Sn 189.925	9.3004	ppb	1.3613	14.6	6.8800
Sr 216.596	250.203	ppb	1.3369	0.5	1506.20
Ti 334.941	339.989	ppb	0.1293	0.0	71896.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-5.2137	ppb	7.4691	143.3	-5.8345
V 292.401	140.815	ppb	0.2719	0.2	3990.56
Zn 206.200	40.0005	ppb	0.5856	1.5	124.150

680-88960-a-23-a (Samp) **4/9/2013, 11:21:24 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5228	ppb	0.5360	35.2	-84.0817
Al 308.215	91016.0	ppb	4328.13	4.8	251307
As 188.980	38.5493	ppb	2.5212	6.5	12.2121
B 249.678	23.2828	ppb	0.7734	3.3	9.6395
Ba 389.178	354.678	ppb	16.5229	4.7	5880.60
Be 313.042	3.4343	ppb	0.1737	5.1	5398.06
Ca 370.602	21365	ppb	725.2	3.4	62214
Cd 226.502	-0.8536	ppb	0.2716	31.8	209.616
Co 228.615	12.2643	ppb	0.2404	2.0	97.9119
Cr 267.716	109.835	ppb	4.9403	4.5	1709.10
Cu 324.754	1.3598	ppb	0.0472	3.5	148.181
Fe 271.441	102567	ppb	4878.56	4.8	75583.8
K 766.491	10062.2	ppb	417.252	4.1	1253823
Mg 279.078	9757.27	ppb	424.392	4.3	10473.4
Mn 257.610	142.026	ppb	6.8220	4.8	13615.4
Mo 202.032	1.7109	ppb	0.8118	47.4	-6.9809
Na 330.237	1425.97	ppb	151.133	10.6	41.1919
Ni 231.604	16.1532	ppb	1.3384	8.3	51.3715
Pb 220.353	81.7197	ppb	0.3299	0.4	60.0508
Sb 206.834	3.8074	ppb	2.4680	64.8	6.3118
Se 196.026	11.0571	ppb	9.4617	85.6	3.3704
Sn 189.925	10.2277	ppb	3.6413	35.6	7.4381
Sr 216.596	280.863	ppb	11.2385	4.0	1697.35
Ti 334.941	290.233	ppb	13.7840	4.7	61375.6
Tl 190.794	-3.9075	ppb	8.0893	207.0	-6.1887
V 292.401	140.246	ppb	6.6020	4.7	3978.30
Zn 206.200	38.6457	ppb	2.2986	5.9	120.598

mb 680-272098/1-a (Samp) **4/9/2013, 11:26:52 PM** **Rack 2, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9295	ppb	0.3593	38.7	-47.4930
Al 308.215	41.9992	ppb	0.8516	2.0	151.902
As 188.980	-2.8203	ppb	2.7907	99.0	-1.6826
B 249.678	0.4742	ppb	0.6846	144.4	45.8164
Ba 389.178	-0.5137	ppb	0.3788	73.7	-29.2891
Be 313.042	-0.1056	ppb	0.0050	4.8	-62.8084
Ca 370.602	21.94	ppb	2.365	10.8	-63.69
Cd 226.502	-0.0979	ppb	0.2138	218.5	14.4655
Co 228.615	-1.0611	ppb	0.3411	32.1	-13.1681
Cr 267.716	0.6137	ppb	0.2803	45.7	16.9970
Cu 324.754	-0.4759	ppb	0.2605	54.7	97.8758
Fe 271.441	475.428	ppb	12.6297	2.7	347.762
K 766.491	8.7321	ppb	0.5628	6.4	3440.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	1.9405	ppb	3.7607	193.8	27.4022
Mn 257.610	1.3129	ppb	0.0424	3.2	179.778
Mo 202.032	0.6894	ppb	0.1862	27.0	1.5077
Na 330.237	-15.5332	ppb	132.817	855.0	-3.3238
Ni 231.604	1.2074	ppb	0.4994	41.4	2.4037
Pb 220.353	0.7125	ppb	0.9442	132.5	3.3102
Sb 206.834	5.8769	ppb	0.6521	11.1	4.5002
Se 196.026	-0.9188	ppb	6.1695	671.5	1.5083
Sn 189.925	6.8850	ppb	1.8769	27.3	5.4110
Sr 216.596	-0.7299	ppb	0.5981	81.9	-9.7734
Ti 334.941	0.2492	ppb	0.0686	27.5	22.9160
Tl 190.794	-4.0060	ppb	2.5346	63.3	-1.4391
V 292.401	-0.5160	ppb	0.2285	44.3	4.9911
Zn 206.200	2.5518	ppb	0.4977	19.5	10.9998

lcs 680-272098/2-a (Samp) **4/9/2013, 11:32:19 PM** **Rack 2, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0220	ppb	0.2092	0.4	1488.66
Al 308.215	5010.50	ppb	6.2477	0.1	13875.4
As 188.980	97.9781	ppb	5.9841	6.1	33.0111
B 249.678	186.771	ppb	0.5464	0.3	1627.58
Ba 389.178	103.122	ppb	0.5858	0.6	1671.15
Be 313.042	52.7306	ppb	0.0631	0.1	80092.6
Ca 370.602	5014	ppb	8.703	0.2	18016
Cd 226.502	52.0420	ppb	0.4292	0.8	1150.44
Co 228.615	51.6249	ppb	0.8188	1.6	402.735
Cr 267.716	105.633	ppb	0.2856	0.3	1694.34
Cu 324.754	102.802	ppb	0.7990	0.8	3785.35
Fe 271.441	5064.33	ppb	2.9381	0.1	3732.67
K 766.491	5004.45	ppb	4.7650	0.1	624794
Mg 279.078	4894.37	ppb	9.7103	0.2	5422.65
Mn 257.610	542.742	ppb	0.5151	0.1	51354.3
Mo 202.032	102.307	ppb	2.0324	2.0	342.930
Na 330.237	4608.32	ppb	79.3944	1.7	297.020
Ni 231.604	103.398	ppb	1.8933	1.8	294.026
Pb 220.353	47.8469	ppb	3.8268	8.0	41.5672
Sb 206.834	51.2488	ppb	4.6467	9.1	33.8163
Se 196.026	103.315	ppb	6.1020	5.9	28.6848
Sn 189.925	207.982	ppb	2.8448	1.4	126.783
Sr 216.596	100.055	ppb	0.1336	0.1	580.852
Ti 334.941	99.3813	ppb	0.1151	0.1	20996.0
Tl 190.794	33.6011	ppb	3.8103	11.3	15.0582
V 292.401	99.1828	ppb	0.1909	0.2	2779.27
Zn 206.200	102.283	ppb	0.0937	0.1	307.327

lcs 680-272098/3-a (Samp) **4/9/2013, 11:37:46 PM** **Rack 2, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	201.279	ppb	1.5449	0.8	6049.51
Al 308.215	2031.98	ppb	7.0259	0.3	5657.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	197.320	ppb	6.4036	3.2	67.0581
B 249.678	374.194	ppb	1.3885	0.4	3195.95
Ba 389.178	194.048	ppb	1.3516	0.7	3195.39
Be 313.042	206.809	ppb	0.3026	0.1	313742
Ca 370.602	20186	ppb	54.32	0.3	72640
Cd 226.502	203.681	ppb	0.5105	0.3	4457.77
Co 228.615	203.107	ppb	0.2204	0.1	1598.97
Cr 267.716	208.870	ppb	0.3170	0.2	3338.37
Cu 324.754	204.746	ppb	0.8712	0.4	7403.67
Fe 271.441	20709.3	ppb	60.9169	0.3	15269.6
K 766.491	19675.9	ppb	60.6001	0.3	2449647
Mg 279.078	19590.4	ppb	15.9129	0.1	21622.9
Mn 257.610	2126.06	ppb	3.6189	0.2	201007
Mo 202.032	199.168	ppb	1.2342	0.6	666.847
Na 330.237	17925.0	ppb	106.851	0.6	1161.89
Ni 231.604	205.051	ppb	1.5581	0.8	585.032
Pb 220.353	195.108	ppb	3.9470	2.0	163.565
Sb 206.834	184.952	ppb	2.1600	1.2	120.374
Se 196.026	200.923	ppb	7.1310	3.5	54.2272
Sn 189.925	204.257	ppb	0.9367	0.5	124.509
Sr 216.596	209.298	ppb	0.7026	0.3	1226.67
Ti 334.941	197.503	ppb	0.2901	0.1	41766.2
Tl 190.794	30.5861	ppb	7.4207	24.3	13.3027
V 292.401	199.359	ppb	0.7471	0.4	5567.71
Zn 206.200	191.454	ppb	0.1287	0.1	572.854

640-43026-b-1-a (Samp) **4/9/2013, 11:43:14 PM** **Rack 2, Tube 35**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.2926b	ppb	0.1662	2.6	-51.4220
Al 308.215	43979.8b	ppb	38.5526	0.1	121348
As 188.980	-30.4388b	ppb	4.9830	16.4	-13.3875
B 249.678	1030.14b	ppb	2.8141	0.3	6203.72
Ba 389.178	2042.00b	ppb	0.8785	0.0	34545.9
Be 313.042	1.8210b	ppb	0.0065	0.4	2905.97
Ca 370.602	118748b	ppb	26.27	0.0	238683
Cd 226.502	10.4122b	ppb	0.6517	6.3	2593.33
Co 228.615	79.7188b	ppb	0.9297	1.2	719.142
Cr 267.716	4741.54b	ppb	4.5857	0.1	75237.7
Cu 324.754	9434.70b	ppb	14.5769	0.2	338238
Fe 271.441	1165558xb	ppb	1951.03	0.2	858930
K 766.491	188139xb	ppb	69.3577	0.0	23403008
Mg 279.078	17496.3b	ppb	11.4885	0.1	15434.8
Mn 257.610	7195.38b	ppb	9.5058	0.1	681295
Mo 202.032	253.647b	ppb	0.5044	0.2	707.038
Na 330.237	118628xb	ppb	156.009	0.1	7195.73
Ni 231.604	2380.63b	ppb	3.6430	0.2	6851.68
Pb 220.353	939.370b	ppb	9.7659	1.0	765.403
Sb 206.834	39.5636b	ppb	11.2554	28.4	88.4075
Se 196.026	10.6985b	ppb	4.6799	43.7	-13.0684
Sn 189.925	665.494b	ppb	3.8934	0.6	404.027
Sr 216.596	249.050b	ppb	1.6601	0.7	1899.75
Ti 334.941	5548.65b	ppb	10.3164	0.2	1173625

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-7.9554b	ppb	9.6012	120.7	-47.2771
V 292.401	115.860b	ppb	0.2840	0.2	3205.11
Zn 206.200	6178.97b	ppb	9.2321	0.1	18380.5

640-43026-b-2-a (Samp) **4/9/2013, 11:48:42 PM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.0281b	ppb	1.4627	24.3	-142.628
Al 308.215	47346.8b	ppb	1105.24	2.3	130584
As 188.980	-71.7548b	ppb	6.3960	8.9	-28.5611
B 249.678	613.887b	ppb	2.6836	0.4	1406.34
Ba 389.178	1570.31b	ppb	40.5497	2.6	27493.1
Be 313.042	1.2362b	ppb	0.0258	2.1	2036.45
Ca 370.602	148983b	ppb	2184	1.5	253915
Cd 226.502	11.4657b	ppb	5.0231	43.8	3719.92
Co 228.615	70.9988b	ppb	1.3833	1.9	648.491
Cr 267.716	4697.71b	ppb	117.389	2.5	74248.5
Cu 324.754	19195.9b	ppb	505.484	2.6	688042
Fe 271.441	1713723xb	ppb	36803.5	2.1	1262889
K 766.491	161820xb	ppb	3550.18	2.2	20129520
Mg 279.078	17109.2b	ppb	309.652	1.8	13152.7
Mn 257.610	11661.4b	ppb	268.374	2.3	1103863
Mo 202.032	218.597b	ppb	2.1120	1.0	520.279
Na 330.237	51395.0b	ppb	873.246	1.7	2545.21
Ni 231.604	2006.44b	ppb	50.0397	2.5	5817.49
Pb 220.353	1249.74b	ppb	28.1826	2.3	1019.20
Sb 206.834	39.5514b	ppb	7.3329	18.5	103.044
Se 196.026	22.5106b	ppb	21.0549	93.5	-18.2719
Sn 189.925	658.439b	ppb	18.8943	2.9	399.551
Sr 216.596	261.305b	ppb	10.9167	4.2	2228.20
Ti 334.941	4775.43b	ppb	126.474	2.6	1010163
Tl 190.794	-21.8918b	ppb	14.3510	65.6	-75.8169
V 292.401	119.060b	ppb	3.1445	2.6	3400.67
Zn 206.200	10699.2b	ppb	251.903	2.4	31829.5

Cont Calib Verif (CCV) **4/9/2013, 11:54:09 PM** **Rack 2, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.262	ppb	1.6804	0.3	14993.2	99.65231
Al 308.215	5002.79	ppb	1.9619	0.0	14097.2	100.05574
As 188.980	485.420	ppb	4.9059	1.0	167.337	97.08399
B 249.678	511.732	ppb	1.2253	0.2	4410.14	20.46929Q
Ba 389.178	5131.99	ppb	11.9562	0.2	83474.9	102.63983
Be 313.042	519.215	ppb	1.4121	0.3	790148	103.84296
Ca 370.602	5065	ppb	4.895	0.1	18435	101.30273
Cd 226.502	514.827	ppb	1.2219	0.2	11148.4	102.96549
Co 228.615	516.275	ppb	2.3819	0.5	4075.40	103.25508
Cr 267.716	5242.60	ppb	18.8925	0.4	83831.1	104.85209
Cu 324.754	5087.61	ppb	7.2986	0.1	182269	101.75224
Fe 271.441	5131.98	ppb	8.8425	0.2	3839.61	102.63950
K 766.491	10087.0	ppb	24.7424	0.2	1255667	100.87023

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4952.05	ppb	8.9373	0.2	5478.02	99.04108
Mn 257.610	5357.75	ppb	19.6177	0.4	506298	107.15494
Mo 202.032	495.937	ppb	3.5818	0.7	1659.37	99.18745
Na 330.237	7423.76	ppb	74.3162	1.0	482.708	98.98352
Ni 231.604	2592.33	ppb	4.7139	0.2	7388.86	103.69324
Pb 220.353	498.750	ppb	3.5257	0.7	410.189	99.74995
Sb 206.834	927.926	ppb	1.8290	0.2	622.486	37.11705Q
Se 196.026	4904.38	ppb	41.4722	0.8	1277.10	98.08752
Sn 189.925	4980.56	ppb	18.0260	0.4	3007.20	99.61121
Sr 216.596	2516.96	ppb	4.6978	0.2	14718.3	100.67833
Ti 334.941	498.681	ppb	1.7219	0.3	105739	99.73628
Tl 190.794	5001.76	ppb	6.6067	0.1	2217.12	100.03518
V 292.401	4933.37	ppb	9.1537	0.2	138296	98.66742
Zn 206.200	2610.66	ppb	7.7833	0.3	7744.50	104.42630

Cont Calib Blank (CCB) **4/9/2013, 11:59:37 PM** **Rack 2, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0648	ppb	0.4431	684.2	-17.4582	0.06476
Al 308.215	-3.8525	ppb	1.7309	44.9	25.3798	-3.85245
As 188.980	3.2676	ppb	2.9276	89.6	0.4166	3.26762
B 249.678	1.3424	ppb	0.4992	37.2	54.2742	1.34243
Ba 389.178	0.4575	ppb	0.4196	91.7	-14.0300	0.45749
Be 313.042	-0.0699	ppb	0.0046	6.5	-8.4213	-0.06990
Ca 370.602	-3.710	ppb	1.441	38.8	-77.73	-3.71045
Cd 226.502	-0.1211	ppb	0.1772	146.3	13.0368	-0.12110
Co 228.615	-0.8330	ppb	0.4218	50.6	-11.3739	-0.83305
Cr 267.716	0.6453	ppb	0.2670	41.4	17.7421	0.64529
Cu 324.754	0.0735	ppb	0.0198	27.0	117.409	0.07351
Fe 271.441	17.6550	ppb	5.1791	29.3	10.4163	17.65495
K 766.491	2.7101	ppb	0.1711	6.3	2690.95	2.71007
Mg 279.078	-3.5206	ppb	0.8893	25.3	22.9098	-3.52058
Mn 257.610	0.0903	ppb	0.0737	81.6	63.7292	0.09025
Mo 202.032	0.5833	ppb	0.0967	16.6	1.2072	0.58335
Na 330.237	-56.1930	ppb	73.0526	130.0	-5.7766	-56.19298
Ni 231.604	0.5868	ppb	1.1530	196.5	0.6094	0.58679
Pb 220.353	0.0985	ppb	1.2021	1220.3	2.8092	0.09850
Sb 206.834	3.5634	ppb	0.8453	23.7	3.0433	3.56344
Se 196.026	12.8167	ppb	12.3090	96.0	5.0846	12.81669Z
Sn 189.925	-2.6432	ppb	3.7702	142.6	-0.3394	-2.64318
Sr 216.596	-0.0021	ppb	0.3653	17284.8	-5.6718	-0.00211
Ti 334.941	0.0098	ppb	0.0408	416.2	-27.7491	0.00979
Tl 190.794	-0.1758	ppb	3.3593	1911.4	0.2733	-0.17575
V 292.401	-0.1834	ppb	0.0787	42.9	14.2626	-0.18339
Zn 206.200	-0.3408	ppb	0.1830	53.7	2.3910	-0.34075

640-43026-b-3-a (Samp) **4/10/2013, 12:05:04 AM** **Rack 2, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.9017b	ppb	0.6380	7.2	57.3106
Al 308.215	6804.65b	ppb	13.5291	0.2	18702.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	31.3716b	ppb	3.7101	11.8	7.1663
B 249.678	118.115b	ppb	1.0853	0.9	-1685.62
Ba 389.178	765.385b	ppb	0.9572	0.1	13819.9
Be 313.042	0.2699b	ppb	0.0034	1.3	549.934
Ca 370.602	146035b	ppb	31.12	0.0	333708
Cd 226.502	3.2283b	ppb	0.8648	26.8	2521.79
Co 228.615	89.7217b	ppb	0.4575	0.5	727.471
Cr 267.716	2091.69b	ppb	3.3025	0.2	32828.0
Cu 324.754	2794.15b	ppb	5.4871	0.2	100352
Fe 271.441	1208681xb	ppb	2698.85	0.2	890712
K 766.491	16427.1b	ppb	10.5369	0.1	2045366
Mg 279.078	13027.4b	ppb	20.4949	0.2	10346.6
Mn 257.610	8296.07b	ppb	10.7194	0.1	785276
Mo 202.032	163.854b	ppb	2.3011	1.4	399.023
Na 330.237	2680.30b	ppb	68.4039	2.6	-390.420
Ni 231.604	1154.11b	ppb	6.3653	0.6	3358.94
Pb 220.353	876.024b	ppb	20.4967	2.3	719.014
Sb 206.834	14.2928b	ppb	9.1508	64.0	58.6116
Se 196.026	-14.2022b	ppb	10.7871	76.0	-20.1313
Sn 189.925	234.861b	ppb	6.6754	2.8	142.773
Sr 216.596	143.885b	ppb	2.3793	1.7	1351.16
Ti 334.941	408.913b	ppb	2.1429	0.5	86743.8
Tl 190.794	-7.8097b	ppb	12.2651	157.0	-51.9079
V 292.401	54.7870b	ppb	0.3342	0.6	1627.87
Zn 206.200	3859.54b	ppb	0.1008	0.0	11496.7

640-43026-b-4-a (Samp) **4/10/2013, 12:10:31 AM** **Rack 2, Tube 40**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	7.1870b	ppb	0.6106	8.5	-34.6627
Al 308.215	28675.9b	ppb	66.4723	0.2	79074.1
As 188.980	-24.9608b	ppb	5.4091	21.7	-12.3446
B 249.678	524.937b	ppb	2.5427	0.5	1493.08
Ba 389.178	1193.55b	ppb	1.5642	0.1	20937.2
Be 313.042	0.7893b	ppb	0.0173	2.2	1354.17
Ca 370.602	156069b	ppb	1137	0.7	348121
Cd 226.502	9.4773b	ppb	0.5421	5.7	2922.62
Co 228.615	70.9360b	ppb	1.5138	2.1	614.300
Cr 267.716	3134.17b	ppb	6.6184	0.2	49433.6
Cu 324.754	7003.78b	ppb	45.0667	0.6	251154
Fe 271.441	1339405xb	ppb	1646.08	0.1	987045
K 766.491	108628xb	ppb	32.2768	0.0	13513472
Mg 279.078	15268.3b	ppb	65.4426	0.4	12383.2
Mn 257.610	7921.28b	ppb	24.9887	0.3	750040
Mo 202.032	185.454b	ppb	1.9241	1.0	455.460
Na 330.237	40357.5b	ppb	164.953	0.4	2004.10
Ni 231.604	1402.69b	ppb	4.0953	0.3	4075.08
Pb 220.353	1386.00b	ppb	0.8358	0.1	1137.57
Sb 206.834	40.0905b	ppb	10.0399	25.0	83.2390
Se 196.026	-11.1946b	ppb	19.9401	178.1	-21.4961
Sn 189.925	659.339b	ppb	7.0063	1.1	399.521
Sr 216.596	210.382b	ppb	1.5049	0.7	1790.60
Ti 334.941	2789.62b	ppb	3.4898	0.1	590200

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-6.1627b	ppb	8.0652	130.9	-55.2047
V 292.401	93.2142b	ppb	0.8655	0.9	2689.46
Zn 206.200	6197.20b	ppb	8.0953	0.1	18444.6

680-89034-a-1-a (Samp) **4/10/2013, 12:15:59 AM** **Rack 2, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0039	ppb	0.6538	6.5	315.437
Al 308.215	16727.3	ppb	28.4724	0.2	46217.0
As 188.980	8.4054	ppb	3.3699	40.1	2.0309
B 249.678	51.3254	ppb	0.9044	1.8	432.567
Ba 389.178	665.857	ppb	0.6110	0.1	10836.7
Be 313.042	0.3434	ppb	0.0102	3.0	633.364
Ca 370.602	14818	ppb	13.61	0.1	52404
Cd 226.502	162.999	ppb	0.5286	0.3	3581.22
Co 228.615	5.7258	ppb	0.5984	10.5	43.6007
Cr 267.716	293.748	ppb	0.3570	0.1	4705.49
Cu 324.754	221.007	ppb	1.4589	0.7	7999.32
Fe 271.441	21458.8	ppb	16.9810	0.1	15811.2
K 766.491	4055.76	ppb	4.9433	0.1	506646
Mg 279.078	2860.13	ppb	4.7089	0.2	3102.71
Mn 257.610	9332.96	ppb	4.9157	0.1	881902
Mo 202.032	47.6022	ppb	0.6693	1.4	156.972
Na 330.237	2571.92	ppb	126.957	4.9	155.359
Ni 231.604	54.3219	ppb	0.5706	1.1	155.089
Pb 220.353	23.4927	ppb	0.8755	3.7	19.9662
Sb 206.834	0.2698	ppb	2.0122	745.7	3.7382
Se 196.026	1.9403	ppb	13.0117	670.6	3.6895
Sn 189.925	25.6408	ppb	1.7698	6.9	16.7381
Sr 216.596	115.123	ppb	0.5034	0.4	680.251
Ti 334.941	240.819	ppb	0.2761	0.1	50924.2
Tl 190.794	-15.7224	ppb	8.9173	56.7	-7.6054
V 292.401	30.2991	ppb	0.1645	0.5	830.829
Zn 206.200	414.240	ppb	0.5623	0.1	1234.22

680-89038-b-6-a (Samp) **4/10/2013, 12:21:26 AM** **Rack 2, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.2995	ppb	0.5686	3.5	450.896
Al 308.215	96240.6	ppb	2586.67	2.7	265704
As 188.980	249.349	ppb	14.3807	5.8	82.7541
B 249.678	145.213	ppb	1.1329	0.8	220.083
Ba 389.178	2638.08	ppb	59.1560	2.2	43455.8
Be 313.042	10.6530	ppb	0.2340	2.2	16497.4
Ca 370.602	155923	ppb	2254	1.4	505257
Cd 226.502	19.5215	ppb	0.7815	4.0	1391.33
Co 228.615	98.1226	ppb	2.9945	3.1	800.601
Cr 267.716	340.895	ppb	5.0942	1.5	5227.72
Cu 324.754	1081.83	ppb	21.1439	2.0	38641.2
Fe 271.441	470135	ppb	10594.7	2.3	346462
K 766.491	13099.5	ppb	291.139	2.2	1631001

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	24554.6	ppb	511.755	2.1	25573.6
Mn 257.610	16579.3	ppb	346.764	2.1	1567128
Mo 202.032	24.5464	ppb	1.0120	4.1	23.3722
Na 330.237	2247.87	ppb	66.2922	2.9	-74.1969
Ni 231.604	170.522	ppb	5.0463	3.0	513.311
Pb 220.353	2624.42	ppb	45.3579	1.7	2163.92
Sb 206.834	25.8922	ppb	6.1110	23.6	30.3120
Se 196.026	8.7736	ppb	9.5243	108.6	0.0951
Sn 189.925	106.015	ppb	2.3378	2.2	65.1294
Sr 216.596	649.461	ppb	14.7491	2.3	4034.82
Ti 334.941	1589.36	ppb	37.5979	2.4	336241
Tl 190.794	-27.7920	ppb	8.1245	29.2	-31.3897
V 292.401	357.141	ppb	7.9557	2.2	10111.0
Zn 206.200	7771.15	ppb	170.430	2.2	23113.3

680-89038-b-6-aSD^5 (Samp) **4/10/2013, 12:26:54 AM** **Rack 2, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.6274	ppb	0.1857	7.1	56.1261
Al 308.215	18798.0	ppb	128.831	0.7	51926.7
As 188.980	47.1958	ppb	8.6962	18.4	15.0509
B 249.678	30.7209	ppb	0.4844	1.6	86.5503
Ba 389.178	535.813	ppb	3.1662	0.6	8810.56
Be 313.042	2.0724	ppb	0.0111	0.5	3289.71
Ca 370.602	31770	ppb	204.2	0.6	102739
Cd 226.502	3.5704	ppb	0.2437	6.8	288.955
Co 228.615	20.2383	ppb	0.5368	2.7	161.245
Cr 267.716	68.9658	ppb	0.9683	1.4	1062.93
Cu 324.754	210.933	ppb	1.9720	0.9	7625.00
Fe 271.441	96746.5	ppb	686.304	0.7	71294.3
K 766.491	2424.20	ppb	14.0355	0.6	303740
Mg 279.078	5034.56	ppb	26.3770	0.5	5263.48
Mn 257.610	3561.13	ppb	24.4402	0.7	336647
Mo 202.032	5.9922	ppb	0.7172	12.0	7.3707
Na 330.237	541.772	ppb	81.2260	15.0	-11.6481
Ni 231.604	36.7308	ppb	0.7165	2.0	109.455
Pb 220.353	541.228	ppb	3.4911	0.6	448.539
Sb 206.834	3.8277	ppb	5.7723	150.8	5.9129
Se 196.026	-0.6748	ppb	10.3332	1531.4	0.7912
Sn 189.925	17.2173	ppb	2.4634	14.3	11.6247
Sr 216.596	132.958	ppb	1.7903	1.3	821.655
Ti 334.941	323.048	ppb	2.3169	0.7	68319.5
Tl 190.794	-6.9560	ppb	5.1657	74.3	-6.7158
V 292.401	72.0901	ppb	0.6089	0.8	2056.29
Zn 206.200	1627.14	ppb	11.4604	0.7	4842.17

680-89038-b-6-aPDS (Samp) **4/10/2013, 12:32:21 AM** **Rack 2, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	66.0433	ppb	0.2473	0.4	1949.31
Al 308.215	97187.8	ppb	117.921	0.1	268353

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2262.47	ppb	1.0100	0.0	776.624
B 249.678	1095.84	ppb	3.4986	0.3	8365.99
Ba 389.178	4551.80	ppb	8.8283	0.2	74579.9
Be 313.042	60.3879	ppb	0.1109	0.2	92133.6
Ca 370.602	158156	ppb	234.2	0.1	515160
Cd 226.502	67.9851	ppb	0.1587	0.2	2423.51
Co 228.615	592.561	ppb	2.5594	0.4	4711.10
Cr 267.716	534.665	ppb	1.5003	0.3	8328.86
Cu 324.754	1327.19	ppb	6.7597	0.5	47413.0
Fe 271.441	462684	ppb	402.980	0.1	340997
K 766.491	18604.2	ppb	22.5527	0.1	2315197
Mg 279.078	29102.8	ppb	68.4596	0.2	30629.1
Mn 257.610	16768.3	ppb	21.0485	0.1	1584996
Mo 202.032	519.213	ppb	1.1005	0.2	1688.84
Na 330.237	7220.74	ppb	102.619	1.4	249.013
Ni 231.604	652.769	ppb	7.3324	1.1	1887.89
Pb 220.353	3044.13	ppb	3.0858	0.1	2510.69
Sb 206.834	492.601	ppb	4.1160	0.8	323.028
Se 196.026	1975.57	ppb	0.7037	0.0	511.372
Sn 189.925	1053.49	ppb	8.2124	0.8	637.164
Sr 216.596	1120.49	ppb	1.6617	0.1	6780.34
Ti 334.941	2529.27	ppb	4.6399	0.2	534995
Tl 190.794	1875.98	ppb	4.4800	0.2	811.923
V 292.401	833.492	ppb	1.1485	0.1	23383.4
Zn 206.200	8108.67	ppb	12.5248	0.2	24115.8

680-89038-b-6-b ms (Samp) **4/10/2013, 12:37:48 AM** **Rack 2, Tube 45**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	31.7040b	ppb	0.1290	0.4	962.978
Al 308.215	133922b	ppb	249.911	0.2	369742
As 188.980	401.654b	ppb	15.5353	3.9	134.635
B 249.678	349.377b	ppb	2.0697	0.6	1872.42
Ba 389.178	3237.30b	ppb	1.9604	0.1	53265.8
Be 313.042	64.6367b	ppb	0.0446	0.1	98464.6
Ca 370.602	202130b	ppb	268.5	0.1	673140
Cd 226.502	70.5631b	ppb	0.4598	0.7	2578.99
Co 228.615	161.336b	ppb	0.9252	0.6	1311.79
Cr 267.716	473.983b	ppb	0.7883	0.2	7350.84
Cu 324.754	1595.78b	ppb	5.7021	0.4	56936.5
Fe 271.441	511313b	ppb	653.910	0.1	376811
K 766.491	44835.9xb	ppb	70.9809	0.2	5578307
Mg 279.078	34504.3b	ppb	44.7057	0.1	36417.9
Mn 257.610	30571.7xb	ppb	32.1969	0.1	2889264
Mo 202.032	119.356b	ppb	0.5999	0.5	337.528
Na 330.237	10591.2b	ppb	47.1728	0.4	449.012
Ni 231.604	259.343b	ppb	1.2566	0.5	769.168
Pb 220.353	3192.48b	ppb	6.6141	0.2	2630.05
Sb 206.834	44.2936b	ppb	0.6921	1.6	42.6150
Se 196.026	97.1329b	ppb	11.7865	12.1	25.2070
Sn 189.925	380.106b	ppb	8.1325	2.1	230.607
Sr 216.596	978.872b	ppb	5.4863	0.6	5991.34
Ti 334.941	2503.67b	ppb	4.4784	0.2	529629

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	5.1418b	ppb	15.5614	302.6	-18.4595
V 292.401	563.721b	ppb	1.1409	0.2	15878.1
Zn 206.200	9101.60b	ppb	6.8847	0.1	27068.8

680-89038-b-6-c msd (Samp) **4/10/2013, 12:43:16 AM** **Rack 2, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	30.1691	ppb	0.5926	2.0	875.305
Al 308.215	114814	ppb	183.062	0.2	316991
As 188.980	383.327	ppb	6.7703	1.8	128.777
B 249.678	317.569	ppb	1.8932	0.6	1729.74
Ba 389.178	2632.21	ppb	2.5838	0.1	43355.8
Be 313.042	61.6740	ppb	0.0888	0.1	93923.7
Ca 370.602	171952	ppb	860.7	0.5	568895
Cd 226.502	68.5650	ppb	0.1976	0.3	2419.40
Co 228.615	143.228	ppb	1.0763	0.8	1158.59
Cr 267.716	510.400	ppb	2.3524	0.5	7948.33
Cu 324.754	1163.86	ppb	0.8761	0.1	41526.8
Fe 271.441	454147	ppb	1156.72	0.3	334682
K 766.491	20326.6	ppb	36.9112	0.2	2529931
Mg 279.078	31348.2	ppb	35.7836	0.1	33140.9
Mn 257.610	17764.7	ppb	40.5587	0.2	1679134
Mo 202.032	115.245	ppb	0.7441	0.6	330.765
Na 330.237	7513.51	ppb	70.9396	0.9	277.465
Ni 231.604	261.212	ppb	1.7178	0.7	771.028
Pb 220.353	2792.88	ppb	9.4351	0.3	2301.30
Sb 206.834	39.0649	ppb	3.9440	10.1	39.1772
Se 196.026	100.334	ppb	10.8327	10.8	24.5319
Sn 189.925	282.987	ppb	8.0127	2.8	171.936
Sr 216.596	730.161	ppb	0.9752	0.1	4498.96
Ti 334.941	1845.06	ppb	4.2391	0.2	390335
Tl 190.794	9.6348	ppb	1.6242	16.9	-14.2640
V 292.401	487.863	ppb	1.0493	0.2	13751.8
Zn 206.200	8249.87	ppb	14.0734	0.2	24535.5

680-89038-b-9-a (Samp) **4/10/2013, 12:48:44 AM** **Rack 2, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4034	ppb	1.5731	390.0	-53.2931
Al 308.215	136452	ppb	220.189	0.2	376728
As 188.980	227.248	ppb	4.4307	1.9	75.7257
B 249.678	102.219	ppb	0.5986	0.6	-297.523
Ba 389.178	2063.62	ppb	1.2661	0.1	34190.1
Be 313.042	16.6184	ppb	0.0250	0.2	25729.9
Ca 370.602	110024	ppb	60.80	0.1	319646
Cd 226.502	12.9181	ppb	0.1546	1.2	1385.65
Co 228.615	143.692	ppb	0.3454	0.2	1165.71
Cr 267.716	617.636	ppb	1.0070	0.2	9620.10
Cu 324.754	594.586	ppb	3.2030	0.5	21333.7
Fe 271.441	536922	ppb	464.978	0.1	395683
K 766.491	12061.5	ppb	10.0152	0.1	1502040

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	24011.3	ppb	38.9864	0.2	24742.8
Mn 257.610	19521.3	ppb	31.7953	0.2	1845173
Mo 202.032	19.3442	ppb	1.1976	6.2	-2.6216
Na 330.237	2088.13	ppb	24.0721	1.2	-122.960
Ni 231.604	153.310	ppb	2.8679	1.9	468.139
Pb 220.353	2112.53	ppb	3.4901	0.2	1734.87
Sb 206.834	6.8510	ppb	3.4263	50.0	21.1249
Se 196.026	4.8544	ppb	10.3181	212.6	-1.5239
Sn 189.925	144.678	ppb	9.8063	6.8	88.7185
Sr 216.596	352.427	ppb	0.6474	0.2	2315.22
Ti 334.941	1898.85	ppb	1.1772	0.1	401653
Tl 190.794	-22.6631	ppb	9.4341	41.6	-31.1378
V 292.401	692.444	ppb	0.8546	0.1	19533.3
Zn 206.200	4870.38	ppb	5.8837	0.1	14491.5

680-89038-b-10-a (Samp) **4/10/2013, 12:54:12 AM** **Rack 2, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6095	ppb	0.1168	19.2	-29.9045
Al 308.215	121746	ppb	87.1022	0.1	336132
As 188.980	205.428	ppb	5.1118	2.5	67.9883
B 249.678	95.5196	ppb	1.6185	1.7	-76.7334
Ba 389.178	2097.28	ppb	0.7537	0.0	34603.8
Be 313.042	13.8311	ppb	0.0132	0.1	21395.4
Ca 370.602	135682	ppb	44.48	0.0	439025
Cd 226.502	13.5735	ppb	0.2388	1.8	1151.29
Co 228.615	126.893	ppb	0.1556	0.1	1031.31
Cr 267.716	556.025	ppb	0.2332	0.0	8703.87
Cu 324.754	568.938	ppb	2.8723	0.5	20294.6
Fe 271.441	414003	ppb	256.693	0.1	305098
K 766.491	12515.3	ppb	8.6786	0.1	1558482
Mg 279.078	27247.7	ppb	7.1395	0.0	28733.9
Mn 257.610	21366.7	ppb	50.8772	0.2	2019403
Mo 202.032	17.7498	ppb	1.1442	6.4	7.6102
Na 330.237	1972.88	ppb	95.4334	4.8	-73.2883
Ni 231.604	152.029	ppb	0.4344	0.3	457.407
Pb 220.353	2046.53	ppb	13.4261	0.7	1682.53
Sb 206.834	18.7522	ppb	4.4852	23.9	25.5813
Se 196.026	22.9151	ppb	32.3995	141.4	5.6113
Sn 189.925	95.9653	ppb	6.7781	7.1	59.2066
Sr 216.596	377.991	ppb	1.8977	0.5	2410.88
Ti 334.941	1910.65	ppb	0.4415	0.0	404168
Tl 190.794	-33.0811	ppb	5.8336	17.6	-31.1885
V 292.401	498.577	ppb	0.5735	0.1	14058.5
Zn 206.200	4649.39	ppb	1.8691	0.0	13832.0

Cont Calib Verif (CCV) **4/10/2013, 12:59:40 AM** **Rack 2, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.638	ppb	4.8823	1.0	14974.5	99.52768
Al 308.215	5033.88	ppb	11.7281	0.2	14183.1	100.67766

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	477.839	ppb	10.6599	2.2	164.722	95.56772
B 249.678	511.280	ppb	0.2046	0.0	4406.43	20.45118Q
Ba 389.178	5125.60	ppb	10.0942	0.2	83370.9	102.51207
Be 313.042	518.839	ppb	1.5536	0.3	789579	103.76770
Ca 370.602	5059	ppb	13.83	0.3	18424	101.18530
Cd 226.502	512.924	ppb	1.8059	0.4	11107.2	102.58475
Co 228.615	516.206	ppb	0.7467	0.1	4074.88	103.24113
Cr 267.716	5228.06	ppb	11.9413	0.2	83598.4	104.56118
Cu 324.754	5108.32	ppb	38.9547	0.8	183010	102.16635
Fe 271.441	5068.51	ppb	19.9637	0.4	3792.91	101.37021
K 766.491	10097.3	ppb	17.4868	0.2	1256950	100.97327
Mg 279.078	4951.67	ppb	17.1003	0.3	5477.79	99.03345
Mn 257.610	5356.80	ppb	10.7933	0.2	506209	107.13598
Mo 202.032	495.331	ppb	3.0052	0.6	1657.33	99.06626
Na 330.237	7475.67	ppb	98.0454	1.3	486.132	99.67566
Ni 231.604	2593.68	ppb	6.1514	0.2	7392.69	103.74728
Pb 220.353	496.876	ppb	9.1275	1.8	408.644	99.37520
Sb 206.834	938.138	ppb	5.6543	0.6	628.898	37.52554Q
Se 196.026	4870.02	ppb	12.6842	0.3	1268.17	97.40046
Sn 189.925	4964.10	ppb	14.0076	0.3	2997.27	99.28204
Sr 216.596	2513.93	ppb	7.2354	0.3	14700.5	100.55724
Ti 334.941	498.423	ppb	1.4633	0.3	105683	99.68456
Tl 190.794	4981.38	ppb	6.2567	0.1	2208.12	99.62768
V 292.401	4936.32	ppb	9.9911	0.2	138380	98.72642
Zn 206.200	2606.06	ppb	8.3789	0.3	7730.86	104.24242

Cont Calib Blank (CCB) **4/10/2013, 1:05:07 AM** **Rack 2, Tube 50**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2179	ppb	0.7217	331.2	-12.8398	0.21793
Al 308.215	-3.2221	ppb	0.3505	10.9	27.1328	-3.22208
As 188.980	0.1336	ppb	8.5863	6429.2	-0.6635	0.13355
B 249.678	0.7150	ppb	1.1507	160.9	48.9350	0.71500
Ba 389.178	0.4850	ppb	0.0612	12.6	-13.5862	0.48504
Be 313.042	-0.0739	ppb	0.0074	10.0	-14.3928	-0.07388
Ca 370.602	-2.205	ppb	1.735	78.7	-70.58	-2.20533
Cd 226.502	-0.1329	ppb	0.2188	164.7	12.7658	-0.13290
Co 228.615	-0.4815	ppb	0.7541	156.6	-8.6012	-0.48146
Cr 267.716	0.4361	ppb	0.1795	41.2	14.3996	0.43606
Cu 324.754	-0.1787	ppb	0.1741	97.5	108.364	-0.17869
Fe 271.441	8.2519	ppb	7.3466	89.0	3.5025	8.25186
K 766.491	-0.9780	ppb	0.1432	14.6	2232.17	-0.97801
Mg 279.078	-6.7166	ppb	3.0095	44.8	19.4015	-6.71656
Mn 257.610	0.2345	ppb	0.0463	19.7	77.3532	0.23450
Mo 202.032	0.6675	ppb	0.6327	94.8	1.4912	0.66747
Na 330.237	-17.8433	ppb	46.1062	258.4	-3.2586	-17.84330
Ni 231.604	0.0501	ppb	0.4997	997.9	-0.9209	0.05008
Pb 220.353	-1.5429	ppb	0.6307	40.9	1.4487	-1.54289
Sb 206.834	4.9311	ppb	2.5847	52.4	3.9123	4.93106
Se 196.026	3.9127	ppb	2.9001	74.1	2.7711	3.91273
Sn 189.925	-6.3550	ppb	0.8467	13.3	-2.5795	-6.35496
Sr 216.596	-0.3531	ppb	0.5677	160.8	-7.7283	-0.35305
Ti 334.941	-0.0417	ppb	0.0313	74.9	38.6409	-0.04170

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-3.5057	ppb	2.7417	78.2	-1.1983	-3.50575
V 292.401	-0.0433	ppb	0.3399	784.6	18.1435	-0.04332
Zn 206.200	-0.1781	ppb	0.4943	277.5	2.8744	-0.17811

680-89038-b-30-a (Samp) **4/10/2013, 1:10:35 AM** **Rack 2, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.0979b	ppb	0.3393	6.7	-121.112
Al 308.215	145771b	ppb	381.319	0.3	402456
As 188.980	286.505b	ppb	11.5734	4.0	95.8948
B 249.678	131.470b	ppb	2.8222	2.1	-227.166
Ba 389.178	6037.67b	ppb	10.4509	0.2	98887.2
Be 313.042	23.5008b	ppb	0.0263	0.1	36262.8
Ca 370.602	123471b	ppb	132.0	0.1	356569
Cd 226.502	17.2839b	ppb	0.4017	2.3	1642.35
Co 228.615	269.986b	ppb	1.9392	0.7	2166.54
Cr 267.716	657.594b	ppb	0.9808	0.1	10240.6
Cu 324.754	1239.42b	ppb	6.4724	0.5	44426.6
Fe 271.441	616890b	ppb	454.473	0.1	454622
K 766.491	12282.2b	ppb	8.6474	0.1	1528449
Mg 279.078	14142.5b	ppb	17.9489	0.1	13520.9
Mn 257.610	40477.6xb	ppb	30.9400	0.1	3825269
Mo 202.032	32.5816b	ppb	2.3843	7.3	31.6505
Na 330.237	2883.72b	ppb	123.574	4.3	-105.132
Ni 231.604	189.162b	ppb	2.7231	1.4	574.562
Pb 220.353	2864.46b	ppb	3.7086	0.1	2356.42
Sb 206.834	21.2271b	ppb	5.8189	27.4	32.3031
Se 196.026	28.0163b	ppb	12.6451	45.1	6.8889
Sn 189.925	275.798b	ppb	5.5495	2.0	167.819
Sr 216.596	807.860b	ppb	2.6243	0.3	5033.34
Ti 334.941	1909.48b	ppb	1.3781	0.1	403920
Tl 190.794	-43.7891b	ppb	8.0704	18.4	-43.4949
V 292.401	865.557b	ppb	0.5456	0.1	24369.9
Zn 206.200	6996.57b	ppb	11.5101	0.2	20812.8

680-89038-a-33-a (Samp) **4/10/2013, 1:16:02 AM** **Rack 2, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4818	ppb	0.5821	120.8	11.5908
Al 308.215	120432	ppb	127.860	0.1	332505
As 188.980	202.770	ppb	7.7051	3.8	67.3365
B 249.678	104.734	ppb	0.7269	0.7	-2.5219
Ba 389.178	2152.86	ppb	6.7396	0.3	35510.2
Be 313.042	13.0203	ppb	0.0304	0.2	20165.1
Ca 370.602	114046	ppb	213.2	0.2	356866
Cd 226.502	13.0012	ppb	0.4120	3.2	1142.90
Co 228.615	130.264	ppb	0.9441	0.7	1057.68
Cr 267.716	499.074	ppb	1.7342	0.3	7794.27
Cu 324.754	619.694	ppb	3.6134	0.6	22171.8
Fe 271.441	415799	ppb	1321.70	0.3	306422
K 766.491	11666.0	ppb	32.0788	0.3	1452824

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	27471.4	ppb	28.4502	0.1	28971.2
Mn 257.610	23412.1	ppb	41.1851	0.2	2212663
Mo 202.032	20.5274	ppb	0.6697	3.3	16.6717
Na 330.237	2321.97	ppb	97.9428	4.2	-47.7860
Ni 231.604	166.435	ppb	1.4680	0.9	498.583
Pb 220.353	2082.15	ppb	8.7884	0.4	1712.25
Sb 206.834	16.6073	ppb	8.1850	49.3	23.5752
Se 196.026	17.7720	ppb	14.1077	79.4	4.5441
Sn 189.925	104.653	ppb	4.4250	4.2	64.5250
Sr 216.596	344.087	ppb	1.5164	0.4	2210.55
Ti 334.941	1891.44	ppb	5.3844	0.3	400078
Tl 190.794	-35.4734	ppb	0.8411	2.4	-32.1150
V 292.401	507.680	ppb	0.6610	0.1	14313.5
Zn 206.200	6743.23	ppb	15.2616	0.2	20056.1

680-89038-a-34-a (Samp) **4/10/2013, 1:21:29 AM** **Rack 2, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4925	ppb	1.0696	217.2	-31.2283
Al 308.215	122570	ppb	148.301	0.1	338404
As 188.980	239.828	ppb	5.7006	2.4	80.1679
B 249.678	92.9716	ppb	1.8484	2.0	-243.027
Ba 389.178	2509.67	ppb	3.2492	0.1	41378.4
Be 313.042	15.3909	ppb	0.0208	0.1	23818.5
Ca 370.602	106532	ppb	66.73	0.1	317213
Cd 226.502	12.4496	ppb	0.0562	0.5	1256.04
Co 228.615	152.374	ppb	1.6054	1.1	1235.41
Cr 267.716	618.931	ppb	1.2054	0.2	9677.22
Cu 324.754	836.730	ppb	1.8245	0.2	29990.7
Fe 271.441	477849	ppb	574.207	0.1	352151
K 766.491	11267.7	ppb	13.0459	0.1	1403194
Mg 279.078	24883.6	ppb	33.2057	0.1	25900.2
Mn 257.610	23073.8	ppb	58.8347	0.3	2180768
Mo 202.032	20.0690	ppb	1.2355	6.2	7.1784
Na 330.237	2055.63	ppb	249.746	12.1	-98.7264
Ni 231.604	157.170	ppb	2.3715	1.5	475.706
Pb 220.353	2017.96	ppb	9.4134	0.5	1658.37
Sb 206.834	19.6998	ppb	5.9528	30.2	27.7718
Se 196.026	-7.8230	ppb	18.5966	237.7	-3.2427
Sn 189.925	91.8143	ppb	5.4557	5.9	56.8486
Sr 216.596	345.228	ppb	1.6447	0.5	2245.31
Ti 334.941	2029.35	ppb	2.3041	0.1	429240
Tl 190.794	-23.5623	ppb	9.5089	40.4	-29.0249
V 292.401	611.940	ppb	0.4981	0.1	17252.0
Zn 206.200	4672.45	ppb	11.0358	0.2	13901.7

680-89038-a-35-a (Samp) **4/10/2013, 1:26:57 AM** **Rack 2, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.3861	ppb	0.8143	4.0	576.709
Al 308.215	110269	ppb	64.7001	0.1	304425

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	379.954	ppb	10.4981	2.8	127.215
B 249.678	155.777	ppb	2.8200	1.8	42.9043
Ba 389.178	3033.67	ppb	2.6213	0.1	50030.3
Be 313.042	13.2084	ppb	0.0150	0.1	20446.9
Ca 370.602	189646	ppb	417.5	0.2	611587
Cd 226.502	24.0781	ppb	0.3951	1.6	1729.16
Co 228.615	130.767	ppb	1.0634	0.8	1063.40
Cr 267.716	389.029	ppb	0.4105	0.1	5940.84
Cu 324.754	1169.35	ppb	5.6536	0.5	41734.9
Fe 271.441	588098	ppb	985.835	0.2	433395
K 766.491	15020.8	ppb	28.0318	0.2	1869876
Mg 279.078	28679.2	ppb	33.5595	0.1	29727.2
Mn 257.610	22391.1	ppb	54.5733	0.2	2116390
Mo 202.032	26.4285	ppb	1.8782	7.1	14.8065
Na 330.237	2629.74	ppb	128.897	4.9	-103.794
Ni 231.604	180.670	ppb	3.4704	1.9	549.301
Pb 220.353	3269.32	ppb	3.1313	0.1	2696.06
Sb 206.834	20.3505	ppb	11.8553	58.3	29.9526
Se 196.026	4.1483	ppb	12.6098	304.0	-1.8679
Sn 189.925	170.125	ppb	3.8424	2.3	103.769
Sr 216.596	704.315	ppb	0.4397	0.1	4412.94
Ti 334.941	1801.42	ppb	2.6715	0.1	381124
Tl 190.794	-27.6442	ppb	11.1527	40.3	-36.1386
V 292.401	472.072	ppb	0.2378	0.1	13353.0
Zn 206.200	9263.93	ppb	7.6245	0.1	27553.2

680-89038-a-36-a (Samp) **4/10/2013, 1:32:24 AM** **Rack 2, Tube 55**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.1847	ppb	0.5613	25.7	-18.7931
Al 308.215	131273	ppb	110.695	0.1	362432
As 188.980	275.207	ppb	6.8972	2.5	92.1898
B 249.678	136.293	ppb	1.3385	1.0	-44.7583
Ba 389.178	4438.18	ppb	15.5604	0.4	72805.2
Be 313.042	18.8430	ppb	0.0178	0.1	29143.8
Ca 370.602	114668	ppb	28.83	0.0	333908
Cd 226.502	18.4875	ppb	0.8156	4.4	1539.34
Co 228.615	126.803	ppb	0.3471	0.3	1034.10
Cr 267.716	692.790	ppb	1.0991	0.2	10801.3
Cu 324.754	1329.43	ppb	1.0200	0.1	47648.6
Fe 271.441	553270	ppb	192.446	0.0	407731
K 766.491	11251.2	ppb	8.3125	0.1	1400634
Mg 279.078	14032.2	ppb	19.2246	0.1	13663.6
Mn 257.610	10087.0	ppb	7.0200	0.1	953778
Mo 202.032	28.2173	ppb	2.6133	9.3	24.9494
Na 330.237	2982.47	ppb	53.1696	1.8	-68.0895
Ni 231.604	189.359	ppb	1.3803	0.7	571.485
Pb 220.353	2884.32	ppb	0.9154	0.0	2374.79
Sb 206.834	24.5740	ppb	4.7235	19.2	32.9907
Se 196.026	3.4416	ppb	20.6650	600.5	-3.9463
Sn 189.925	351.530	ppb	4.6959	1.3	213.549
Sr 216.596	894.266	ppb	0.7650	0.1	5512.82
Ti 334.941	1921.43	ppb	0.4901	0.0	406436

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-11.6197	ppb	5.8837	50.6	-26.8511
V 292.401	758.956	ppb	1.2693	0.2	21419.0
Zn 206.200	7490.34	ppb	15.2537	0.2	22278.9

X (Samp) **4/10/2013, 1:37:51 AM** **Rack 2, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6496	ppb	0.2882	44.4	-38.9808
Al 308.215	5.3441	ppb	2.6058	48.8	50.7539
As 188.980	-5.1866	ppb	4.0335	77.8	-2.4974
B 249.678	0.2064	ppb	0.2223	107.7	44.5269
Ba 389.178	-0.0958	ppb	0.7508	783.9	-23.0018
Be 313.042	-0.1040	ppb	0.0052	5.0	-60.2191
Ca 370.602	4.105	ppb	2.685	65.4	-51.43
Cd 226.502	0.1075	ppb	0.0551	51.3	18.0112
Co 228.615	-0.9947	ppb	0.7611	76.5	-12.6449
Cr 267.716	-0.0270	ppb	0.1287	477.3	6.9812
Cu 324.754	-0.4871	ppb	0.3091	63.5	97.3107
Fe 271.441	35.7418	ppb	5.7615	16.1	23.7430
K 766.491	-0.8733	ppb	0.7055	80.8	2245.31
Mg 279.078	-9.0858	ppb	1.9356	21.3	16.6918
Mn 257.610	0.5972	ppb	0.0836	14.0	111.663
Mo 202.032	0.5819	ppb	0.6210	106.7	1.2005
Na 330.237	-6.1366	ppb	66.1856	1078.5	-2.5043
Ni 231.604	0.0645	ppb	0.4264	660.8	-0.8809
Pb 220.353	0.3807	ppb	3.2215	846.2	3.0428
Sb 206.834	6.2743	ppb	5.2814	84.2	4.7576
Se 196.026	5.6350	ppb	1.9585	34.8	3.2183
Sn 189.925	-2.6904	ppb	2.8433	105.7	-0.3679
Sr 216.596	-0.0936	ppb	0.4461	476.7	-6.1778
Ti 334.941	0.1378	ppb	0.0343	24.9	-0.6989
Tl 190.794	-8.0604	ppb	8.2475	102.3	-3.2134
V 292.401	-0.3321	ppb	0.1847	55.6	10.1833
Zn 206.200	0.3225	ppb	0.1681	52.1	4.3649

X (Samp) **4/10/2013, 1:43:19 AM** **Rack 2, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1576	ppb	0.2346	148.8	-24.1554
Al 308.215	-2.2318	ppb	2.9663	132.9	29.8312
As 188.980	-10.0515	ppb	5.2431	52.2	-4.1744
B 249.678	0.1871	ppb	1.1329	605.6	44.4400
Ba 389.178	-0.4222	ppb	0.0465	11.0	-28.3572
Be 313.042	-0.1137	ppb	0.0107	9.4	-74.9471
Ca 370.602	4.593	ppb	1.543	33.6	-43.42
Cd 226.502	0.0400	ppb	0.2624	656.4	16.4842
Co 228.615	-1.0058	ppb	0.4434	44.1	-12.7324
Cr 267.716	-0.2225	ppb	0.0487	21.9	3.8717
Cu 324.754	-0.6384	ppb	0.2205	34.5	91.8858
Fe 271.441	1.8187	ppb	11.8648	652.4	-1.2608
K 766.491	-2.2442	ppb	0.1961	8.7	2074.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-11.2677	ppb	3.2196	28.6	14.3954
Mn 257.610	-0.2654	ppb	0.0829	31.2	30.1104
Mo 202.032	0.2369	ppb	0.5150	217.4	0.0433
Na 330.237	64.1412	ppb	54.4391	84.9	2.1185
Ni 231.604	1.2841	ppb	0.8257	64.3	2.5928
Pb 220.353	-2.4357	ppb	3.1111	127.7	0.7105
Sb 206.834	4.6386	ppb	4.6544	100.3	3.7167
Se 196.026	-4.1091	ppb	6.0286	146.7	0.6867
Sn 189.925	-2.7984	ppb	2.1104	75.4	-0.4331
Sr 216.596	-0.8293	ppb	0.7104	85.7	-10.5679
Ti 334.941	-0.0690	ppb	0.0261	37.8	-44.4453
Tl 190.794	-2.3623	ppb	1.3604	57.6	-0.6929
V 292.401	-0.4542	ppb	0.1084	23.9	6.8023
Zn 206.200	-0.1703	ppb	0.5678	333.4	2.8996

CRI (Samp) **4/10/2013, 1:48:46 AM** **Rack 2, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.5164	ppb	0.1574	1.7	267.307
Al 308.215	208.909	ppb	1.2492	0.6	613.472
As 188.980	18.6702	ppb	7.2033	38.6	5.7150
B 249.678	98.7954	ppb	0.3280	0.3	887.098
Ba 389.178	11.6104	ppb	0.2300	2.0	168.446
Be 313.042	4.3026	ppb	0.0255	0.6	6625.76
Ca 370.602	523.5	ppb	4.274	0.8	1911
Cd 226.502	5.2150	ppb	0.1738	3.3	128.409
Co 228.615	10.2626	ppb	0.7822	7.6	76.2229
Cr 267.716	10.7574	ppb	0.5182	4.8	179.415
Cu 324.754	21.0849	ppb	0.2366	1.1	868.790
Fe 271.441	55.6054	ppb	3.3189	6.0	38.9790
K 766.491	1087.20	ppb	7.5256	0.7	137579
Mg 279.078	520.527	ppb	5.4117	1.0	602.420
Mn 257.610	11.0886	ppb	0.0641	0.6	1104.35
Mo 202.032	11.5153	ppb	1.1833	10.3	37.9915
Na 330.237	1076.56	ppb	44.0783	4.1	68.4066
Ni 231.604	43.7858	ppb	0.1107	0.3	123.732
Pb 220.353	9.2549	ppb	3.1550	34.1	10.3475
Sb 206.834	21.4968	ppb	4.0635	18.9	14.3843
Se 196.026	18.7887	ppb	15.3329	81.6	6.6444
Sn 189.925	49.2039	ppb	2.5705	5.2	30.9519
Sr 216.596	10.1182	ppb	0.1218	1.2	52.2460
Ti 334.941	10.1894	ppb	0.0096	0.1	2125.85
Tl 190.794	17.2692	ppb	2.8564	16.5	8.0019
V 292.401	9.9309	ppb	0.2576	2.6	295.715
Zn 206.200	20.3337	ppb	0.4777	2.3	63.8239

CCV (Samp) **4/10/2013, 1:54:14 AM** **Rack 2, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	494.370	ppb	4.6883	0.9	14876.0
Al 308.215	5038.98	ppb	16.8822	0.3	14196.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	484.611	ppb	1.8291	0.4	167.053
B 249.678	508.549	ppb	0.6160	0.1	4383.19
Ba 389.178	5099.08	ppb	13.5925	0.3	82939.4
Be 313.042	517.091	ppb	1.7004	0.3	786927
Ca 370.602	5018	ppb	11.81	0.2	18272
Cd 226.502	509.327	ppb	2.2650	0.4	11029.4
Co 228.615	513.477	ppb	2.0588	0.4	4053.32
Cr 267.716	5180.30	ppb	21.0177	0.4	82834.5
Cu 324.754	5043.34	ppb	32.6530	0.6	180683
Fe 271.441	5023.40	ppb	18.8249	0.4	3759.61
K 766.491	10087.7	ppb	31.4922	0.3	1255759
Mg 279.078	4976.18	ppb	9.8080	0.2	5505.09
Mn 257.610	5313.74	ppb	20.9146	0.4	502140
Mo 202.032	496.446	ppb	3.6460	0.7	1661.10
Na 330.237	7383.91	ppb	149.154	2.0	480.121
Ni 231.604	2581.54	ppb	5.5642	0.2	7358.08
Pb 220.353	493.055	ppb	5.1400	1.0	405.504
Sb 206.834	913.690	ppb	1.1842	0.1	613.214
Se 196.026	4824.04	ppb	9.9389	0.2	1256.22
Sn 189.925	4931.33	ppb	18.6756	0.4	2977.49
Sr 216.596	2506.02	ppb	6.7333	0.3	14654.3
Ti 334.941	496.115	ppb	1.8395	0.4	105194
Tl 190.794	4972.13	ppb	20.4339	0.4	2204.02
V 292.401	4934.16	ppb	15.9084	0.3	138321
Zn 206.200	2584.56	ppb	13.2657	0.5	7667.02

CCB (Samp) **4/10/2013, 1:59:42 AM** **Rack 2, Tube 60**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6325	ppb	0.1399	22.1	-38.4641
Al 308.215	-4.0087	ppb	1.2102	30.2	24.9630
As 188.980	-6.1875	ppb	4.6065	74.4	-2.8422
B 249.678	1.0780	ppb	0.5135	47.6	52.0566
Ba 389.178	0.2667	ppb	0.5093	190.9	-17.1485
Be 313.042	-0.0719	ppb	0.0167	23.2	-11.3929
Ca 370.602	-5.087	ppb	3.174	62.4	-79.50
Cd 226.502	-0.0346	ppb	0.1361	393.7	14.8678
Co 228.615	-0.8820	ppb	0.1482	16.8	-11.7620
Cr 267.716	0.3462	ppb	0.2425	70.0	12.9663
Cu 324.754	-0.3973	ppb	0.4746	119.5	100.541
Fe 271.441	-2.7364	ppb	7.9201	289.4	-4.6084
K 766.491	-1.1974	ppb	0.3826	32.0	2204.93
Mg 279.078	-3.0326	ppb	6.6865	220.5	23.5138
Mn 257.610	-0.0225	ppb	0.0419	186.2	53.0609
Mo 202.032	1.1211	ppb	0.4019	35.8	3.0195
Na 330.237	-72.0783	ppb	14.9083	20.7	-6.8089
Ni 231.604	1.2964	ppb	0.5768	44.5	2.6277
Pb 220.353	-1.9440	ppb	2.9163	150.0	1.1168
Sb 206.834	4.3440	ppb	0.4961	11.4	3.5437
Se 196.026	2.9259	ppb	7.8647	268.8	2.5148
Sn 189.925	-5.1435	ppb	3.8013	73.9	-1.8484
Sr 216.596	0.0199	ppb	0.4397	2208.6	-5.5787
Ti 334.941	-0.0193	ppb	0.0616	319.9	33.8916

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-4.4001	ppb	7.3217	166.4	-1.5935
V 292.401	0.0244	ppb	0.2719	1113.0	20.0795
Zn 206.200	-0.5852	ppb	0.6930	118.4	1.6641

Blank (Blk) **4/10/2013, 1:45:43 PM** **Rack S, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	10.927	38.8	-28.1853
Al 308.215	0.0000	ppb	7.190	17.8	40.3311
As 188.980	0.0000	ppb	1.470	298.9	0.4917
B 249.678	0.0000	ppb	4.188	9.8	42.9229
Ba 389.178	0.0000	ppb	7.404	49.6	-14.9385
Be 313.042	0.0000	ppb	16.307	27.8	-58.6702
Ca 370.602	0.0000	ppb	12.310	20.5	-60.08
Cd 226.502	0.0000	ppb	3.935	28.5	13.8151
Co 228.615	0.0000	ppb	4.115	39.6	-10.3836
Cr 267.716	0.0000	ppb	3.357	47.7	7.0339
Cu 324.754	0.0000	ppb	11.621	11.6	100.263
Fe 271.441	0.0000	ppb	0.966	20.3	-4.7521
K 766.491	0.0000	ppb	16.839	0.8	2090.49
Mg 279.078	0.0000	ppb	1.434	4.7	30.3657
Mn 257.610	0.0000	ppb	10.351	18.9	54.7456
Mo 202.032	0.0000	ppb	1.554	87.1	1.7828
Na 330.237	0.0000	ppb	7.803	180.0	4.3337
Ni 231.604	0.0000	ppb	1.743	99.8	1.7466
Pb 220.353	0.0000	ppb	2.778	280.5	0.9903
Sb 206.834	0.0000	ppb	0.638	14.5	4.3989
Se 196.026	0.0000	ppb	2.232	54.8	4.0735
Sn 189.925	0.0000	ppb	2.764	278.8	-0.9915
Sr 216.596	0.0000	ppb	0.437	6.5	-6.6964
Ti 334.941	0.0000	ppb	23.239	22.5	103.196
Tl 190.794	0.0000	ppb	0.761	178.1	-0.4275
V 292.401	0.0000	ppb	5.260	55.3	9.5146
Zn 206.200	0.0000	ppb	2.241	161.8	1.3858

HIGH STD (Std) **4/10/2013, 1:51:11 PM** **Rack S, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	97.400	0.3	32361.5
Al 308.215	10000.0	ppb	67.812	0.2	30196.6
As 188.980	1000.00	ppb	1.803	0.5	369.135
B 249.678	1000.00	ppb	10.231	0.1	9430.22
Ba 389.178	10000.0	ppb	263.249	0.2	171419
Be 313.042	1000.00	ppb	3057.876	0.2	1663424
Ca 370.602	10000	ppb	93.318	0.2	40597
Cd 226.502	1000.00	ppb	44.135	0.2	22994.8
Co 228.615	1000.00	ppb	19.371	0.2	8487.15
Cr 267.716	10000.0	ppb	391.385	0.2	172080
Cu 324.754	10000.0	ppb	2073.475	0.5	386812
Fe 271.441	10000.0	ppb	4.115	0.1	8005.37
K 766.491	20000.0	ppb	8591.974	0.3	2715761
Mg 279.078	10000.0	ppb	28.604	0.2	12101.1
Mn 257.610	10000.0	ppb	1938.418	0.2	1017908
Mo 202.032	1000.00	ppb	7.965	0.2	3616.70
Na 330.237	15000.0	ppb	4.367	0.4	1071.30
Ni 231.604	5000.00	ppb	41.562	0.3	15242.5
Pb 220.353	1000.00	ppb	4.735	0.6	781.346
Sb 206.834	2000.00	ppb	6.162	0.5	1354.62
Se 196.026	10000.0	ppb	10.647	0.4	2726.50
Sn 189.925	10000.0	ppb	27.740	0.4	6405.65

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Sr 216.596	5000.00	ppb	61.118	0.2	31281.5
Ti 334.941	1000.00	ppb	360.540	0.2	228421
Tl 190.794	10000.0	ppb	11.048	0.2	4875.44
V 292.401	10000.0	ppb	524.772	0.2	303509
Zn 206.200	5000.00	ppb	22.097	0.1	15929.4

Ag 328.068 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-28.1853	0.0000	0.0000	-	-
HIGH STD		32361.5	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 32.4 x + -28.2

Al 308.215 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		40.3311	0.0000	0.0000	-	-
HIGH STD		30196.6	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 3.0 x + 40.3

As 188.980 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.4917	0.0000	0.0000	-	-
HIGH STD		369.135	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.4 x + 0.5

B 249.678 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		42.9229	0.0000	0.0000	-	-
HIGH STD		9430.22	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 9.4 x + 42.9

Ba 389.178 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-14.9385	0.0000	0.0000	-	-
HIGH STD		171419	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: y = 17.1 x + -14.9

Be 313.042 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-58.6702	0.0000	0.0000	-	-
HIGH STD		1663424	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1663.5 x + -58.7

Ca 370.602 Calibration (ppb) 4/10/2013, 1:51:11 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-60.08	0.0000	0.0000	-	-
HIGH STD		40597	10000	10000	0.0000	0.0

Curve Type: Linear Equation: y = 4.1 x + -60.1

Cd 226.502 Calibration (ppb) 4/10/2013, 1:51:11 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		13.8151	0.0000	0.0000	-	-
HIGH STD		22994.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 23.0 x + 13.8

Co 228.615 Calibration (ppb) 4/10/2013, 1:51:11 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-10.3836	0.0000	0.0000	-	-
HIGH STD		8487.15	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 8.5 x + -10.4

Cr 267.716 Calibration (ppb) 4/10/2013, 1:51:11 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.0339	0.0000	0.0000	-	-
HIGH STD		172080	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 17.2 x + 7.0

Cu 324.754 Calibration (ppb) 4/10/2013, 1:51:11 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		100.263	0.0000	0.0000	-	-
HIGH STD		386812	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 38.7 x + 100.3

Fe 271.441 Calibration (ppb) 4/10/2013, 1:51:11 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.7521	0.0000	0.0000	-	-
HIGH STD		8005.37	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + -4.8

K 766.491 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2090.49	0.0000	0.0000	-	-
HIGH STD		2715761	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: y = 135.7 x + 2090.5

Mg 279.078 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		30.3657	0.0000	0.0000	-	-
HIGH STD		12101.1	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 1.2 x + 30.4

Mn 257.610 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		54.7456	0.0000	0.0000	-	-
HIGH STD		1017908	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 101.8 x + 54.7

Mo 202.032 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.7828	0.0000	0.0000	-	-
HIGH STD		3616.70	1000.00	1000.000	-0.0002	0.0

Curve Type: Linear Equation: y = 3.6 x + 1.8

Na 330.237 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.3337	0.0000	0.0000	-	-
HIGH STD		1071.30	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.1 x + 4.3

Ni 231.604 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.7466	0.0000	0.0000	-	-
HIGH STD		15242.5	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 3.0 x + 1.7

Pb 220.353 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.9903	0.0000	0.0000	-	-
HIGH STD		781.346	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + 1.0

Sb 206.834 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.3989	0.0000	0.0000	-	-
HIGH STD		1354.62	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.7 x + 4.4

Se 196.026 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.0735	0.0000	0.0000	-	-
HIGH STD		2726.50	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.3 x + 4.1

Sn 189.925 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.9915	0.0000	0.0000	-	-
HIGH STD		6405.65	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.6 x + -1.0

Sr 216.596 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-6.6964	0.0000	0.0000	-	-
HIGH STD		31281.5	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 6.3 x + -6.7

Ti 334.941 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		103.196	0.0000	0.0000	-	-
HIGH STD		228421	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 228.3 x + 103.2

Tl 190.794 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.4275	0.0000	0.0000	-	-
HIGH STD		4875.44	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.5 x + -0.4

V 292.401 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.5146	0.0000	0.0000	-	-
HIGH STD		303509	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 30.3 x + 9.5

Zn 206.200 Calibration (ppb) **4/10/2013, 1:51:11 PM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.3858	0.0000	0.0000	-	-
HIGH STD		15929.4	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 3.2 x + 1.4

Lab Control Sample (LCS) **4/10/2013, 1:56:36 PM** **Rack S, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	999.372	ppb	16.1490	1.6	32338.9	99.93721
Al 308.215	10019.4	ppb	148.328	1.5	30805.7	100.19351
As 188.980	1001.62	ppb	22.1315	2.2	371.252	100.16216
B 249.678	999.921	ppb	14.3559	1.4	9417.01	19.99842F
Ba 389.178	9957.84	ppb	151.827	1.5	170785	99.57836
Be 313.042	997.270	ppb	15.1306	1.5	1665246	99.72697
Ca 370.602	10143	ppb	159.7	1.6	39777	101.42823
Cd 226.502	995.048	ppb	15.8028	1.6	22903.4	99.50475
Co 228.615	996.359	ppb	15.0881	1.5	8461.89	99.63595
Cr 267.716	9956.81	ppb	152.997	1.5	171268	99.56814
Cu 324.754	9984.55	ppb	98.3680	1.0	386040	99.84549
Fe 271.441	9976.28	ppb	145.193	1.5	8117.89	99.76283
K 766.491	19946.7	ppb	237.063	1.2	2705693	99.73360
Mg 279.078	9980.97	ppb	161.839	1.6	12022.7	99.80966
Mn 257.610	9964.52	ppb	156.607	1.6	1014347	99.64523
Mo 202.032	995.052	ppb	15.4016	1.5	3578.12	99.50523
Na 330.237	15303.0	ppb	318.517	2.1	1088.79	102.01991
Ni 231.604	4989.54	ppb	90.2820	1.8	15216.7	99.79076
Pb 220.353	1003.80	ppb	10.7150	1.1	773.903	100.37974
Sb 206.834	1904.13	ppb	31.0787	1.6	1357.37	190.41306F
Se 196.026	9983.54	ppb	178.165	1.8	2723.87	99.83543
Sn 189.925	9940.60	ppb	175.703	1.8	6367.82	99.40596
Sr 216.596	4985.81	ppb	70.6565	1.4	30980.8	99.71613
Ti 334.941	994.501	ppb	15.1699	1.5	227837	99.45013
Tl 190.794	9969.57	ppb	149.891	1.5	4872.45	99.69572
V 292.401	9991.11	ppb	149.733	1.5	302338	99.91113
Zn 206.200	4989.84	ppb	79.5863	1.6	15858.3	99.79677

Initial Calib Verif (ICV) **4/10/2013, 2:02:02 PM** **Rack S, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	968.127	ppb	16.4121	1.7	31328.3	96.81267
Al 308.215	971.092	ppb	17.8029	1.8	3044.89	97.10917

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1002.65	ppb	21.3635	2.1	370.325	100.26508
B 249.678	969.401	ppb	12.4756	1.3	9153.06	96.94015
Ba 389.178	1032.28	ppb	14.5866	1.4	17695.4	103.22807
Be 313.042	1040.75	ppb	14.2635	1.4	1731754	104.07527
Ca 370.602	991.8	ppb	12.18	1.2	3939	99.17882
Cd 226.502	1038.16	ppb	13.5026	1.3	23874.1	103.81635
Co 228.615	998.615	ppb	8.3487	0.8	8470.70	99.86153
Cr 267.716	1027.62	ppb	13.7095	1.3	17682.1	102.76234
Cu 324.754	1024.42	ppb	15.0485	1.5	39707.8	102.44242
Fe 271.441	979.344	ppb	18.0474	1.8	837.738	97.93436
K 766.491	9953.29	ppb	103.515	1.0	1352293	99.53286
Mg 279.078	1003.48	ppb	14.5016	1.4	1235.83	100.34826
Mn 257.610	1063.65	ppb	13.5915	1.3	108334	106.36532Q
Mo 202.032	997.837	ppb	15.7119	1.6	3606.83	99.78366
Na 330.237	9693.83	ppb	36.6769	0.4	687.574	96.93826
Ni 231.604	1036.03	ppb	14.9377	1.4	3159.48	103.60298
Pb 220.353	1012.51	ppb	18.0915	1.8	788.728	101.25110
Sb 206.834	957.711	ppb	11.5852	1.2	652.699	95.77111
Se 196.026	989.730	ppb	19.8538	2.0	273.717	98.97301
Sn 189.925	4928.08	ppb	62.4306	1.3	3156.50	98.56166
Sr 216.596	4937.04	ppb	66.1489	1.3	30829.4	98.74070
Ti 334.941	976.456	ppb	13.2546	1.4	223113	97.64556
Tl 190.794	1002.32	ppb	13.4747	1.3	490.630	100.23169
V 292.401	995.834	ppb	14.2888	1.4	29921.9	99.58339
Zn 206.200	1036.28	ppb	10.2954	1.0	3298.58	103.62831

Initial Calib Blank (ICB) **4/10/2013, 2:07:28 PM** **Rack S, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0085	ppb	0.3378	3974.7	-27.9084	0.00850
Al 308.215	-3.8290	ppb	3.3006	86.2	28.8060	-3.82898
As 188.980	-9.0298	ppb	6.9744	77.2	-2.8367	-9.02980
B 249.678	3.3790	ppb	0.0770	2.3	74.6472	3.37902
Ba 389.178	-0.9446	ppb	0.6562	69.5	-31.1355	-0.94465
Be 313.042	0.0391	ppb	0.0088	22.6	6.2677	0.03906
Ca 370.602	-4.008	ppb	4.577	114.2	-75.78	-4.00843
Cd 226.502	-0.0150	ppb	0.0529	351.5	13.4626	-0.01504
Co 228.615	-0.0170	ppb	0.2288	1344.6	-10.5486	-0.01702
Cr 267.716	0.3411	ppb	0.6102	178.9	12.9053	0.34114
Cu 324.754	0.3070	ppb	0.1641	53.5	112.149	0.30700
Fe 271.441	-1.9950	ppb	5.1677	259.0	-6.3426	-1.99500
K 766.491	1.9340	ppb	0.0611	3.2	2353.17	1.93395
Mg 279.078	-1.4253	ppb	0.2160	15.2	28.6576	-1.42531
Mn 257.610	-0.0016	ppb	0.0012	75.1	54.5665	-0.00161
Mo 202.032	1.2342	ppb	0.6529	52.9	6.2448	1.23422
Na 330.237	-91.1735	ppb	22.8227	25.0	-2.1453	-91.17355
Ni 231.604	-0.5210	ppb	0.6323	121.4	0.1572	-0.52103
Pb 220.353	0.7559	ppb	1.0253	135.6	1.5786	0.75590
Sb 206.834	-4.5929	ppb	1.4961	32.6	1.3055	-4.59289
Se 196.026	-2.8484	ppb	3.5352	124.1	3.2981	-2.84840
Sn 189.925	-1.3261	ppb	1.5786	119.0	-1.8412	-1.32612
Sr 216.596	-0.1529	ppb	0.5591	365.7	-7.6502	-0.15289
Ti 334.941	-0.4943	ppb	0.0580	11.7	-9.6219	-0.49427

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-3.4876	ppb	3.9611	113.6	-2.1286	-3.48763
V 292.401	0.0968	ppb	0.1388	143.4	12.2228	0.09683
Zn 206.200	0.3820	ppb	0.4077	106.7	2.6004	0.38200

CRI (CRI) **4/10/2013, 2:12:55 PM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	10.1065	ppb	0.3035	3.0	299.133	101.06514
Al 308.215	210.115	ppb	4.5936	2.2	674.776	105.05749
As 188.980	17.8881	ppb	3.6177	20.2	7.0755	89.44038
B 249.678	100.205	ppb	0.5910	0.6	983.562	100.20536
Ba 389.178	10.2550	ppb	0.7030	6.9	162.047	102.55023
Be 313.042	4.4123	ppb	0.0183	0.4	7286.96	110.30866
Ca 370.602	519.2	ppb	3.258	0.6	2041	103.84706
Cd 226.502	5.5264	ppb	0.1594	2.9	140.957	110.52727
Co 228.615	10.4307	ppb	0.2004	1.9	78.1957	104.30740
Cr 267.716	11.0539	ppb	0.3534	3.2	197.151	110.53871
Cu 324.754	21.8844	ppb	0.0865	0.4	945.256	109.42176
Fe 271.441	57.1178	ppb	5.2396	9.2	41.6037	114.23568
K 766.491	1076.74	ppb	4.6504	0.4	148184	107.67426
Mg 279.078	520.724	ppb	1.9024	0.4	658.680	104.14470
Mn 257.610	11.2523	ppb	0.1333	1.2	1201.62	112.52341
Mo 202.032	10.7504	ppb	1.2835	11.9	40.6188	107.50359
Na 330.237	1023.97	ppb	71.3566	7.0	77.1044	102.39717
Ni 231.604	42.2987	ppb	0.3814	0.9	130.706	105.74673
Pb 220.353	12.7980	ppb	3.0342	23.7	10.9323	127.97973R
Sb 206.834	18.0046	ppb	5.2981	29.4	16.5493	90.02319
Se 196.026	17.7048	ppb	5.2992	29.9	8.9002	88.52378
Sn 189.925	50.6455	ppb	2.6132	5.2	31.4560	101.29106
Sr 216.596	10.5556	ppb	0.1221	1.2	57.5797	105.55640
Ti 334.941	9.5346	ppb	0.0518	0.5	2281.39	95.34577
Tl 190.794	20.6089	ppb	0.5685	2.8	9.6349	82.43566
V 292.401	10.7164	ppb	0.1687	1.6	331.361	107.16419
Zn 206.200	21.8628	ppb	0.7805	3.6	71.0078	109.31400

Interf Check A (ICSA) **4/10/2013, 2:18:22 PM** **Rack S, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2350	ppb	0.7391	314.5	-60.5237	0.23500
Al 308.215	573295	ppb	479.777	0.1	1728864	-
As 188.980	-14.1289	ppb	21.1521	149.7	-12.1204	-14.12887
B 249.678	13.8677	ppb	0.5385	3.9	-312.374	13.86774
Ba 389.178	2.1890	ppb	0.8568	39.1	1322.87	2.18896
Be 313.042	-0.0617	ppb	0.0139	22.5	19.0020	-0.06173
Ca 370.602	517100	ppb	1514	0.3	2064329	-
Cd 226.502	2.3464	ppb	0.3193	13.6	527.447	2.34642
Co 228.615	0.0654	ppb	0.6388	976.9	-6.3380	0.06539
Cr 267.716	-0.7032	ppb	0.6543	93.0	-115.287	-0.70316
Cu 324.754	4.6206	ppb	1.4537	31.5	-1089.53	4.62063
Fe 271.441	194739	ppb	237.095	0.1	155983	-
K 766.491	3.5613	ppb	0.1956	5.5	2543.06	3.56126

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	554395	ppb	852.471	0.2	668507	-
Mn 257.610	1.3968	ppb	0.0328	2.3	1904.70	1.39682
Mo 202.032	-2.4042	ppb	1.5517	64.5	-25.4209	-2.40415
Na 330.237	581.317	ppb	43.4876	7.5	-53.7410	581.31696
Ni 231.604	4.6663	ppb	1.3152	28.2	50.4532	4.66625
Pb 220.353	-2.7850	ppb	3.7614	135.1	-55.0003	-2.78500
Sb 206.834	-3.1045	ppb	3.7734	121.5	12.4215	-3.10446
Se 196.026	15.0418	ppb	13.5055	89.8	12.0899	15.04177
Sn 189.925	6.0409	ppb	1.3345	22.1	0.8950	6.04086
Sr 216.596	-1.6339	ppb	1.5366	94.0	110.047	-1.63392
Ti 334.941	5.6745	ppb	0.0362	0.6	2049.35	5.67449
Tl 190.794	-10.2258	ppb	4.3109	42.2	-27.2148	-10.22582
V 292.401	0.7095	ppb	0.3620	51.0	76.6676	0.70951
Zn 206.200	8.5838	ppb	1.1585	13.5	53.1136	8.58377

Interf Check AB (ICSAB) **4/10/2013, 2:23:50 PM** **Rack S, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	225.878	ppb	1.2757	0.6	7250.50	112.93917
Al 308.215	579436	ppb	393.877	0.1	1747437	115.88724
As 188.980	103.622	ppb	20.1325	19.4	31.3488	103.62215
B 249.678	14.6365	ppb	0.9810	6.7	-309.007	-
Ba 389.178	538.992	ppb	2.5710	0.5	10550.9	107.79830
Be 313.042	526.313	ppb	0.8375	0.2	875851	105.26255
Ca 370.602	522100	ppb	1772	0.3	2084328	104.41991
Cd 226.502	1027.04	ppb	1.7105	0.2	24080.3	102.70445
Co 228.615	503.687	ppb	1.0386	0.2	4252.62	100.73743
Cr 267.716	528.110	ppb	1.2606	0.2	8978.45	105.62191
Cu 324.754	588.635	ppb	1.7307	0.3	21490.6	117.72691
Fe 271.441	196458	ppb	296.546	0.2	157390	98.22885
K 766.491	4.2491	ppb	0.0740	1.7	2482.83	-
Mg 279.078	562324	ppb	254.855	0.0	678071	112.46486
Mn 257.610	535.728	ppb	0.9850	0.2	56314.4	107.14555
Mo 202.032	1106.46	ppb	4.5376	0.4	3981.89	110.64626
Na 330.237	392.704	ppb	136.002	34.6	-66.2660	-
Ni 231.604	1003.50	ppb	3.4869	0.3	3094.95	100.35002
Pb 220.353	55.8098	ppb	6.0946	10.9	-11.7846	111.61969
Sb 206.834	611.119	ppb	14.6048	2.4	430.455	101.85318
Se 196.026	57.9276	ppb	6.2378	10.8	23.9189	115.85519
Sn 189.925	1044.70	ppb	8.1935	0.8	666.304	104.46960
Sr 216.596	-0.1913	ppb	0.8538	446.3	61.4967	-
Ti 334.941	-0.7724	ppb	0.0885	11.5	618.593	-
Tl 190.794	82.6325	ppb	0.8526	1.0	18.0887	82.63253
V 292.401	513.426	ppb	0.6043	0.1	15323.4	102.68513
Zn 206.200	1007.52	ppb	1.9031	0.2	3233.57	100.75231

LRA1 (Samp) **4/10/2013, 2:29:18 PM** **Rack S, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0258b	ppb	0.4791	46.7	-35.6457
Al 308.215	122.059b	ppb	2.4836	2.0	408.989

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	22747.7xb	ppb	99.2355	0.4	8383.98
B 249.678	5945.60xb	ppb	14.3847	0.2	56127.5
Ba 389.178	-1.7567b	ppb	0.8179	46.6	-44.1228
Be 313.042	0.4129b	ppb	0.0168	4.1	606.604
Ca 370.602	186.4b	ppb	3.718	2.0	5918
Cd 226.502	-1.5478b	ppb	0.2149	13.9	-19.7214
Co 228.615	12249.5b	ppb	10.2569	0.1	104625
Cr 267.716	0.1041b	ppb	0.5783	555.2	83.9836
Cu 324.754	29.5455b	ppb	0.2318	0.8	1072.97
Fe 271.441	209.748b	ppb	1.2446	0.6	766.448
K 766.491	47.7278b	ppb	0.1461	0.3	8567.25
Mg 279.078	57.8828b	ppb	2.3732	4.1	33.7099
Mn 257.610	34591.1xb	ppb	56.1672	0.2	3521338
Mo 202.032	0.4822b	ppb	0.6184	128.3	3.3645
Na 330.237	130752xb	ppb	292.839	0.2	9017.92
Ni 231.604	12341.8b	ppb	23.0045	0.2	37612.5
Pb 220.353	23681.5xb	ppb	46.9660	0.2	18479.6
Sb 206.834	86.9109b	ppb	1.2202	1.4	2.7505
Se 196.026	1.7274b	ppb	1.3113	75.9	11.0436
Sn 189.925	-8.6925b	ppb	3.5036	40.3	2.9005
Sr 216.596	-7.3061b	ppb	0.3641	5.0	-523.064
Ti 334.941	36798.9b	ppb	95.0106	0.3	8401935
Tl 190.794	2.1448b	ppb	9.3815	437.4	46.9222
V 292.401	2.6413b	ppb	0.1445	5.5	376.550
Zn 206.200	30.9638b	ppb	0.4230	1.4	100.008

LRA2 (Samp) **4/10/2013, 2:38:23 PM** **Rack S, Tube 8**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2045b	ppb	0.4534	221.8	-218.287
Al 308.215	1029213xb	ppb	17751.5	1.7	3103651
As 188.980	-68.3364b	ppb	11.0680	16.2	-38.1926
B 249.678	50.4211b	ppb	4.4905	8.9	-1990.30
Ba 389.178	19.9229b	ppb	3.2978	16.6	3363.88
Be 313.042	0.0719b	ppb	0.0068	9.5	355.597
Ca 370.602	888651b	ppb	13894	1.6	3416761
Cd 226.502	14.0194b	ppb	1.4450	10.3	2569.65
Co 228.615	4.9122b	ppb	2.9214	59.5	49.1624
Cr 267.716	9.4308b	ppb	0.3819	4.0	-406.646
Cu 324.754	7.1723b	ppb	1.3769	19.2	-1649.36
Fe 271.441	1004401b	ppb	17646.3	1.8	804533
K 766.491	384204oxb	ppb	7231.77	1.9	52132172
Mg 279.078	957664b	ppb	16829.7	1.8	1152294
Mn 257.610	26.1632b	ppb	1.1231	4.3	6457.94
Mo 202.032	-5.6006b	ppb	3.5733	63.8	-140.462
Na 330.237	274.138b	ppb	100.134	36.5	-433.638
Ni 231.604	2.8336b	ppb	2.7770	98.0	111.871
Pb 220.353	-7.7760b	ppb	0.2827	3.6	-103.584
Sb 206.834	-10.3858b	ppb	11.3879	109.6	32.6147
Se 196.026	55.2251b	ppb	41.2242	74.6	15.9920
Sn 189.925	13.7845b	ppb	6.6087	47.9	4.5604
Sr 216.596	6.1256b	ppb	4.2073	68.7	575.359
Ti 334.941	21.8573b	ppb	0.3661	1.7	6236.66

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-35.5473b	ppb	7.9533	22.4	-91.3183
V 292.401	2.7351b	ppb	0.6146	22.5	316.242
Zn 206.200	31397.6b	ppb	533.589	1.7	100081

rinse (Samp) **4/10/2013, 2:43:51 PM** **Rack S, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2955	ppb	0.5753	194.7	-37.7599
Al 308.215	21.4573	ppb	6.9632	32.5	105.038
As 188.980	-5.5915	ppb	2.1685	38.8	-1.5698
B 249.678	2.8100	ppb	1.5869	56.5	69.2242
Ba 389.178	-0.2760	ppb	0.3868	140.1	-19.5996
Be 313.042	0.0049	ppb	0.0111	226.2	-50.5207
Ca 370.602	22.32	ppb	2.391	10.7	25.35
Cd 226.502	-0.0030	ppb	0.1834	6056.9	13.8055
Co 228.615	-0.4374	ppb	0.4944	113.0	-14.1072
Cr 267.716	-0.0912	ppb	0.2765	303.2	5.4484
Cu 324.754	-0.0636	ppb	0.5533	869.4	97.7507
Fe 271.441	27.5477	ppb	7.2464	26.3	17.2963
K 766.491	13.7588	ppb	3.5485	25.8	3957.46
Mg 279.078	16.9545	ppb	4.3421	25.6	50.7318
Mn 257.610	-0.1899	ppb	0.0798	42.1	35.5026
Mo 202.032	-0.2721	ppb	0.1071	39.3	0.7960
Na 330.237	-52.4609	ppb	164.710	314.0	0.5929
Ni 231.604	-0.4799	ppb	1.2977	270.4	0.2857
Pb 220.353	4.1469	ppb	2.3565	56.8	4.2239
Sb 206.834	0.1689	ppb	2.0151	1193.2	4.5155
Se 196.026	-8.4381	ppb	3.9290	46.6	1.7761
Sn 189.925	-0.3868	ppb	1.7561	454.0	-1.2395
Sr 216.596	-0.4125	ppb	0.6334	153.6	-9.2465
Ti 334.941	-0.2553	ppb	0.0390	15.3	44.9243
Tl 190.794	-1.1647	ppb	4.7603	408.7	-0.9983
V 292.401	-0.0060	ppb	0.1075	1795.5	9.2945
Zn 206.200	1.4447	ppb	0.3813	26.4	5.9897

Cont Calib Verif (CCV) **4/10/2013, 2:49:16 PM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.226	ppb	6.4072	1.3	15978.9	98.84518
Al 308.215	5036.34	ppb	37.1486	0.7	15500.4	100.72672
As 188.980	489.566	ppb	12.5349	2.6	181.748	97.91319
B 249.678	506.853	ppb	3.6761	0.7	4795.11	20.27412Q
Ba 389.178	5107.92	ppb	31.2613	0.6	87596.4	102.15842
Be 313.042	513.097	ppb	3.0016	0.6	856614	102.61943
Ca 370.602	5019	ppb	31.59	0.6	19660	100.37764
Cd 226.502	508.672	ppb	2.5297	0.5	11714.8	101.73446
Co 228.615	508.161	ppb	3.4045	0.7	4310.89	101.63216
Cr 267.716	5144.53	ppb	27.8704	0.5	88496.8	102.89069
Cu 324.754	5084.58	ppb	26.7756	0.5	196641	101.69158
Fe 271.441	4947.44	ppb	25.3529	0.5	4023.64	98.94878
K 766.491	9993.53	ppb	44.0292	0.4	1356590	99.93530

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4977.66	ppb	31.2850	0.6	6010.62	99.55327
Mn 257.610	5281.55	ppb	29.6790	0.6	537664	105.63100
Mo 202.032	494.057	ppb	5.5247	1.1	1777.53	98.81130
Na 330.237	7313.51	ppb	139.401	1.9	522.704	97.51347
Ni 231.604	2594.85	ppb	16.6763	0.6	7914.25	103.79406
Pb 220.353	501.970	ppb	3.4067	0.7	387.360	100.39403
Sb 206.834	913.360	ppb	6.3467	0.7	656.841	36.53442Q
Se 196.026	4909.61	ppb	7.7122	0.2	1341.66	98.19213
Sn 189.925	4922.20	ppb	40.8290	0.8	3152.60	98.44402
Sr 216.596	2511.83	ppb	11.9278	0.5	15601.6	100.47304
Ti 334.941	495.689	ppb	2.9756	0.6	113625	99.13775
Tl 190.794	4950.38	ppb	32.3486	0.7	2419.20	99.00770
V 292.401	4941.03	ppb	34.6680	0.7	149508	98.82063
Zn 206.200	2582.57	ppb	21.0663	0.8	8208.31	103.30292

Cont Calib Blank (CCB) **4/10/2013, 2:54:41 PM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0921	ppb	0.3954	429.2	-31.1660	-0.09213
Al 308.215	-1.6300	ppb	1.1269	69.1	35.4490	-1.63002
As 188.980	-1.9421	ppb	10.1199	521.1	-0.2240	-1.94210
B 249.678	2.8378	ppb	0.7657	27.0	69.5577	2.83781
Ba 389.178	-0.2717	ppb	0.9767	359.5	-19.5984	-0.27168
Be 313.042	0.0235	ppb	0.0068	29.1	-19.4597	0.02349
Ca 370.602	-4.335	ppb	2.089	48.2	-77.85	-4.33474
Cd 226.502	0.2383	ppb	0.1172	49.2	19.2919	0.23827
Co 228.615	-0.1093	ppb	0.4447	406.8	-11.3349	-0.10933
Cr 267.716	0.1973	ppb	0.3362	170.4	10.4257	0.19732
Cu 324.754	0.4339	ppb	0.2206	50.8	117.056	0.43387
Fe 271.441	2.2610	ppb	5.5464	245.3	-2.9298	2.26096
K 766.491	2.1828	ppb	0.1321	6.0	2386.74	2.18281
Mg 279.078	-5.0948	ppb	1.9364	38.0	24.2142	-5.09477
Mn 257.610	0.0664	ppb	0.0236	35.6	61.4920	0.06645
Mo 202.032	0.5334	ppb	0.0123	2.3	3.7102	0.53336
Na 330.237	-59.4257	ppb	107.679	181.2	0.1117	-59.42568
Ni 231.604	-0.1693	ppb	0.1852	109.4	1.2311	-0.16930
Pb 220.353	-3.8499	ppb	5.4781	142.3	-2.0152	-3.84989
Sb 206.834	0.3566	ppb	2.8797	807.6	4.6384	0.35657
Se 196.026	4.7671	ppb	4.0153	84.2	5.3713	4.76710
Sn 189.925	2.0929	ppb	2.0739	99.1	0.3492	2.09289
Sr 216.596	-0.1036	ppb	0.3362	324.4	-7.3521	-0.10364
Ti 334.941	-0.6027	ppb	0.0359	6.0	-34.4057	-0.60271
Tl 190.794	-0.1755	ppb	5.7064	3251.3	-0.5136	-0.17551
V 292.401	0.3249	ppb	0.2601	80.0	19.1768	0.32487
Zn 206.200	0.3612	ppb	0.5602	155.1	2.5357	0.36120

MB 272635 (Samp) **4/10/2013, 3:00:07 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3252	ppb	0.4535	139.5	-38.7182
Al 308.215	1.8249	ppb	1.0141	55.6	45.8370

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.4833	ppb	5.3981	155.0	-0.7922
B 249.678	3.4275	ppb	0.4708	13.7	75.0985
Ba 389.178	-0.1866	ppb	0.5746	308.0	-18.1484
Be 313.042	-0.0061	ppb	0.0039	64.6	-68.7335
Ca 370.602	-8.470	ppb	0.6260	7.4	-94.72
Cd 226.502	0.1005	ppb	0.0416	41.4	16.1258
Co 228.615	-0.0468	ppb	0.6014	1285.3	-10.7883
Cr 267.716	0.0605	ppb	0.3721	615.1	8.0721
Cu 324.754	0.1477	ppb	0.2118	143.4	105.995
Fe 271.441	2.0401	ppb	1.8462	90.5	-3.1157
K 766.491	1.1763	ppb	0.1575	13.4	2250.21
Mg 279.078	-1.2703	ppb	5.4294	427.4	28.8307
Mn 257.610	-0.2544	ppb	0.0407	16.0	28.8289
Mo 202.032	-0.1916	ppb	0.6098	318.4	1.0900
Na 330.237	-41.3895	ppb	45.6907	110.4	1.3953
Ni 231.604	-0.6893	ppb	0.4701	68.2	-0.3516
Pb 220.353	-1.6837	ppb	1.4986	89.0	-0.3237
Sb 206.834	-3.3458	ppb	2.6125	78.1	2.1455
Se 196.026	-0.3029	ppb	8.6712	2862.7	3.9910
Sn 189.925	-0.6194	ppb	1.0277	165.9	-1.3885
Sr 216.596	-0.4597	ppb	0.8349	181.6	-9.5454
Ti 334.941	-0.7192	ppb	0.0424	5.9	-61.0112
Tl 190.794	2.1673	ppb	5.0149	231.4	0.6292
V 292.401	0.1554	ppb	0.2344	150.8	14.2657
Zn 206.200	0.2470	ppb	0.5320	215.4	2.1721

LCS (Samp) **4/10/2013, 3:05:33 PM** **Rack 1, Tube 4**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.5878	ppb	1.0428	7.1	445.196
Al 308.215	4974.13	ppb	368.974	7.4	15047.4
As 188.980	92.9725	ppb	10.8622	11.7	34.7148
B 249.678	188.626	ppb	13.8735	7.4	1801.84
Ba 389.178	101.217	ppb	7.5190	7.4	1736.38
Be 313.042	50.9102	ppb	3.7522	7.4	84683.5
Ca 370.602	4865	ppb	334.9	6.9	18811
Cd 226.502	51.3825	ppb	4.3267	8.4	1205.30
Co 228.615	50.4176	ppb	3.2626	6.5	417.848
Cr 267.716	101.862	ppb	8.0894	7.9	1757.07
Cu 324.754	99.9650	ppb	10.7028	10.7	3953.74
Fe 271.441	4800.33	ppb	352.186	7.3	3843.75
K 766.491	5035.61	ppb	389.978	7.7	685311
Mg 279.078	4870.52	ppb	365.139	7.5	5890.76
Mn 257.610	523.120	ppb	39.0759	7.5	53320.4
Mo 202.032	98.2508	ppb	6.6407	6.8	356.180
Na 330.237	4827.28	ppb	373.359	7.7	344.684
Ni 231.604	101.454	ppb	7.5755	7.5	311.457
Pb 220.353	49.6688	ppb	7.7998	15.7	39.0531
Sb 206.834	41.7967	ppb	6.5064	15.6	33.2342
Se 196.026	95.1322	ppb	11.2083	11.8	30.0601
Sn 189.925	191.645	ppb	12.6382	6.6	121.796
Sr 216.596	99.2438	ppb	7.5627	7.6	611.230
Ti 334.941	95.8246	ppb	7.1294	7.4	21994.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	34.6489	ppb	1.9034	5.5	16.2653
V 292.401	97.8267	ppb	7.2000	7.4	2948.31
Zn 206.200	101.851	ppb	7.0784	6.9	325.730

LCS (Samp) **4/10/2013, 3:10:59 PM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	209.638	ppb	2.1035	1.0	6766.35
Al 308.215	2039.39	ppb	72.2161	3.5	6203.28
As 188.980	198.531	ppb	5.9082	3.0	73.4217
B 249.678	383.585	ppb	13.5531	3.5	3595.84
Ba 389.178	191.811	ppb	6.6376	3.5	3338.12
Be 313.042	204.286	ppb	7.2474	3.5	339879
Ca 370.602	20087	ppb	665.0	3.3	77744
Cd 226.502	203.978	ppb	7.6042	3.7	4745.22
Co 228.615	201.998	ppb	7.0483	3.5	1705.79
Cr 267.716	204.661	ppb	7.4520	3.6	3518.21
Cu 324.754	209.935	ppb	4.0916	1.9	8170.26
Fe 271.441	20241.8	ppb	716.244	3.5	16220.9
K 766.491	20134.2	ppb	701.450	3.5	2733911
Mg 279.078	20052.0	ppb	676.020	3.4	24156.0
Mn 257.610	2099.23	ppb	75.5376	3.6	213805
Mo 202.032	197.813	ppb	5.6674	2.9	713.760
Na 330.237	18600.5	ppb	830.243	4.5	1315.88
Ni 231.604	205.903	ppb	7.5600	3.7	631.269
Pb 220.353	199.374	ppb	8.3556	4.2	155.854
Sb 206.834	179.835	ppb	12.5929	7.0	128.409
Se 196.026	198.129	ppb	0.9278	0.5	58.2947
Sn 189.925	194.131	ppb	10.1170	5.2	123.362
Sr 216.596	209.509	ppb	7.6575	3.7	1303.43
Ti 334.941	195.087	ppb	6.7662	3.5	44682.4
Tl 190.794	33.8562	ppb	3.5776	10.6	15.2731
V 292.401	200.951	ppb	7.4233	3.7	6047.35
Zn 206.200	192.584	ppb	5.9242	3.1	615.280

88779-1 (Samp) **4/10/2013, 3:16:26 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2291	ppb	0.5271	230.1	-35.6433
Al 308.215	11.0165	ppb	1.7353	15.8	73.5573
As 188.980	-3.9764	ppb	4.9186	123.7	-1.0478
B 249.678	10.2111	ppb	1.0250	10.0	138.747
Ba 389.178	11.4275	ppb	0.2979	2.6	184.455
Be 313.042	0.0055	ppb	0.0165	299.4	-48.8484
Ca 370.602	5309	ppb	222.2	4.2	21523
Cd 226.502	0.0717	ppb	0.1698	236.8	15.4794
Co 228.615	-0.0772	ppb	0.9486	1229.0	-11.0468
Cr 267.716	-0.0870	ppb	0.0984	113.1	5.5728
Cu 324.754	27.9081	ppb	1.4066	5.0	1164.20
Fe 271.441	11.7799	ppb	6.7223	57.1	4.6773
K 766.491	2269.45	ppb	76.7778	3.4	310015

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	1814.06	ppb	76.3857	4.2	2220.03
Mn 257.610	0.1082	ppb	0.0983	90.8	70.5649
Mo 202.032	-0.1313	ppb	0.5644	429.8	1.3069
Na 330.237	7313.47	ppb	260.403	3.6	524.554
Ni 231.604	-0.2381	ppb	0.9014	378.5	1.0893
Pb 220.353	-1.9649	ppb	2.3031	117.2	-0.5449
Sb 206.834	-1.8768	ppb	1.9774	105.4	3.1806
Se 196.026	7.6218	ppb	16.7874	220.3	6.1754
Sn 189.925	-0.7194	ppb	4.0077	557.1	-1.4714
Sr 216.596	31.5673	ppb	1.3539	4.3	191.059
Ti 334.941	-0.6218	ppb	0.0506	8.1	-33.0142
Tl 190.794	-8.5344	ppb	6.0755	71.2	-4.6433
V 292.401	-0.0242	ppb	0.1317	545.2	8.6560
Zn 206.200	3.8643	ppb	0.0954	2.5	13.7597

mb 680-272071/1-a (Samp) **4/10/2013, 3:21:53 PM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1579	ppb	0.6183	391.5	-33.3067
Al 308.215	6.2734	ppb	2.3008	36.7	59.2571
As 188.980	-3.5893	ppb	2.7704	77.2	-0.8314
B 249.678	1.0539	ppb	0.1326	12.6	52.7289
Ba 389.178	-1.1724	ppb	0.3441	29.3	-34.9934
Be 313.042	-0.0122	ppb	0.0097	79.4	-79.1158
Ca 370.602	11.55	ppb	1.163	10.1	-18.71
Cd 226.502	-0.0035	ppb	0.0300	863.3	13.7967
Co 228.615	-0.3632	ppb	0.1812	49.9	-13.4936
Cr 267.716	0.8103	ppb	0.3091	38.2	20.9614
Cu 324.754	0.1436	ppb	0.2669	185.9	105.806
Fe 271.441	29.7257	ppb	2.1125	7.1	19.0347
K 766.491	19.6995	ppb	0.6305	3.2	4763.71
Mg 279.078	-5.1426	ppb	1.6941	32.9	24.0536
Mn 257.610	-0.1104	ppb	0.0125	11.3	43.5489
Mo 202.032	0.1795	ppb	0.7169	399.3	2.4284
Na 330.237	85.2124	ppb	88.6918	104.1	10.3844
Ni 231.604	0.1012	ppb	0.9798	968.1	2.0563
Pb 220.353	-1.1262	ppb	1.7337	153.9	0.1090
Sb 206.834	-3.0888	ppb	0.1674	5.4	2.2792
Se 196.026	-8.8301	ppb	11.1611	126.4	1.6692
Sn 189.925	21.9750	ppb	2.2705	10.3	13.0870
Sr 216.596	-1.0067	ppb	0.4256	42.3	-12.9996
Ti 334.941	-0.3932	ppb	0.0201	5.1	13.4770
Tl 190.794	-4.7687	ppb	1.8819	39.5	-2.7563
V 292.401	-0.1054	ppb	0.3304	313.4	6.0841
Zn 206.200	0.6704	ppb	0.6714	100.1	3.5191

lcs 680-272071/2-a (Samp) **4/10/2013, 3:27:20 PM** **Rack 1, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.5783	ppb	0.6403	7.5	250.625
Al 308.215	5349.64	ppb	10.3756	0.2	16180.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	98.0938	ppb	3.6033	3.7	36.5985
B 249.678	196.525	ppb	0.3917	0.2	1874.99
Ba 389.178	109.815	ppb	1.0527	1.0	1885.01
Be 313.042	55.0739	ppb	0.0332	0.1	91614.2
Ca 370.602	5300	ppb	6.083	0.1	20502
Cd 226.502	54.8231	ppb	0.1711	0.3	1285.27
Co 228.615	54.3231	ppb	0.4828	0.9	451.026
Cr 267.716	111.181	ppb	0.3045	0.3	1917.19
Cu 324.754	110.465	ppb	0.2699	0.2	4358.64
Fe 271.441	5205.71	ppb	1.9456	0.0	4168.74
K 766.491	5277.00	ppb	1.2669	0.0	718061
Mg 279.078	5229.17	ppb	8.7724	0.2	6322.11
Mn 257.610	568.827	ppb	0.3358	0.1	57974.2
Mo 202.032	106.410	ppb	0.2643	0.2	385.608
Na 330.237	5115.62	ppb	101.340	2.0	364.936
Ni 231.604	109.105	ppb	1.0824	1.0	334.815
Pb 220.353	53.6685	ppb	2.4556	4.6	42.1181
Sb 206.834	47.2671	ppb	2.0782	4.4	36.9599
Se 196.026	102.203	ppb	11.4912	11.2	31.9924
Sn 189.925	216.513	ppb	2.8640	1.3	137.729
Sr 216.596	106.435	ppb	0.7771	0.7	656.000
Ti 334.941	104.775	ppb	0.1073	0.1	24039.0
Tl 190.794	37.9492	ppb	9.9118	26.1	17.8578
V 292.401	106.107	ppb	0.4423	0.4	3197.00
Zn 206.200	112.013	ppb	0.6349	0.6	358.087

lcs 680-272071/3-a (Samp) **4/10/2013, 3:32:48 PM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	207.019	ppb	1.5660	0.8	6681.70
Al 308.215	2247.64	ppb	0.9607	0.0	6831.86
As 188.980	202.115	ppb	9.1081	4.5	74.7350
B 249.678	385.311	ppb	1.2367	0.3	3610.56
Ba 389.178	199.348	ppb	0.6582	0.3	3468.87
Be 313.042	212.656	ppb	0.1647	0.1	353807
Ca 370.602	20804	ppb	13.61	0.1	80539
Cd 226.502	208.294	ppb	0.5752	0.3	4845.76
Co 228.615	208.262	ppb	0.8080	0.4	1759.02
Cr 267.716	214.500	ppb	0.7193	0.3	3687.21
Cu 324.754	216.017	ppb	0.6997	0.3	8403.65
Fe 271.441	20866.3	ppb	17.8385	0.1	16721.6
K 766.491	20177.1	ppb	23.1313	0.1	2739730
Mg 279.078	20386.1	ppb	18.0098	0.1	24556.9
Mn 257.610	2176.91	ppb	2.4600	0.1	221714
Mo 202.032	206.932	ppb	0.3868	0.2	746.627
Na 330.237	18673.8	ppb	38.9776	0.2	1320.71
Ni 231.604	212.187	ppb	1.8086	0.9	650.472
Pb 220.353	200.574	ppb	1.6840	0.8	156.749
Sb 206.834	185.278	ppb	3.6552	2.0	132.169
Se 196.026	198.313	ppb	13.6559	6.9	58.3551
Sn 189.925	215.038	ppb	4.4813	2.1	136.756
Sr 216.596	218.233	ppb	1.1231	0.5	1357.96
Ti 334.941	205.098	ppb	0.2493	0.1	46969.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	40.1416	ppb	6.4397	16.0	18.3129
V 292.401	209.215	ppb	0.0998	0.0	6295.40
Zn 206.200	199.157	ppb	0.8255	0.4	636.209

680-89004-b-1-a (Samp) **4/10/2013, 3:38:16 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1793	ppb	0.4814	15.1	-52.7596
Al 308.215	181076	ppb	409.337	0.2	546093
As 188.980	42.2220	ppb	10.5846	25.1	15.7346
B 249.678	42.2185	ppb	0.5998	1.4	-56.5523
Ba 389.178	1003.29	ppb	2.7706	0.3	17446.2
Be 313.042	7.7856	ppb	0.0069	0.1	13106.4
Ca 370.602	9104	ppb	12.52	0.1	-1274
Cd 226.502	-0.8702	ppb	0.1876	21.6	437.205
Co 228.615	233.368	ppb	1.2885	0.6	1994.33
Cr 267.716	237.575	ppb	1.2139	0.5	4013.53
Cu 324.754	81.3122	ppb	0.9433	1.2	3301.99
Fe 271.441	200559	ppb	351.901	0.2	160660
K 766.491	15126.3	ppb	22.1439	0.1	2054188
Mg 279.078	10575.8	ppb	5.3344	0.1	12006.7
Mn 257.610	26713.6	ppb	81.6624	0.3	2719390
Mo 202.032	6.0071	ppb	0.6037	10.0	-1.8299
Na 330.237	696.738	ppb	55.7642	8.0	-57.4286
Ni 231.604	121.916	ppb	1.0600	0.9	386.312
Pb 220.353	199.292	ppb	7.6103	3.8	138.831
Sb 206.834	-3.3931	ppb	2.8018	82.6	7.5247
Se 196.026	3.3177	ppb	9.9028	298.5	7.7133
Sn 189.925	26.7348	ppb	2.1413	8.0	16.4428
Sr 216.596	81.4275	ppb	0.5786	0.7	598.823
Ti 334.941	1188.64	ppb	2.6235	0.2	271532
Tl 190.794	10.6309	ppb	4.7626	44.8	-6.4410
V 292.401	320.637	ppb	0.6936	0.2	9720.70
Zn 206.200	283.585	ppb	0.4444	0.2	909.225

680-89004-b-2-a (Samp) **4/10/2013, 3:45:12 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.1190b	ppb	0.5964	28.1	11.7194
Al 308.215	253610b	ppb	93.2063	0.0	764816
As 188.980	11.8993b	ppb	12.8333	107.8	4.3776
B 249.678	78.2180b	ppb	0.9181	1.2	-6.9405
Ba 389.178	1644.64b	ppb	3.6533	0.2	28594.2
Be 313.042	8.0507b	ppb	0.0135	0.2	13574.3
Ca 370.602	12270b	ppb	6.500	0.1	-10762
Cd 226.502	-2.0189b	ppb	0.2223	11.0	665.777
Co 228.615	329.462b	ppb	3.3377	1.0	2814.11
Cr 267.716	269.052b	ppb	0.0395	0.0	4503.25
Cu 324.754	155.920b	ppb	1.6893	1.1	6233.73
Fe 271.441	316685b	ppb	318.017	0.1	253683
K 766.491	30574.3b	ppb	28.8380	0.1	4150037

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	17913.0b	ppb	8.3589	0.0	20412.5
Mn 257.610	38268.1xb	ppb	113.995	0.3	3895623
Mo 202.032	4.9434b	ppb	0.6903	14.0	-20.5188
Na 330.237	1285.34b	ppb	27.5926	2.1	-75.5145
Ni 231.604	160.422b	ppb	1.6075	1.0	511.248
Pb 220.353	283.615b	ppb	3.8408	1.4	197.503
Sb 206.834	-4.1260b	ppb	2.1413	51.9	10.3411
Se 196.026	23.6207b	ppb	15.1770	64.3	13.9806
Sn 189.925	32.3281b	ppb	3.4507	10.7	20.0493
Sr 216.596	137.859b	ppb	1.5108	1.1	1008.22
Ti 334.941	1241.62b	ppb	1.8264	0.1	283642
Tl 190.794	7.7075b	ppb	5.2055	67.5	-14.6431
V 292.401	359.743b	ppb	1.0141	0.3	10906.5
Zn 206.200	245.193b	ppb	1.5941	0.7	789.973

680-89004-b-3-a (Samp) **4/10/2013, 3:50:40 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1880b	ppb	0.6540	347.9	-91.0685
Al 308.215	281361b	ppb	463.990	0.2	848504
As 188.980	0.3740b	ppb	3.2468	868.1	0.3079
B 249.678	144.876b	ppb	0.8568	0.6	695.546
Ba 389.178	413.191b	ppb	1.4496	0.4	7459.69
Be 313.042	8.6997b	ppb	0.0144	0.2	14624.3
Ca 370.602	4175b	ppb	7.146	0.2	-38257
Cd 226.502	-1.7993b	ppb	0.4591	25.5	601.001
Co 228.615	36.1316b	ppb	0.3285	0.9	328.780
Cr 267.716	380.344b	ppb	0.5489	0.1	6389.73
Cu 324.754	156.348b	ppb	1.9257	1.2	6256.19
Fe 271.441	283473b	ppb	206.068	0.1	227064
K 766.491	45607.6xb	ppb	27.1529	0.1	6190160
Mg 279.078	26206.1b	ppb	54.4512	0.2	30613.5
Mn 257.610	1121.48b	ppb	0.1943	0.0	114635
Mo 202.032	1.0317b	ppb	0.6176	59.9	-29.6549
Na 330.237	782.920b	ppb	169.838	21.7	-98.6405
Ni 231.604	144.096b	ppb	0.6454	0.4	459.942
Pb 220.353	24.2338b	ppb	9.3760	38.7	-7.3928
Sb 206.834	0.9365b	ppb	6.8641	732.9	12.9545
Se 196.026	21.4883b	ppb	24.8453	115.6	7.0082
Sn 189.925	29.8363b	ppb	1.7284	5.8	18.6254
Sr 216.596	42.1364b	ppb	0.9876	2.3	393.867
Ti 334.941	1811.62b	ppb	0.2676	0.0	413778
Tl 190.794	-7.8781b	ppb	5.1633	65.5	-20.8687
V 292.401	297.839b	ppb	0.1645	0.1	9099.21
Zn 206.200	254.781b	ppb	1.9531	0.8	819.564

Cont Calib Verif (CCV) **4/10/2013, 3:56:07 PM** **Rack 1, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.770	ppb	1.5438	0.3	16190.9	100.15405
Al 308.215	5096.80	ppb	1.0181	0.0	15685.8	101.93601

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	496.130	ppb	7.7868	1.6	184.177	99.22609
B 249.678	509.677	ppb	0.9175	0.2	4821.56	20.38708Q
Ba 389.178	5152.82	ppb	9.2455	0.2	88366.6	103.05650
Be 313.042	518.433	ppb	0.8109	0.2	865525	103.68652
Ca 370.602	5054	ppb	15.75	0.3	19797	101.07886
Cd 226.502	512.598	ppb	0.9639	0.2	11805.1	102.51967
Co 228.615	512.995	ppb	2.1939	0.4	4351.97	102.59904
Cr 267.716	5174.28	ppb	13.1008	0.3	89008.2	103.48560
Cu 324.754	5167.47	ppb	18.4083	0.4	199846	103.34933
Fe 271.441	4987.33	ppb	13.7262	0.3	4056.35	99.74660
K 766.491	10086.7	ppb	16.9148	0.2	1369221	100.86729
Mg 279.078	5026.20	ppb	5.3742	0.1	6068.95	100.52402
Mn 257.610	5325.98	ppb	10.2456	0.2	542187	106.51966
Mo 202.032	502.583	ppb	2.2550	0.4	1808.24	100.51666
Na 330.237	7458.15	ppb	30.2027	0.4	532.967	99.44197
Ni 231.604	2611.07	ppb	1.1546	0.0	7963.70	104.44273
Pb 220.353	504.950	ppb	3.8316	0.8	389.635	100.98997
Sb 206.834	920.563	ppb	2.1423	0.2	662.015	36.82252Q
Se 196.026	4974.04	ppb	17.2210	0.3	1359.21	99.48080
Sn 189.925	4945.88	ppb	16.5539	0.3	3167.77	98.91761
Sr 216.596	2531.57	ppb	1.7052	0.1	15724.4	101.26285
Ti 334.941	500.334	ppb	1.3182	0.3	114688	100.06683
Tl 190.794	4989.37	ppb	29.6308	0.6	2438.27	99.78740
V 292.401	4998.24	ppb	4.8088	0.1	151240	99.96485
Zn 206.200	2600.83	ppb	1.3767	0.1	8266.31	104.03340

Cont Calib Blank (CCB) **4/10/2013, 4:01:32 PM** **Rack 1, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2293	ppb	0.2996	130.7	-20.7574	0.22930
Al 308.215	-2.2080	ppb	1.6315	73.9	33.6844	-2.20802
As 188.980	-6.5246	ppb	1.8406	28.2	-1.9133	-6.52458
B 249.678	1.0033	ppb	0.2383	23.7	52.3654	1.00330
Ba 389.178	-0.6478	ppb	1.1429	176.4	-26.0581	-0.64776
Be 313.042	0.0007	ppb	0.0086	1221.0	-57.4363	0.00070
Ca 370.602	-6.861	ppb	1.424	20.8	-86.84	-6.86144
Cd 226.502	0.1174	ppb	0.1617	137.8	16.4992	0.11737
Co 228.615	0.3872	ppb	0.3318	85.7	-7.1067	0.38716
Cr 267.716	0.6657	ppb	0.0907	13.6	18.4898	0.66566
Cu 324.754	0.2779	ppb	0.3193	114.9	111.032	0.27790
Fe 271.441	-4.6351	ppb	3.9031	84.2	-8.4418	-4.63513
K 766.491	1.2668	ppb	0.2875	22.7	2262.63	1.26683
Mg 279.078	-9.5579	ppb	6.2921	65.8	18.8517	-9.55787
Mn 257.610	-0.0517	ppb	0.1023	198.0	49.4572	-0.05167
Mo 202.032	0.3042	ppb	1.0580	347.8	2.8832	0.30424
Na 330.237	-15.3710	ppb	63.0805	410.4	3.2499	-15.37102
Ni 231.604	0.2814	ppb	0.3443	122.3	2.6045	0.28140
Pb 220.353	-3.0436	ppb	1.9727	64.8	-1.3858	-3.04362
Sb 206.834	-0.7005	ppb	3.1172	445.0	3.9354	-0.70051
Se 196.026	3.2124	ppb	1.6543	51.5	4.9481	3.21239
Sn 189.925	-0.1442	ppb	0.6585	456.8	-1.0840	-0.14416
Sr 216.596	0.1275	ppb	0.2591	203.3	-5.9158	0.12747
Ti 334.941	-0.6858	ppb	0.0370	5.4	-53.3476	-0.68577

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	1.5061	ppb	6.6540	441.8	0.3075	1.50606
V 292.401	0.1516	ppb	0.1944	128.3	14.0264	0.15156
Zn 206.200	0.5102	ppb	0.1552	30.4	3.0085	0.51024

680-89004-b-4-a (Samp) **4/10/2013, 4:09:54 PM** **Rack 1, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.4788	ppb	0.6317	11.5	-296.912
Al 308.215	226180	ppb	237.603	0.1	682073
As 188.980	44.3005	ppb	4.5042	10.2	16.2343
B 249.678	71.4764	ppb	0.8338	1.2	-571.301
Ba 389.178	876.984	ppb	1.2398	0.1	15661.9
Be 313.042	15.3121	ppb	0.0115	0.1	25640.8
Ca 370.602	2114	ppb	12.66	0.6	-91933
Cd 226.502	-3.7494	ppb	0.2968	7.9	1050.31
Co 228.615	42.0231	ppb	0.1967	0.5	367.014
Cr 267.716	317.758	ppb	1.9011	0.6	5179.65
Cu 324.754	313.105	ppb	0.6124	0.2	12442.8
Fe 271.441	514365	ppb	162.793	0.0	412013
K 766.491	23575.8	ppb	14.8725	0.1	3200671
Mg 279.078	13023.5	ppb	10.2173	0.1	13844.3
Mn 257.610	2390.44	ppb	1.4874	0.1	244026
Mo 202.032	1.7422	ppb	1.7112	98.2	-59.2361
Na 330.237	744.022	ppb	52.0976	7.0	-211.223
Ni 231.604	226.597	ppb	3.1830	1.4	725.430
Pb 220.353	140.704	ppb	15.0279	10.7	87.7981
Sb 206.834	-3.9104	ppb	2.8531	73.0	16.9808
Se 196.026	29.9573	ppb	5.4199	18.1	5.8326
Sn 189.925	25.2040	ppb	6.4359	25.5	15.4320
Sr 216.596	389.639	ppb	3.2870	0.8	2676.19
Ti 334.941	730.708	ppb	0.3612	0.0	166987
Tl 190.794	-0.5185	ppb	5.5845	1077.0	-29.6726
V 292.401	333.158	ppb	0.1048	0.0	10212.3
Zn 206.200	292.059	ppb	1.4802	0.5	943.924

680-89004-b-5-a (Samp) **4/10/2013, 4:15:20 PM** **Rack 1, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.2719b	ppb	0.8370	25.6	-179.618
Al 308.215	265672b	ppb	256.917	0.1	801185
As 188.980	2.2955b	ppb	7.3115	318.5	0.9751
B 249.678	150.954b	ppb	1.6641	1.1	673.496
Ba 389.178	548.033b	ppb	0.4318	0.1	9829.67
Be 313.042	13.4639b	ppb	0.0163	0.1	22485.5
Ca 370.602	1095b	ppb	6.964	0.6	-56920
Cd 226.502	-1.9100b	ppb	0.3283	17.2	667.420
Co 228.615	126.161b	ppb	0.9750	0.8	1104.66
Cr 267.716	301.505b	ppb	0.7457	0.2	5021.31
Cu 324.754	203.878b	ppb	2.3673	1.2	8117.62
Fe 271.441	315727b	ppb	542.310	0.2	252904
K 766.491	50720.9xb	ppb	60.4716	0.1	6883911

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	36759.2b	ppb	22.4488	0.1	43223.8
Mn 257.610	5484.47b	ppb	5.6377	0.1	558797
Mo 202.032	-0.8817b	ppb	0.9077	103.0	-41.0151
Na 330.237	864.792b	ppb	161.934	18.7	-114.584
Ni 231.604	284.001b	ppb	0.6546	0.2	888.784
Pb 220.353	21.2230b	ppb	6.2987	29.7	-8.2948
Sb 206.834	-2.0794b	ppb	6.2227	299.3	10.0065
Se 196.026	19.9679b	ppb	8.0179	40.2	6.9320
Sn 189.925	29.1926b	ppb	7.0405	24.1	18.4082
Sr 216.596	32.8523b	ppb	0.7207	2.2	345.745
Ti 334.941	2501.01b	ppb	3.2479	0.1	571171
Tl 190.794	2.9270b	ppb	7.7039	263.2	-16.5932
V 292.401	205.064b	ppb	0.5303	0.3	6293.84
Zn 206.200	387.493b	ppb	1.0827	0.3	1243.82

680-89004-b-6-a (Samp) **4/10/2013, 4:20:46 PM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-5.3009	ppb	0.4287	8.1	-204.284
Al 308.215	278698	ppb	313.287	0.1	840468
As 188.980	3.6149	ppb	7.3168	202.4	1.4398
B 249.678	70.1424	ppb	1.3836	2.0	-104.467
Ba 389.178	622.104	ppb	1.7932	0.3	11077.0
Be 313.042	12.8362	ppb	0.0097	0.1	21496.8
Ca 370.602	2164	ppb	13.53	0.6	-54049
Cd 226.502	-2.2451	ppb	0.4091	18.2	677.350
Co 228.615	144.657	ppb	1.3052	0.9	1237.48
Cr 267.716	248.963	ppb	0.3470	0.1	4121.16
Cu 324.754	149.680	ppb	0.8469	0.6	6030.51
Fe 271.441	323641	ppb	144.438	0.0	259245
K 766.491	31331.5	ppb	3.8165	0.0	4253064
Mg 279.078	20027.0	ppb	46.8571	0.2	22983.3
Mn 257.610	13421.7	ppb	14.2615	0.1	1366639
Mo 202.032	1.2774	ppb	0.6366	49.8	-34.2625
Na 330.237	788.016	ppb	167.009	21.2	-111.137
Ni 231.604	222.206	ppb	1.8443	0.8	700.245
Pb 220.353	88.5502	ppb	2.8829	3.3	43.0450
Sb 206.834	-13.2653	ppb	4.5407	34.2	4.7917
Se 196.026	9.1714	ppb	21.9575	239.4	5.3206
Sn 189.925	25.6355	ppb	3.5813	14.0	15.7028
Sr 216.596	69.2941	ppb	0.3537	0.5	580.249
Ti 334.941	850.462	ppb	0.5774	0.1	194321
Tl 190.794	-3.1153	ppb	4.7822	153.5	-21.1227
V 292.401	290.712	ppb	0.5737	0.2	8864.20
Zn 206.200	420.771	ppb	1.2598	0.3	1349.65

680-89004-b-7-a (Samp) **4/10/2013, 4:26:12 PM** **Rack 1, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1096	ppb	0.4799	15.4	-128.414
Al 308.215	196016	ppb	285.370	0.1	591143

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.6368	ppb	6.3196	173.8	1.6230
B 249.678	64.7457	ppb	0.9654	1.5	250.826
Ba 389.178	719.682	ppb	2.3709	0.3	12559.3
Be 313.042	7.8686	ppb	0.0193	0.2	13150.5
Ca 370.602	2118	ppb	8.792	0.4	-22448
Cd 226.502	-1.1209	ppb	0.6789	60.6	347.793
Co 228.615	121.277	ppb	1.0553	0.9	1054.35
Cr 267.716	177.505	ppb	0.8572	0.5	2980.76
Cu 324.754	77.0847	ppb	0.3561	0.5	3138.16
Fe 271.441	161084	ppb	337.958	0.2	129033
K 766.491	27970.0	ppb	75.8271	0.3	3796946
Mg 279.078	22373.0	ppb	17.6963	0.1	26425.0
Mn 257.610	8611.36	ppb	16.6649	0.2	876840
Mo 202.032	-0.4628	ppb	0.3166	68.4	-19.3995
Na 330.237	550.279	ppb	136.699	24.8	-54.6506
Ni 231.604	191.676	ppb	2.3968	1.3	597.029
Pb 220.353	36.4215	ppb	5.3391	14.7	10.6227
Sb 206.834	-4.5485	ppb	2.3187	51.0	3.7361
Se 196.026	-1.6761	ppb	17.1028	1020.4	3.6273
Sn 189.925	27.3535	ppb	1.1570	4.2	17.0896
Sr 216.596	69.6036	ppb	1.0547	1.5	503.156
Ti 334.941	2084.10	ppb	4.1026	0.2	475969
Tl 190.794	2.4521	ppb	6.9266	282.5	-8.1609
V 292.401	168.406	ppb	0.7346	0.4	5145.19
Zn 206.200	317.038	ppb	1.6099	0.5	1015.47

680-89004-b-8-a (Samp) **4/10/2013, 4:31:39 PM** **Rack 1, Tube 19**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0060	ppb	0.3138	31.2	-96.0431
Al 308.215	102990	ppb	77.0605	0.1	310600
As 188.980	73.7873	ppb	17.5239	23.7	15.8021
B 249.678	127.029	ppb	1.0054	0.8	620.621
Ba 389.178	506.036	ppb	1.1309	0.2	9873.28
Be 313.042	6.6213	ppb	0.0181	0.3	11306.3
Ca 370.602	838410	ppb	1492	0.2	3360606
Cd 226.502	53.6309	ppb	0.5623	1.0	1788.31
Co 228.615	106.645	ppb	2.2682	2.1	912.783
Cr 267.716	235.153	ppb	0.4099	0.2	3916.10
Cu 324.754	755.024	ppb	2.7091	0.4	27005.5
Fe 271.441	246780	ppb	134.909	0.1	197676
K 766.491	42141.0	ppb	34.8234	0.1	5719760
Mg 279.078	480136	ppb	858.344	0.2	578669
Mn 257.610	4378.73	ppb	3.6648	0.1	447319
Mo 202.032	8.4271	ppb	0.8563	10.2	-0.1604
Na 330.237	1548.89	ppb	52.2146	3.4	-2.8126
Ni 231.604	147.881	ppb	2.1406	1.4	486.923
Pb 220.353	616.548	ppb	6.7344	1.1	471.473
Sb 206.834	4.6138	ppb	5.8298	126.4	22.7562
Se 196.026	-8.9775	ppb	13.9838	155.8	4.5286
Sn 189.925	60.5719	ppb	3.1433	5.2	34.7985
Sr 216.596	385.621	ppb	2.3375	0.6	2558.69
Ti 334.941	835.613	ppb	0.4247	0.1	191907

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-15.6809	ppb	3.6711	23.4	-29.7376
V 292.401	177.462	ppb	0.7051	0.4	5436.52
Zn 206.200	8717.98	ppb	18.6874	0.2	27795.5

680-89004-b-9-a (Samp) **4/10/2013, 4:37:06 PM** **Rack 1, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1462b	ppb	0.6684	58.3	-61.8168
Al 308.215	126710b	ppb	110.239	0.1	382134
As 188.980	32.4625b	ppb	15.5121	47.8	10.6333
B 249.678	132.051b	ppb	1.1665	0.9	702.792
Ba 389.178	1338.68b	ppb	1.3222	0.1	23283.4
Be 313.042	9.9334b	ppb	0.0135	0.1	16612.3
Ca 370.602	113828b	ppb	20.77	0.0	417312
Cd 226.502	-0.0466b	ppb	0.1410	302.8	526.594
Co 228.615	306.560b	ppb	0.8586	0.3	2614.38
Cr 267.716	246.480b	ppb	0.3233	0.1	4128.04
Cu 324.754	273.497b	ppb	2.3470	0.9	10452.5
Fe 271.441	234575b	ppb	151.590	0.1	187909
K 766.491	47955.7xb	ppb	35.7862	0.1	6508495
Mg 279.078	35050.7b	ppb	33.9441	0.1	41450.2
Mn 257.610	11678.5b	ppb	7.5713	0.1	1189136
Mo 202.032	0.3825b	ppb	0.9764	255.3	-27.2585
Na 330.237	1570.35b	ppb	100.837	6.4	-10.5276
Ni 231.604	174.168b	ppb	1.4808	0.9	548.627
Pb 220.353	146.297b	ppb	11.2006	7.7	102.365
Sb 206.834	0.5786b	ppb	6.7461	1166.0	12.6968
Se 196.026	1.6445b	ppb	13.8632	843.0	4.1997
Sn 189.925	32.9531b	ppb	3.3095	10.0	19.9755
Sr 216.596	258.780b	ppb	1.3930	0.5	1726.90
Ti 334.941	996.961b	ppb	0.5247	0.1	227889
Tl 190.794	-1.9942b	ppb	6.6674	334.3	-15.0286
V 292.401	172.913b	ppb	0.4780	0.3	5276.69
Zn 206.200	740.033b	ppb	0.0918	0.0	2364.98

680-89004-b-10-a (Samp) **4/10/2013, 4:42:33 PM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9344	ppb	0.9193	98.4	-63.5529
Al 308.215	123158	ppb	251.478	0.2	371432
As 188.980	31.2095	ppb	9.6325	30.9	11.7057
B 249.678	36.3863	ppb	0.3741	1.0	-77.0730
Ba 389.178	375.242	ppb	0.7321	0.2	6654.71
Be 313.042	3.8839	ppb	0.0101	0.3	6572.26
Ca 370.602	8287	ppb	14.37	0.2	-2474
Cd 226.502	-1.6011	ppb	0.1135	7.1	386.196
Co 228.615	184.866	ppb	1.0104	0.5	1575.97
Cr 267.716	207.041	ppb	1.1799	0.6	3471.07
Cu 324.754	76.9392	ppb	0.2324	0.3	3132.09
Fe 271.441	186222	ppb	625.142	0.3	149173
K 766.491	11617.8	ppb	18.9468	0.2	1578322

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	6590.32	ppb	15.5316	0.2	7283.06
Mn 257.610	7463.84	ppb	20.5703	0.3	760013
Mo 202.032	5.4458	ppb	0.1792	3.3	-2.5987
Na 330.237	1339.76	ppb	81.0822	6.1	-1.7045
Ni 231.604	67.1946	ppb	1.4500	2.2	218.469
Pb 220.353	138.882	ppb	2.0964	1.5	97.1305
Sb 206.834	-5.8419	ppb	3.8218	65.4	5.8420
Se 196.026	11.1189	ppb	8.6583	77.9	6.2021
Sn 189.925	26.3705	ppb	6.0364	22.9	16.1137
Sr 216.596	58.5196	ppb	0.7484	1.3	449.667
Ti 334.941	809.705	ppb	2.6260	0.3	185008
Tl 190.794	-7.2502	ppb	4.2987	59.3	-14.1782
V 292.401	251.427	ppb	0.5669	0.2	7657.19
Zn 206.200	176.119	ppb	0.7446	0.4	566.523

680-89004-b-11-a (Samp) **4/10/2013, 4:48:00 PM** **Rack 1, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7458	ppb	0.2155	28.9	-99.1030
Al 308.215	166358	ppb	697.986	0.4	501701
As 188.980	20.4389	ppb	9.2871	45.4	7.5741
B 249.678	49.7260	ppb	0.5179	1.0	-107.435
Ba 389.178	406.530	ppb	2.1495	0.5	7269.03
Be 313.042	4.1723	ppb	0.0099	0.2	7083.55
Ca 370.602	14789	ppb	9.059	0.1	11802
Cd 226.502	-2.1724	ppb	0.5550	25.5	507.017
Co 228.615	35.8341	ppb	0.5717	1.6	306.185
Cr 267.716	210.789	ppb	1.4101	0.7	3491.00
Cu 324.754	90.6407	ppb	0.4439	0.5	3674.35
Fe 271.441	247131	ppb	1160.78	0.5	197954
K 766.491	20084.6	ppb	70.5907	0.4	2727117
Mg 279.078	9119.17	ppb	38.6451	0.4	10122.8
Mn 257.610	633.138	ppb	2.9622	0.5	64825.2
Mo 202.032	4.4961	ppb	1.5465	34.4	-13.7819
Na 330.237	1904.77	ppb	118.768	6.2	9.6593
Ni 231.604	81.1931	ppb	1.6901	2.1	265.203
Pb 220.353	44.9821	ppb	8.1059	18.0	19.6949
Sb 206.834	-6.3901	ppb	6.3050	98.7	7.6133
Se 196.026	17.2432	ppb	15.2057	88.2	5.8470
Sn 189.925	32.9522	ppb	5.6707	17.2	20.2398
Sr 216.596	91.2567	ppb	1.1538	1.3	684.572
Ti 334.941	509.792	ppb	2.5981	0.5	116545
Tl 190.794	-4.7609	ppb	8.2220	172.7	-17.1666
V 292.401	290.106	ppb	1.7600	0.6	8855.66
Zn 206.200	180.088	ppb	2.1643	1.2	580.784

680-89004-b-12-a (Samp) **4/10/2013, 4:53:28 PM** **Rack 1, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.8947	ppb	0.7141	37.7	-155.943
Al 308.215	252037	ppb	374.378	0.1	760070

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	30.7507	ppb	3.3368	10.9	11.0246
B 249.678	44.7682	ppb	1.2015	2.7	-470.297
Ba 389.178	289.126	ppb	1.2805	0.4	5417.38
Be 313.042	5.9024	ppb	0.0138	0.2	10053.6
Ca 370.602	30246	ppb	24.11	0.1	49799
Cd 226.502	-2.6093	ppb	0.2461	9.4	776.119
Co 228.615	92.6137	ppb	1.3678	1.5	787.667
Cr 267.716	270.182	ppb	1.3105	0.5	4439.92
Cu 324.754	104.056	ppb	0.5767	0.6	4209.34
Fe 271.441	374101	ppb	504.363	0.1	299663
K 766.491	27722.1	ppb	34.8170	0.1	3763430
Mg 279.078	13566.1	ppb	32.5689	0.2	15019.3
Mn 257.610	1504.16	ppb	3.4963	0.2	153645
Mo 202.032	3.7464	ppb	0.3303	8.8	-32.7991
Na 330.237	2247.69	ppb	77.8139	3.5	-29.1763
Ni 231.604	109.730	ppb	3.4562	3.1	360.362
Pb 220.353	52.7250	ppb	8.5015	16.1	17.3386
Sb 206.834	-4.7358	ppb	3.4773	73.4	13.0370
Se 196.026	14.6842	ppb	2.6814	18.3	3.7751
Sn 189.925	32.1349	ppb	7.4868	23.3	19.6250
Sr 216.596	155.461	ppb	0.6331	0.4	1149.07
Ti 334.941	296.541	ppb	0.5208	0.2	67886.0
Tl 190.794	0.0080	ppb	12.3390	154785.7	-22.6125
V 292.401	416.962	ppb	1.0016	0.2	12725.2
Zn 206.200	250.835	ppb	2.7451	1.1	809.274

680-89004-b-13-a (Samp) **4/10/2013, 4:58:56 PM** **Rack 1, Tube 24**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6568	ppb	0.9142	139.2	-115.152
Al 308.215	213879	ppb	3851.48	1.8	644998
As 188.980	29.6781	ppb	10.0899	34.0	10.6588
B 249.678	45.5299	ppb	0.4710	1.0	-471.502
Ba 389.178	361.038	ppb	8.2188	2.3	6649.69
Be 313.042	5.2503	ppb	0.1073	2.0	8956.82
Ca 370.602	28479	ppb	192.6	0.7	42072
Cd 226.502	-2.8628	ppb	0.2588	9.0	774.089
Co 228.615	44.3879	ppb	1.3119	3.0	379.580
Cr 267.716	293.267	ppb	5.4648	1.9	4836.07
Cu 324.754	93.7148	ppb	1.4400	1.5	3815.14
Fe 271.441	377035	ppb	7206.66	1.9	302011
K 766.491	22982.9	ppb	338.864	1.5	3120381
Mg 279.078	11456.6	ppb	162.482	1.4	12461.5
Mn 257.610	1902.71	ppb	34.7819	1.8	194210
Mo 202.032	4.1406	ppb	2.0656	49.9	-32.2585
Na 330.237	2141.70	ppb	143.917	6.7	-39.1769
Ni 231.604	90.7110	ppb	0.6404	0.7	302.504
Pb 220.353	85.2712	ppb	5.4583	6.4	46.2128
Sb 206.834	-0.0624	ppb	11.7836	18892.1	16.3144
Se 196.026	29.1251	ppb	23.2308	79.8	7.5945
Sn 189.925	29.0169	ppb	3.7957	13.1	17.6629
Sr 216.596	143.288	ppb	2.6259	1.8	1074.28
Ti 334.941	405.751	ppb	7.4567	1.8	92818.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-8.6387	ppb	6.4505	74.7	-26.5727
V 292.401	403.995	ppb	6.5659	1.6	12331.1
Zn 206.200	183.450	ppb	3.1209	1.7	594.518

Cont Calib Verif (CCV) **4/10/2013, 5:04:22 PM** **Rack 1, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	500.097	ppb	2.9234	0.6	16169.0	100.01942
Al 308.215	5132.38	ppb	20.7898	0.4	15793.8	102.64761
As 188.980	494.452	ppb	3.8585	0.8	183.559	98.89041
B 249.678	509.777	ppb	1.4650	0.3	4822.49	20.39109Q
Ba 389.178	5149.22	ppb	15.0541	0.3	88304.9	102.98431
Be 313.042	518.714	ppb	1.6547	0.3	866002	103.74282
Ca 370.602	5051	ppb	18.62	0.4	19780	101.01296
Cd 226.502	510.700	ppb	1.2465	0.2	11761.5	102.14002
Co 228.615	512.721	ppb	2.0157	0.4	4349.69	102.54427
Cr 267.716	5162.02	ppb	13.6368	0.3	88797.1	103.24035
Cu 324.754	5162.89	ppb	31.8079	0.6	199669	103.25786
Fe 271.441	4996.18	ppb	7.9710	0.2	4063.61	99.92366
K 766.491	10104.8	ppb	36.6141	0.4	1371678	101.04843
Mg 279.078	5050.20	ppb	16.4222	0.3	6097.85	101.00405
Mn 257.610	5322.02	ppb	15.4266	0.3	541784	106.44050
Mo 202.032	503.607	ppb	0.9013	0.2	1811.91	100.72146
Na 330.237	7532.97	ppb	130.461	1.7	538.269	100.43966
Ni 231.604	2615.45	ppb	9.5327	0.4	7977.03	104.61782
Pb 220.353	502.288	ppb	6.0557	1.2	387.553	100.45750
Sb 206.834	909.946	ppb	4.4267	0.5	654.879	36.39784Q
Se 196.026	4984.14	ppb	6.9463	0.1	1361.96	99.68283
Sn 189.925	4920.39	ppb	6.3096	0.1	3151.44	98.40782
Sr 216.596	2534.46	ppb	10.8108	0.4	15742.2	101.37823
Ti 334.941	501.169	ppb	1.2838	0.3	114879	100.23384
Tl 190.794	4990.29	ppb	8.6484	0.2	2438.74	99.80585
V 292.401	5014.75	ppb	17.4146	0.3	151741	100.29498
Zn 206.200	2595.92	ppb	6.8485	0.3	8250.62	103.83666

Cont Calib Blank (CCB) **4/10/2013, 5:09:48 PM** **Rack 1, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0713	ppb	0.6331	887.8	-25.8724	0.07131
Al 308.215	1.2058	ppb	3.3533	278.1	44.0032	1.20581
As 188.980	-2.5524	ppb	10.3439	405.3	-0.4490	-2.55236
B 249.678	1.4307	ppb	0.8647	60.4	56.3581	1.43069
Ba 389.178	-0.2200	ppb	0.4290	195.1	-18.7198	-0.21995
Be 313.042	0.0107	ppb	0.0069	64.2	-40.6452	0.01072
Ca 370.602	-3.362	ppb	0.4406	13.1	-73.43	-3.36171
Cd 226.502	-0.0259	ppb	0.0874	337.0	13.2151	-0.02592
Co 228.615	0.2301	ppb	0.4992	216.9	-8.4487	0.23009
Cr 267.716	0.3116	ppb	0.4709	151.1	12.3939	0.31161
Cu 324.754	0.2373	ppb	0.3619	152.5	109.450	0.23729
Fe 271.441	-0.6210	ppb	3.8022	612.3	-5.2324	-0.62102
K 766.491	1.4409	ppb	0.2076	14.4	2286.04	1.44089

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-9.1848	ppb	2.5061	27.3	19.2865	-9.18477
Mn 257.610	-0.0850	ppb	0.0843	99.1	46.0630	-0.08503
Mo 202.032	0.1876	ppb	0.5831	310.8	2.4605	0.18760
Na 330.237	43.8052	ppb	98.1058	224.0	7.4561	43.80518
Ni 231.604	0.1325	ppb	0.2886	217.8	2.1507	0.13253
Pb 220.353	0.8071	ppb	1.9749	244.7	1.6189	0.80711
Sb 206.834	-2.7156	ppb	0.6342	23.4	2.5678	-2.71564
Se 196.026	5.0674	ppb	6.2058	122.5	5.4531	5.06739
Sn 189.925	-0.1307	ppb	2.5697	1966.0	-1.0754	-0.13071
Sr 216.596	-0.4414	ppb	0.3829	86.7	-9.4778	-0.44143
Ti 334.941	-0.6404	ppb	0.0180	2.8	-43.0011	-0.64036
Tl 190.794	0.1138	ppb	4.7934	4212.4	-0.3721	0.11379
V 292.401	0.4174	ppb	0.2759	66.1	22.0073	0.41744
Zn 206.200	0.3239	ppb	0.7298	225.3	2.4166	0.32391

680-89004-b-14-a (Samp) **4/10/2013, 5:15:13 PM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0677	ppb	0.2491	23.3	-58.3294
Al 308.215	154157	ppb	116.682	0.1	464915
As 188.980	19.3235	ppb	12.1928	63.1	6.8098
B 249.678	32.3256	ppb	0.5776	1.8	-89.6432
Ba 389.178	478.938	ppb	1.2593	0.3	8425.87
Be 313.042	2.7443	ppb	0.0145	0.5	4702.72
Ca 370.602	46039	ppb	74.93	0.2	153072
Cd 226.502	-0.9536	ppb	0.2777	29.1	380.640
Co 228.615	164.615	ppb	0.6695	0.4	1400.38
Cr 267.716	190.247	ppb	0.8001	0.4	3189.78
Cu 324.754	104.200	ppb	0.5486	0.5	4072.77
Fe 271.441	175640	ppb	385.769	0.2	140695
K 766.491	10515.3	ppb	4.2184	0.0	1428694
Mg 279.078	9705.82	ppb	9.8284	0.1	11079.5
Mn 257.610	8911.57	ppb	15.3274	0.2	907365
Mo 202.032	5.4888	ppb	0.4760	8.7	-0.6606
Na 330.237	835.853	ppb	151.849	18.2	-30.3660
Ni 231.604	63.9129	ppb	3.0037	4.7	207.964
Pb 220.353	149.682	ppb	0.4747	0.3	102.821
Sb 206.834	3.9209	ppb	4.2890	109.4	12.6968
Se 196.026	15.4297	ppb	5.0128	32.5	8.0405
Sn 189.925	30.6191	ppb	3.0521	10.0	18.6277
Sr 216.596	90.4040	ppb	1.0908	1.2	646.450
Ti 334.941	582.427	ppb	1.4963	0.3	133161
Tl 190.794	1.2988	ppb	7.7889	599.7	-10.3307
V 292.401	271.398	ppb	0.5867	0.2	8256.43
Zn 206.200	224.506	ppb	1.4139	0.6	720.574

680-89004-b-15-a (Samp) **4/10/2013, 5:20:39 PM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6259	ppb	0.7797	124.6	-57.9024
Al 308.215	177610	ppb	167.787	0.1	535646

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-2.3061	ppb	3.9164	169.8	-0.6906
B 249.678	65.5979	ppb	0.9716	1.5	350.201
Ba 389.178	394.796	ppb	1.3667	0.3	6926.81
Be 313.042	2.4292	ppb	0.0078	0.3	4151.04
Ca 370.602	15842	ppb	4.646	0.0	40170
Cd 226.502	-0.8547	ppb	0.1691	19.8	273.897
Co 228.615	124.554	ppb	0.5540	0.4	1058.28
Cr 267.716	182.663	ppb	0.3904	0.2	3082.29
Cu 324.754	75.7246	ppb	0.8724	1.2	3036.01
Fe 271.441	124402	ppb	58.4226	0.0	99651.2
K 766.491	26350.4	ppb	29.0489	0.1	3577292
Mg 279.078	12290.4	ppb	14.5435	0.1	14398.7
Mn 257.610	3657.85	ppb	0.6033	0.0	372558
Mo 202.032	1.1073	ppb	0.8608	77.7	-9.1593
Na 330.237	1077.82	ppb	75.6289	7.0	13.4430
Ni 231.604	76.3309	ppb	0.5773	0.8	242.722
Pb 220.353	137.608	ppb	8.5799	6.2	91.4477
Sb 206.834	-0.5345	ppb	3.7637	704.1	8.0949
Se 196.026	13.7079	ppb	6.9794	50.9	7.3456
Sn 189.925	25.8283	ppb	2.7493	10.6	15.6527
Sr 216.596	67.5618	ppb	0.5715	0.8	477.289
Ti 334.941	526.765	ppb	0.1149	0.0	120415
Tl 190.794	-3.3186	ppb	8.7675	264.2	-9.9417
V 292.401	237.701	ppb	0.2611	0.1	7234.64
Zn 206.200	162.563	ppb	0.0504	0.0	522.080

680-89004-b-16-a (Samp) **4/10/2013, 5:26:05 PM** **Rack 1, Tube 29**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2594	ppb	0.7814	301.3	-89.5038
Al 308.215	166846	ppb	236.513	0.1	503170
As 188.980	29.4599	ppb	7.5823	25.7	11.0093
B 249.678	104.069	ppb	0.5256	0.5	353.903
Ba 389.178	248.712	ppb	0.8301	0.3	4588.65
Be 313.042	3.2201	ppb	0.0223	0.7	5493.02
Ca 370.602	7061	ppb	18.33	0.3	-23430
Cd 226.502	-2.6367	ppb	0.2853	10.8	538.442
Co 228.615	35.1054	ppb	0.9762	2.8	302.923
Cr 267.716	312.092	ppb	0.5685	0.2	5222.70
Cu 324.754	130.901	ppb	0.2814	0.2	5262.06
Fe 271.441	266493	ppb	566.958	0.2	213463
K 766.491	32295.4	ppb	41.8793	0.1	4383960
Mg 279.078	9956.90	ppb	45.1278	0.5	11062.3
Mn 257.610	351.586	ppb	0.9787	0.3	36194.9
Mo 202.032	1.6017	ppb	0.2736	17.1	-26.8759
Na 330.237	1580.14	ppb	183.301	11.6	-24.8788
Ni 231.604	64.5489	ppb	1.8016	2.8	215.737
Pb 220.353	37.6829	ppb	5.6652	15.0	13.8204
Sb 206.834	-7.9855	ppb	8.9210	111.7	7.7056
Se 196.026	20.0801	ppb	8.9953	44.8	6.2570
Sn 189.925	30.9656	ppb	0.9453	3.1	19.0452
Sr 216.596	37.9532	ppb	0.6150	1.6	360.811
Ti 334.941	682.172	ppb	2.3311	0.3	155900

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-0.5900	ppb	8.8969	1508.0	-15.9878
V 292.401	284.020	ppb	0.4165	0.1	8671.74
Zn 206.200	121.985	ppb	0.2656	0.2	395.803

680-89004-b-17-a (Samp) **4/10/2013, 5:32:57 PM** **Rack 1, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1465	ppb	0.4350	297.0	-88.5304
Al 308.215	193101	ppb	428.375	0.2	582343
As 188.980	17.9409	ppb	9.0330	50.3	6.7654
B 249.678	92.5220	ppb	0.5431	0.6	161.923
Ba 389.178	355.247	ppb	1.1351	0.3	6455.79
Be 313.042	4.5493	ppb	0.0167	0.4	7710.02
Ca 370.602	2925	ppb	33.10	1.1	-46863
Cd 226.502	-2.6101	ppb	0.2351	9.0	613.707
Co 228.615	86.6778	ppb	0.6892	0.8	739.943
Cr 267.716	269.643	ppb	0.9796	0.4	4473.51
Cu 324.754	145.841	ppb	0.4305	0.3	5869.26
Fe 271.441	300288	ppb	502.866	0.2	240536
K 766.491	31099.6	ppb	43.0499	0.1	4221686
Mg 279.078	10119.9	ppb	26.3691	0.3	11132.5
Mn 257.610	1035.33	ppb	1.1123	0.1	105830
Mo 202.032	3.4336	ppb	0.4237	12.3	-24.5116
Na 330.237	1163.66	ppb	54.7319	4.7	-70.8254
Ni 231.604	100.939	ppb	1.9634	1.9	328.771
Pb 220.353	90.0048	ppb	9.6716	10.7	52.1593
Sb 206.834	-6.8182	ppb	7.8544	115.2	9.1363
Se 196.026	15.0412	ppb	16.0646	106.8	4.5829
Sn 189.925	28.8917	ppb	3.5890	12.4	17.7078
Sr 216.596	31.1156	ppb	1.1396	3.7	333.297
Ti 334.941	560.821	ppb	1.2177	0.2	128188
Tl 190.794	-2.7900	ppb	5.2989	189.9	-19.0979
V 292.401	292.696	ppb	0.4935	0.2	8941.85
Zn 206.200	163.258	ppb	1.0903	0.7	528.310

680-89004-b-17-aSD^5 (Samp) **4/10/2013, 5:38:23 PM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2530	ppb	0.1236	48.9	-47.4479
Al 308.215	37770.5	ppb	289.075	0.8	113938
As 188.980	0.7030	ppb	3.4439	489.9	0.6804
B 249.678	19.1837	ppb	0.8858	4.6	73.7074
Ba 389.178	69.7831	ppb	0.1992	0.3	1257.26
Be 313.042	0.8928	ppb	0.0107	1.2	1466.63
Ca 370.602	751.1	ppb	13.44	1.8	-8699
Cd 226.502	-0.6983	ppb	0.2636	37.7	129.178
Co 228.615	17.6212	ppb	0.7799	4.4	142.089
Cr 267.716	53.0435	ppb	0.1231	0.2	885.234
Cu 324.754	27.9230	ppb	0.6311	2.3	1205.32
Fe 271.441	59825.1	ppb	463.588	0.8	47917.2
K 766.491	6072.14	ppb	42.3802	0.7	825957

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	2046.27	ppb	16.7967	0.8	2278.59
Mn 257.610	206.459	ppb	1.7578	0.9	21147.7
Mo 202.032	0.0183	ppb	0.9911	5412.8	-5.8704
Na 330.237	131.016	ppb	75.0548	57.3	-17.8011
Ni 231.604	20.4977	ppb	0.5938	2.9	68.0791
Pb 220.353	17.3450	ppb	5.4469	31.4	10.7882
Sb 206.834	-1.6606	ppb	3.1350	188.8	5.1331
Se 196.026	-1.6694	ppb	6.2662	375.4	2.9034
Sn 189.925	6.0091	ppb	4.0464	67.3	2.8951
Sr 216.596	6.1144	ppb	0.3318	5.4	60.4929
Ti 334.941	110.896	ppb	0.9168	0.8	25430.8
Tl 190.794	-3.8733	ppb	3.5276	91.1	-5.7585
V 292.401	58.3151	ppb	0.6457	1.1	1789.25
Zn 206.200	32.7662	ppb	0.2309	0.7	107.135

680-89004-b-17-aPDS (Samp) **4/10/2013, 5:43:50 PM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0958	ppb	0.1965	0.4	1539.14
Al 308.215	192235	ppb	158.109	0.1	579771
As 188.980	2137.40	ppb	10.5224	0.5	788.074
B 249.678	1081.05	ppb	3.6001	0.3	9460.51
Ba 389.178	2454.08	ppb	1.4690	0.1	42445.2
Be 313.042	57.4176	ppb	0.0334	0.1	95932.1
Ca 370.602	7907	ppb	9.999	0.1	-25501
Cd 226.502	49.3482	ppb	0.7581	1.5	1797.15
Co 228.615	604.514	ppb	4.9152	0.8	5147.16
Cr 267.716	471.134	ppb	1.0506	0.2	7941.38
Cu 324.754	416.451	ppb	2.9103	0.7	16308.7
Fe 271.441	295375	ppb	114.655	0.0	236632
K 766.491	35900.6	ppb	42.7569	0.1	4872497
Mg 279.078	15058.3	ppb	22.3025	0.1	17110.8
Mn 257.610	1559.71	ppb	0.3967	0.0	159223
Mo 202.032	529.680	ppb	1.5264	0.3	1877.49
Na 330.237	6488.21	ppb	126.126	1.9	303.480
Ni 231.604	620.162	ppb	2.5369	0.4	1912.04
Pb 220.353	599.239	ppb	7.9931	1.3	448.709
Sb 206.834	483.342	ppb	8.2329	1.7	336.860
Se 196.026	2099.79	ppb	6.7596	0.3	572.355
Sn 189.925	1027.79	ppb	4.5916	0.4	657.904
Sr 216.596	548.293	ppb	0.4745	0.1	3537.92
Ti 334.941	1569.57	ppb	0.9998	0.1	358523
Tl 190.794	2012.56	ppb	5.9410	0.3	965.385
V 292.401	805.414	ppb	0.9230	0.1	24366.8
Zn 206.200	677.692	ppb	1.8456	0.3	2166.34

680-89004-b-17-b ms (Samp) **4/10/2013, 5:49:17 PM** **Rack 1, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.9117	ppb	0.4794	5.4	205.220
Al 308.215	203240	ppb	1282.91	0.6	612925

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	113.677	ppb	7.5968	6.7	42.0168
B 249.678	214.173	ppb	1.1700	0.5	1289.63
Ba 389.178	463.335	ppb	3.2663	0.7	8325.74
Be 313.042	56.6135	ppb	0.3287	0.6	94367.1
Ca 370.602	7726	ppb	45.91	0.6	-28451
Cd 226.502	48.0615	ppb	0.4881	1.0	1791.46
Co 228.615	141.851	ppb	0.4594	0.3	1209.35
Cr 267.716	411.051	ppb	2.5030	0.6	6903.53
Cu 324.754	254.937	ppb	3.2146	1.3	10076.3
Fe 271.441	306232	ppb	2188.44	0.7	245301
K 766.491	34869.6	ppb	183.324	0.5	4733178
Mg 279.078	14778.1	ppb	95.2795	0.6	16732.7
Mn 257.610	1564.31	ppb	10.4334	0.7	159693
Mo 202.032	102.221	ppb	0.5497	0.5	331.773
Na 330.237	6398.20	ppb	192.076	3.0	297.563
Ni 231.604	197.112	ppb	0.4661	0.2	622.437
Pb 220.353	142.699	ppb	7.8343	5.5	92.0472
Sb 206.834	27.7368	ppb	14.0142	50.5	33.4373
Se 196.026	113.522	ppb	15.1628	13.4	31.4831
Sn 189.925	216.336	ppb	2.9651	1.4	137.818
Sr 216.596	131.787	ppb	0.6764	0.5	960.938
Ti 334.941	705.336	ppb	4.4961	0.6	161199
Tl 190.794	31.1030	ppb	7.0978	22.8	-2.8548
V 292.401	382.640	ppb	2.7960	0.7	11639.3
Zn 206.200	256.472	ppb	0.8041	0.3	825.000

680-89004-b-17-c msd (Samp) **4/10/2013, 5:54:45 PM** **Rack 1, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.7641	ppb	0.2537	2.9	227.900
Al 308.215	193762	ppb	1392.28	0.7	584359
As 188.980	107.803	ppb	7.9526	7.4	39.9786
B 249.678	181.324	ppb	1.9107	1.1	1365.61
Ba 389.178	445.509	ppb	2.2236	0.5	7836.82
Be 313.042	55.6120	ppb	0.3909	0.7	92681.0
Ca 370.602	10145	ppb	21.15	0.2	11488
Cd 226.502	50.3986	ppb	0.4967	1.0	1512.57
Co 228.615	96.5864	ppb	0.4769	0.5	818.986
Cr 267.716	321.449	ppb	2.9293	0.9	5449.90
Cu 324.754	215.345	ppb	1.3513	0.6	8465.47
Fe 271.441	152156	ppb	990.713	0.7	121882
K 766.491	32194.7	ppb	166.490	0.5	4370245
Mg 279.078	15520.4	ppb	102.265	0.7	18200.0
Mn 257.610	867.933	ppb	5.7007	0.7	88626.8
Mo 202.032	103.274	ppb	1.7424	1.7	356.404
Na 330.237	6210.39	ppb	238.280	3.8	364.687
Ni 231.604	180.172	ppb	2.7096	1.5	561.152
Pb 220.353	123.813	ppb	5.1662	4.2	78.8541
Sb 206.834	31.5519	ppb	4.2589	13.5	31.4361
Se 196.026	87.1728	ppb	8.3858	9.6	26.4595
Sn 189.925	212.636	ppb	1.9805	0.9	135.356
Sr 216.596	140.849	ppb	1.8178	1.3	943.475
Ti 334.941	501.930	ppb	3.2603	0.6	114749

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	34.7615	ppb	8.9582	25.8	6.9785
V 292.401	349.505	ppb	2.4532	0.7	10605.4
Zn 206.200	257.993	ppb	1.7200	0.7	826.346

680-89004-b-18-a (Samp) **4/10/2013, 6:00:12 PM** **Rack 1, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0280	ppb	0.5348	1911.5	-94.7568
Al 308.215	171319	ppb	195.806	0.1	516650
As 188.980	22.9690	ppb	5.1335	22.3	8.5637
B 249.678	92.7448	ppb	0.6386	0.7	-0.2132
Ba 389.178	324.906	ppb	0.3009	0.1	6012.48
Be 313.042	5.1726	ppb	0.0195	0.4	8751.44
Ca 370.602	2346	ppb	19.74	0.8	-62062
Cd 226.502	-3.3446	ppb	0.2513	7.5	737.187
Co 228.615	101.281	ppb	1.0147	1.0	866.103
Cr 267.716	328.315	ppb	1.5179	0.5	5445.88
Cu 324.754	165.177	ppb	1.4803	0.9	6649.85
Fe 271.441	366140	ppb	363.841	0.1	293285
K 766.491	28637.1	ppb	17.6023	0.1	3887566
Mg 279.078	8993.52	ppb	7.3829	0.1	9528.34
Mn 257.610	1710.78	ppb	2.7422	0.2	174657
Mo 202.032	4.3305	ppb	1.7805	41.1	-30.4998
Na 330.237	1104.10	ppb	21.4666	1.9	-109.236
Ni 231.604	103.589	ppb	5.0981	4.9	340.930
Pb 220.353	100.678	ppb	7.4793	7.4	62.1559
Sb 206.834	-0.8217	ppb	3.2014	389.6	15.3760
Se 196.026	23.4779	ppb	12.2520	52.2	5.9456
Sn 189.925	33.6388	ppb	4.2813	12.7	20.7801
Sr 216.596	27.5067	ppb	0.6112	2.2	342.108
Ti 334.941	624.724	ppb	1.0484	0.2	142783
Tl 190.794	-5.5750	ppb	12.0893	216.8	-23.6469
V 292.401	303.657	ppb	0.9727	0.3	9284.20
Zn 206.200	167.893	ppb	0.8817	0.5	544.464

Cont Calib Verif (CCV) **4/10/2013, 6:05:39 PM** **Rack 1, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.687	ppb	2.1710	0.4	16155.7	99.93745
Al 308.215	5126.45	ppb	8.7541	0.2	15775.5	102.52892
As 188.980	483.588	ppb	9.7622	2.0	179.553	96.71761
B 249.678	511.394	ppb	0.7792	0.2	4837.61	20.45574Q
Ba 389.178	5140.78	ppb	12.9345	0.3	88160.2	102.81564
Be 313.042	517.291	ppb	0.9023	0.2	863631	103.45823
Ca 370.602	5045	ppb	13.01	0.3	19759	100.90821
Cd 226.502	508.933	ppb	1.8792	0.4	11720.9	101.78651
Co 228.615	510.460	ppb	2.6847	0.5	4330.48	102.09206
Cr 267.716	5153.00	ppb	13.0800	0.3	88641.9	103.05994
Cu 324.754	5207.19	ppb	38.9726	0.7	201382	104.14384
Fe 271.441	5000.58	ppb	1.6215	0.0	4066.95	100.01158
K 766.491	10138.3	ppb	26.4379	0.3	1376226	101.38335

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	5031.96	ppb	9.9468	0.2	6075.85	100.63917
Mn 257.610	5310.84	ppb	10.9683	0.2	540645	106.21673
Mo 202.032	501.704	ppb	1.8479	0.4	1805.04	100.34074
Na 330.237	7455.31	ppb	80.5109	1.1	532.721	99.40414
Ni 231.604	2607.51	ppb	8.3954	0.3	7952.83	104.30025
Pb 220.353	496.830	ppb	4.9982	1.0	383.306	99.36606
Sb 206.834	920.765	ppb	7.5655	0.8	662.114	36.83061Q
Se 196.026	4997.12	ppb	20.1103	0.4	1365.49	99.94241
Sn 189.925	4905.28	ppb	3.6155	0.1	3141.76	98.10555
Sr 216.596	2525.64	ppb	7.9148	0.3	15687.4	101.02550
Ti 334.941	500.820	ppb	1.1450	0.2	114799	100.16399
Tl 190.794	4976.82	ppb	29.3408	0.6	2432.16	99.53632
V 292.401	5007.52	ppb	10.2560	0.2	151522	100.15048
Zn 206.200	2581.31	ppb	4.7220	0.2	8204.12	103.25222

Cont Calib Blank (CCB) **4/10/2013, 6:11:05 PM** **Rack 1, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0548	ppb	0.1302	237.5	-29.9633	-0.05483
Al 308.215	0.5755	ppb	2.1609	375.5	42.0725	0.57549
As 188.980	-7.4148	ppb	4.7719	64.4	-2.2418	-7.41477
B 249.678	1.0089	ppb	0.9140	90.6	52.3933	1.00894
Ba 389.178	0.6234	ppb	0.5673	91.0	-4.2498	0.62340
Be 313.042	0.0278	ppb	0.0238	85.8	-12.1986	0.02778
Ca 370.602	-0.9969	ppb	1.734	174.0	-65.38	-0.99690
Cd 226.502	0.0985	ppb	0.1022	103.7	16.0925	0.09851
Co 228.615	0.4196	ppb	0.3957	94.3	-6.8195	0.41960
Cr 267.716	0.4903	ppb	0.6171	125.8	15.4637	0.49034
Cu 324.754	0.5435	ppb	0.5129	94.4	121.285	0.54348
Fe 271.441	7.0740	ppb	8.4923	120.1	0.9389	7.07399
K 766.491	1.8369	ppb	1.1778	64.1	2339.64	1.83695
Mg 279.078	-8.2625	ppb	2.8894	35.0	20.3698	-8.26250
Mn 257.610	0.0098	ppb	0.1228	1250.3	55.7383	0.00982
Mo 202.032	0.1674	ppb	0.4932	294.7	2.3864	0.16738
Na 330.237	-135.404	ppb	80.1771	59.2	-5.2941	-135.40445
Ni 231.604	0.5822	ppb	0.9915	170.3	3.5226	0.58220
Pb 220.353	1.8008	ppb	2.1548	119.7	2.3954	1.80079
Sb 206.834	1.5516	ppb	5.0931	328.3	5.4522	1.55156
Se 196.026	1.6355	ppb	12.8421	785.2	4.5187	1.63554
Sn 189.925	0.2720	ppb	0.8417	309.5	-0.8174	0.27198
Sr 216.596	0.0393	ppb	0.4673	1188.1	-6.4612	0.03933
Ti 334.941	-0.6413	ppb	0.0348	5.4	-43.1839	-0.64127
Tl 190.794	1.7382	ppb	4.8439	278.7	0.4209	1.73822
V 292.401	0.3584	ppb	0.1772	49.4	20.4689	0.35840
Zn 206.200	1.0134	ppb	0.9761	96.3	4.6123	1.01335

680-89004-b-3-a^5 (Samp) **4/10/2013, 6:16:30 PM** **Rack 1, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5996	ppb	0.2806	46.8	-22.3619
Al 308.215	51909.1	ppb	885.419	1.7	156575

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	7.6444	ppb	10.3138	134.9	3.2035
B 249.678	16.7878	ppb	0.4656	2.8	37.8454
Ba 389.178	336.510	ppb	5.3607	1.6	5839.97
Be 313.042	1.6367	ppb	0.0210	1.3	2713.43
Ca 370.602	2700	ppb	17.62	0.7	-1635
Cd 226.502	-0.9314	ppb	0.2605	28.0	137.230
Co 228.615	68.1383	ppb	1.4374	2.1	573.745
Cr 267.716	54.7168	ppb	1.0832	2.0	921.662
Cu 324.754	31.6770	ppb	0.3555	1.1	1346.35
Fe 271.441	65576.9	ppb	990.451	1.5	52527.2
K 766.491	6065.47	ppb	82.8826	1.4	824976
Mg 279.078	3750.54	ppb	60.0321	1.6	4299.18
Mn 257.610	8510.46	ppb	110.883	1.3	866386
Mo 202.032	1.1364	ppb	0.9826	86.5	-2.4555
Na 330.237	167.020	ppb	74.1119	44.4	-19.3070
Ni 231.604	33.4087	ppb	0.6994	2.1	107.836
Pb 220.353	56.0554	ppb	2.7231	4.9	39.6758
Sb 206.834	-0.7016	ppb	1.4079	200.7	5.7303
Se 196.026	-1.2642	ppb	12.2403	968.2	4.5604
Sn 189.925	3.8487	ppb	3.2477	84.4	1.5415
Sr 216.596	27.9335	ppb	1.3013	4.7	199.658
Ti 334.941	255.569	ppb	3.9599	1.5	58465.5
Tl 190.794	-0.0664	ppb	8.6447	13016.9	-4.1811
V 292.401	74.3830	ppb	1.1074	1.5	2261.23
Zn 206.200	50.6042	ppb	1.0846	2.1	164.150

680-89004-b-8-a^5 (Samp) **4/10/2013, 6:21:56 PM** **Rack 1, Tube 40**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6742	ppb	0.3513	52.1	-57.5365
Al 308.215	19920.2	ppb	75.8611	0.4	60108.3
As 188.980	11.6692	ppb	8.0072	68.6	2.3330
B 249.678	27.7380	ppb	0.4182	1.5	171.920
Ba 389.178	104.314	ppb	1.0070	1.0	2021.73
Be 313.042	1.3785	ppb	0.0078	0.6	2307.23
Ca 370.602	173269	ppb	408.4	0.2	694124
Cd 226.502	11.0504	ppb	0.1437	1.3	383.433
Co 228.615	23.5022	ppb	0.6320	2.7	192.866
Cr 267.716	49.0495	ppb	0.1529	0.3	821.680
Cu 324.754	147.148	ppb	0.5869	0.4	5317.60
Fe 271.441	52708.9	ppb	146.753	0.3	42217.2
K 766.491	6807.37	ppb	22.9284	0.3	925703
Mg 279.078	97207.5	ppb	195.239	0.2	117170
Mn 257.610	924.205	ppb	1.9855	0.2	94446.5
Mo 202.032	1.8347	ppb	1.6164	88.1	1.4597
Na 330.237	447.875	ppb	35.3104	7.9	11.2036
Ni 231.604	37.3325	ppb	0.7771	2.1	122.669
Pb 220.353	127.120	ppb	9.7919	7.7	98.1169
Sb 206.834	-3.9901	ppb	5.3669	134.5	4.9165
Se 196.026	5.2880	ppb	4.9431	93.5	6.0714
Sn 189.925	10.7938	ppb	4.5084	41.8	5.3008
Sr 216.596	81.0231	ppb	1.0176	1.3	532.366
Ti 334.941	172.868	ppb	0.6309	0.4	39782.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-8.6581	ppb	9.3171	107.6	-9.1996
V 292.401	37.3513	ppb	0.1640	0.4	1151.92
Zn 206.200	1886.54	ppb	4.6323	0.2	6015.68

640-43026-b-1-a^5 (Samp) **4/10/2013, 6:27:22 PM** **Rack 1, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0273b	ppb	0.4151	40.4	-48.5706
Al 308.215	9407.42b	ppb	138.090	1.5	28383.1
As 188.980	-12.9302b	ppb	16.6006	128.4	-4.8107
B 249.678	225.539b	ppb	3.2210	1.4	1503.47
Ba 389.178	452.287b	ppb	5.6425	1.2	8063.39
Be 313.042	0.3971b	ppb	0.0111	2.8	614.144
Ca 370.602	26755b	ppb	234.5	0.9	57533
Cd 226.502	-0.1213b	ppb	0.2587	213.4	577.266
Co 228.615	17.4432b	ppb	0.7815	4.5	160.808
Cr 267.716	1029.25b	ppb	18.2956	1.8	17569.1
Cu 324.754	2030.90b	ppb	28.1064	1.4	78682.5
Fe 271.441	262382b	ppb	4303.99	1.6	210166
K 766.491	46740.2xb	ppb	651.613	1.4	6343832
Mg 279.078	3966.75b	ppb	49.6132	1.3	3844.44
Mn 257.610	1626.66b	ppb	25.9295	1.6	165965
Mo 202.032	55.8359b	ppb	1.8871	3.4	168.108
Na 330.237	25663.8b	ppb	354.422	1.4	1688.15
Ni 231.604	544.035b	ppb	6.9934	1.3	1676.73
Pb 220.353	192.092b	ppb	4.8610	2.5	148.124
Sb 206.834	1.9046b	ppb	6.2430	327.8	20.5092
Se 196.026	16.4125b	ppb	6.2924	38.3	5.0645
Sn 189.925	151.922b	ppb	3.8609	2.5	96.6114
Sr 216.596	60.7918b	ppb	0.6110	1.0	478.908
Ti 334.941	1249.22b	ppb	19.8216	1.6	285422
Tl 190.794	-2.3205b	ppb	5.1416	221.6	-15.0826
V 292.401	26.6464b	ppb	0.4922	1.8	803.009
Zn 206.200	1396.41b	ppb	21.9430	1.6	4452.44

640-43026-b-2-a^5 (Samp) **4/10/2013, 6:32:48 PM** **Rack 1, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8623b	ppb	1.4606	169.4	-72.4740
Al 308.215	9745.17b	ppb	449.085	4.6	29387.9
As 188.980	-23.6720b	ppb	8.5467	36.1	-8.9909
B 249.678	132.286b	ppb	1.8635	1.4	339.397
Ba 389.178	336.446b	ppb	15.6046	4.6	6215.07
Be 313.042	0.2538b	ppb	0.0176	6.9	379.284
Ca 370.602	33512b	ppb	651.7	1.9	62425
Cd 226.502	-2.3325b	ppb	1.4321	61.4	775.224
Co 228.615	16.5775b	ppb	0.5927	3.6	152.419
Cr 267.716	989.987b	ppb	44.9306	4.5	16827.8
Cu 324.754	4045.59b	ppb	215.105	5.3	156630
Fe 271.441	377790b	ppb	17085.9	4.5	302609
K 766.491	40025.6xb	ppb	1497.77	3.7	5432795

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	3701.45b	ppb	112.474	3.0	3095.49
Mn 257.610	2587.02b	ppb	113.584	4.4	263851
Mo 202.032	47.7371b	ppb	2.5330	5.3	123.185
Na 330.237	11034.4b	ppb	538.158	4.9	591.776
Ni 231.604	450.119b	ppb	20.9413	4.7	1397.74
Pb 220.353	246.170b	ppb	8.0749	3.3	189.898
Sb 206.834	8.9314b	ppb	1.1972	13.4	28.3755
Se 196.026	21.1411b	ppb	9.5486	45.2	4.8296
Sn 189.925	137.973b	ppb	4.0402	2.9	87.6136
Sr 216.596	62.0709b	ppb	4.9617	8.0	545.198
Ti 334.941	1043.36b	ppb	46.9493	4.5	238427
Tl 190.794	4.1561b	ppb	12.1773	293.0	-18.2919
V 292.401	26.2603b	ppb	1.1982	4.6	817.128
Zn 206.200	2367.34b	ppb	106.060	4.5	7548.51

640-43026-b-3-a^5 (Samp) **4/10/2013, 6:38:15 PM** **Rack 1, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.4460	ppb	0.5650	39.1	-25.3828
Al 308.215	1394.28	ppb	29.7095	2.1	4216.92
As 188.980	11.9766	ppb	5.2231	43.6	4.2351
B 249.678	25.5244	ppb	0.4929	1.9	-362.893
Ba 389.178	158.193	ppb	3.6516	2.3	3012.58
Be 313.042	0.0613	ppb	0.0071	11.5	53.5780
Ca 370.602	30894	ppb	315.9	1.0	75104
Cd 226.502	-1.8973	ppb	0.3334	17.6	526.431
Co 228.615	19.6447	ppb	0.5314	2.7	161.996
Cr 267.716	429.813	ppb	6.9560	1.6	7256.19
Cu 324.754	568.340	ppb	8.0240	1.4	22115.3
Fe 271.441	258023	ppb	4364.52	1.7	206675
K 766.491	3132.54	ppb	44.6867	1.4	427071
Mg 279.078	2791.45	ppb	18.0019	0.6	2441.92
Mn 257.610	1780.69	ppb	29.6144	1.7	181621
Mo 202.032	34.0273	ppb	1.1872	3.5	89.7916
Na 330.237	935.666	ppb	107.198	11.5	-60.4422
Ni 231.604	250.573	ppb	5.6313	2.2	781.890
Pb 220.353	166.280	ppb	8.2830	5.0	129.246
Sb 206.834	-2.3695	ppb	6.4820	273.6	13.8440
Se 196.026	0.9002	ppb	7.4400	826.5	0.9159
Sn 189.925	48.0134	ppb	7.0160	14.6	29.7189
Sr 216.596	33.3651	ppb	1.0790	3.2	318.064
Ti 334.941	85.4326	ppb	1.6132	1.9	19679.8
Tl 190.794	-1.8023	ppb	2.0046	111.2	-15.3356
V 292.401	12.1547	ppb	0.2580	2.1	395.099
Zn 206.200	834.144	ppb	11.7682	1.4	2663.53

640-43026-b-4-a^5 (Samp) **4/10/2013, 6:43:42 PM** **Rack 1, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.6461	ppb	0.7973	48.4	-30.5892
Al 308.215	6083.51	ppb	111.414	1.8	18354.0

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-11.7536	ppb	2.2271	18.9	-4.5788
B 249.678	115.024	ppb	0.3737	0.3	373.397
Ba 389.178	259.719	ppb	3.6062	1.4	4804.52
Be 313.042	0.1781	ppb	0.0011	0.6	252.574
Ca 370.602	35272	ppb	353.0	1.0	84841
Cd 226.502	-1.2037	ppb	0.4913	40.8	632.075
Co 228.615	16.5669	ppb	0.2591	1.6	144.355
Cr 267.716	673.651	ppb	12.9925	1.9	11428.4
Cu 324.754	1483.94	ppb	23.3619	1.6	57526.6
Fe 271.441	299571	ppb	5073.24	1.7	239955
K 766.491	25948.6	ppb	421.842	1.6	3522800
Mg 279.078	3389.10	ppb	42.4263	1.3	3009.81
Mn 257.610	1778.28	ppb	29.3504	1.7	181433
Mo 202.032	40.7236	ppb	2.5240	6.2	108.418
Na 330.237	8979.20	ppb	97.8641	1.1	487.389
Ni 231.604	317.449	ppb	6.0092	1.9	988.377
Pb 220.353	283.484	ppb	8.3827	3.0	219.915
Sb 206.834	9.0813	ppb	5.9648	65.7	24.0223
Se 196.026	4.9288	ppb	11.9259	242.0	1.4247
Sn 189.925	151.387	ppb	7.0449	4.7	96.0728
Sr 216.596	50.8313	ppb	3.3692	6.6	444.310
Ti 334.941	605.100	ppb	10.5510	1.7	138349
Tl 190.794	-6.5327	ppb	4.2287	64.7	-19.5969
V 292.401	21.1258	ppb	0.3171	1.5	664.219
Zn 206.200	1388.70	ppb	24.8582	1.8	4430.23

680-89038-b-30-a^5 (Samp) **4/10/2013, 6:49:09 PM** **Rack 1, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2951	ppb	0.3386	26.1	-53.8833
Al 308.215	30377.5	ppb	31.6683	0.1	91642.4
As 188.980	48.8355	ppb	9.3230	19.1	18.0034
B 249.678	28.7342	ppb	0.1899	0.7	-16.9268
Ba 389.178	1319.14	ppb	1.6510	0.1	22764.8
Be 313.042	5.0897	ppb	0.0068	0.1	8535.78
Ca 370.602	26392	ppb	38.74	0.1	81703
Cd 226.502	3.0690	ppb	0.2098	6.8	371.350
Co 228.615	59.0910	ppb	0.5750	1.0	500.812
Cr 267.716	140.456	ppb	0.3906	0.3	2359.06
Cu 324.754	260.833	ppb	2.6973	1.0	10168.2
Fe 271.441	132226	ppb	291.708	0.2	105914
K 766.491	2393.83	ppb	4.3504	0.2	326512
Mg 279.078	3160.83	ppb	8.6785	0.3	3338.95
Mn 257.610	9581.16	ppb	15.4128	0.2	975448
Mo 202.032	7.0541	ppb	1.5040	21.3	9.3882
Na 330.237	623.256	ppb	145.999	23.4	-19.5063
Ni 231.604	42.1099	ppb	0.0964	0.2	138.529
Pb 220.353	630.554	ppb	5.9068	0.9	489.626
Sb 206.834	7.0730	ppb	1.6790	23.7	13.3234
Se 196.026	-2.8943	ppb	5.8245	201.2	3.3204
Sn 189.925	60.6082	ppb	4.2715	7.0	37.8649
Sr 216.596	178.714	ppb	0.1990	0.1	1175.57
Ti 334.941	410.000	ppb	0.5625	0.1	93759.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-5.4078	ppb	5.1894	96.0	-10.1290
V 292.401	189.778	ppb	0.3774	0.2	5770.38
Zn 206.200	1544.42	ppb	4.9408	0.3	4924.19

680-88980-a-27-a^5 (Samp) **4/10/2013, 6:54:36 PM** **Rack 1, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7679	ppb	0.4447	57.9	20.3085
Al 308.215	16149.1	ppb	105.144	0.7	48736.6
As 188.980	25.4936	ppb	11.5506	45.3	8.1891
B 249.678	25.1831	ppb	0.5594	2.2	159.740
Ba 389.178	830.618	ppb	5.8748	0.7	14328.4
Be 313.042	1.6373	ppb	0.0063	0.4	2723.78
Ca 370.602	118850	ppb	662.1	0.6	474030
Cd 226.502	6.6686	ppb	0.1635	2.5	271.653
Co 228.615	18.8263	ppb	0.9047	4.8	155.286
Cr 267.716	53.4380	ppb	0.2833	0.5	908.779
Cu 324.754	331.629	ppb	2.7962	0.8	12601.2
Fe 271.441	47966.9	ppb	290.494	0.6	38418.6
K 766.491	1905.18	ppb	10.4373	0.5	260352
Mg 279.078	24166.9	ppb	156.187	0.6	29010.4
Mn 257.610	7576.79	ppb	35.0385	0.5	771385
Mo 202.032	5.0371	ppb	1.0431	20.7	13.6271
Na 330.237	570.747	ppb	229.666	40.2	21.4214
Ni 231.604	48.2109	ppb	0.9071	1.9	152.666
Pb 220.353	638.412	ppb	5.4829	0.9	497.459
Sb 206.834	-0.6398	ppb	2.5164	393.3	6.3258
Se 196.026	-6.6854	ppb	2.6748	40.0	3.5282
Sn 189.925	24.7698	ppb	2.9432	11.9	14.4987
Sr 216.596	210.128	ppb	2.1861	1.0	1334.85
Ti 334.941	298.751	ppb	1.9010	0.6	68457.5
Tl 190.794	-2.6114	ppb	2.4279	93.0	-5.3382
V 292.401	40.9416	ppb	0.1318	0.3	1244.80
Zn 206.200	1895.00	ppb	10.2692	0.5	6039.95

CCV (Samp) **4/10/2013, 7:00:04 PM** **Rack 1, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	500.893	ppb	2.9785	0.6	16194.9
Al 308.215	5143.41	ppb	3.6139	0.1	15827.6
As 188.980	487.980	ppb	3.8302	0.8	181.172
B 249.678	510.354	ppb	2.7812	0.5	4827.90
Ba 389.178	5147.51	ppb	3.4498	0.1	88275.7
Be 313.042	519.373	ppb	0.2988	0.1	867104
Ca 370.602	5056	ppb	5.666	0.1	19804
Cd 226.502	509.837	ppb	0.4820	0.1	11741.6
Co 228.615	510.572	ppb	0.9832	0.2	4331.44
Cr 267.716	5156.13	ppb	7.1836	0.1	88695.7
Cu 324.754	5179.70	ppb	66.2297	1.3	200318
Fe 271.441	4987.06	ppb	6.1516	0.1	4056.32
K 766.491	10173.8	ppb	5.8747	0.1	1381033

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	5060.61	ppb	2.4957	0.0	6110.43
Mn 257.610	5324.89	ppb	6.2639	0.1	542075
Mo 202.032	503.547	ppb	0.5966	0.1	1811.68
Na 330.237	7476.40	ppb	275.462	3.7	534.226
Ni 231.604	2613.33	ppb	5.0895	0.2	7970.58
Pb 220.353	503.697	ppb	1.5605	0.3	388.658
Sb 206.834	920.598	ppb	7.4571	0.8	662.015
Se 196.026	5001.17	ppb	14.6872	0.3	1366.60
Sn 189.925	4906.96	ppb	14.2071	0.3	3142.83
Sr 216.596	2529.99	ppb	1.3671	0.1	15714.4
Ti 334.941	501.873	ppb	0.2619	0.1	115040
Tl 190.794	4985.39	ppb	28.8186	0.6	2436.36
V 292.401	5024.32	ppb	5.9192	0.1	152032
Zn 206.200	2586.09	ppb	1.8161	0.1	8219.35

CCB (Samp) **4/10/2013, 7:05:33 PM** **Rack 1, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2440	ppb	0.1922	78.8	-36.0857
Al 308.215	-1.9804	ppb	2.8840	145.6	34.4065
As 188.980	-4.0910	ppb	6.6746	163.2	-1.0162
B 249.678	1.4623	ppb	0.4079	27.9	56.6641
Ba 389.178	0.1563	ppb	0.2379	152.2	-12.2655
Be 313.042	0.0484	ppb	0.0100	20.6	22.1861
Ca 370.602	-2.506	ppb	1.961	78.3	-69.84
Cd 226.502	0.0133	ppb	0.1608	1213.6	14.1145
Co 228.615	0.2442	ppb	0.1020	41.8	-8.3326
Cr 267.716	0.6652	ppb	0.1225	18.4	18.4776
Cu 324.754	0.7670	ppb	0.3309	43.1	129.936
Fe 271.441	-1.4008	ppb	10.2805	733.9	-5.8354
K 766.491	2.2691	ppb	0.2412	10.6	2398.37
Mg 279.078	-9.3001	ppb	4.4458	47.8	19.1483
Mn 257.610	0.3132	ppb	0.0682	21.8	86.6033
Mo 202.032	0.6995	ppb	0.6802	97.2	4.3108
Na 330.237	-41.3624	ppb	74.9334	181.2	1.3996
Ni 231.604	0.7187	ppb	0.3060	42.6	3.9347
Pb 220.353	-6.5241	ppb	1.7825	27.3	-4.1027
Sb 206.834	-0.0804	ppb	1.5694	1952.7	4.3470
Se 196.026	7.1352	ppb	4.8819	68.4	6.0161
Sn 189.925	1.4121	ppb	3.9769	281.6	-0.0870
Sr 216.596	-0.2547	ppb	0.2987	117.3	-8.3362
Ti 334.941	-0.6539	ppb	0.0630	9.6	-46.0408
Tl 190.794	-4.3315	ppb	2.8325	65.4	-2.5388
V 292.401	0.5526	ppb	0.1442	26.1	26.0256
Zn 206.200	1.0695	ppb	0.8258	77.2	4.7894

Cont Calib Verif (CCV) **4/10/2013, 7:11:00 PM** **Rack 2, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	495.178	ppb	2.4531	0.5	16009.7	99.03561
Al 308.215	5114.10	ppb	20.2349	0.4	15737.8	102.28194

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	488.410	ppb	14.1133	2.9	181.329	97.68198
B 249.678	510.207	ppb	3.3293	0.7	4826.55	20.40828Q
Ba 389.178	5128.17	ppb	25.0787	0.5	87943.9	102.56347
Be 313.042	517.165	ppb	2.1103	0.4	863416	103.43295
Ca 370.602	5028	ppb	21.49	0.4	19692	100.56331
Cd 226.502	508.705	ppb	2.1932	0.4	11715.6	101.74104
Co 228.615	510.255	ppb	3.7930	0.7	4328.76	102.05106
Cr 267.716	5145.67	ppb	26.1209	0.5	88516.0	102.91350
Cu 324.754	5194.96	ppb	32.8482	0.6	200909	103.89928
Fe 271.441	4981.96	ppb	33.9363	0.7	4051.96	99.63914
K 766.491	10124.0	ppb	47.4542	0.5	1374284	101.24000
Mg 279.078	5026.16	ppb	23.3092	0.5	6068.95	100.52322
Mn 257.610	5304.39	ppb	24.4672	0.5	539989	106.08779
Mo 202.032	501.323	ppb	1.4048	0.3	1803.68	100.26450
Na 330.237	7554.93	ppb	112.439	1.5	539.817	100.73246
Ni 231.604	2599.32	ppb	7.4910	0.3	7927.86	103.97269
Pb 220.353	502.539	ppb	6.6779	1.3	387.775	100.50782
Sb 206.834	918.261	ppb	7.2349	0.8	660.338	36.73044Q
Se 196.026	4987.65	ppb	38.7011	0.8	1362.91	99.75292
Sn 189.925	4892.62	ppb	23.1947	0.5	3133.65	97.85230
Sr 216.596	2515.51	ppb	13.3487	0.5	15624.3	100.62032
Ti 334.941	499.982	ppb	2.1167	0.4	114607	99.99642
Tl 190.794	4962.73	ppb	18.4091	0.4	2425.29	99.25459
V 292.401	4999.28	ppb	19.7772	0.4	151273	99.98552
Zn 206.200	2575.31	ppb	14.3901	0.6	8185.08	103.01253

Cont Calib Blank (CCB) **4/10/2013, 7:16:26 PM** **Rack 2, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0934	ppb	0.6748	722.2	-25.1573	0.09344
Al 308.215	-2.0040	ppb	5.8088	289.9	34.3364	-2.00398
As 188.980	-1.1968	ppb	1.4032	117.2	0.0507	-1.19679
B 249.678	1.4993	ppb	0.7916	52.8	57.0008	1.49927
Ba 389.178	0.0440	ppb	0.7629	1733.2	-14.1820	0.04402
Be 313.042	0.0423	ppb	0.0212	50.1	12.0771	0.04234
Ca 370.602	-5.961	ppb	0.8609	14.4	-84.30	-5.96105
Cd 226.502	0.0015	ppb	0.0967	6375.6	13.8495	0.00152
Co 228.615	0.2965	ppb	0.4510	152.1	-7.8848	0.29646
Cr 267.716	0.8508	ppb	0.2925	34.4	21.6700	0.85082
Cu 324.754	0.4215	ppb	0.2144	50.9	116.585	0.42153
Fe 271.441	0.3963	ppb	2.4074	607.5	-4.4079	0.39630
K 766.491	1.4963	ppb	0.8801	58.8	2293.54	1.49627
Mg 279.078	-4.2531	ppb	3.6816	86.6	25.2327	-4.25313
Mn 257.610	0.1749	ppb	0.1693	96.8	72.5316	0.17488
Mo 202.032	0.5062	ppb	0.4694	92.7	3.6117	0.50623
Na 330.237	-43.1837	ppb	152.547	353.3	1.2693	-43.18373
Ni 231.604	0.8475	ppb	0.2779	32.8	4.3296	0.84748
Pb 220.353	-0.0180	ppb	0.4594	2550.4	0.9743	-0.01801
Sb 206.834	1.5894	ppb	0.9836	61.9	5.4821	1.58940
Se 196.026	-4.5066	ppb	1.6333	36.2	2.8467	-4.50656
Sn 189.925	-0.5452	ppb	1.8314	335.9	-1.3409	-0.54519
Sr 216.596	0.1120	ppb	0.6190	552.4	-6.0419	0.11205
Ti 334.941	-0.6054	ppb	0.0699	11.6	34.9739	-0.60536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-0.5463	ppb	5.7986	1061.5	-0.6936	-0.54626
V 292.401	0.6228	ppb	0.2126	34.1	28.1833	0.62281
Zn 206.200	1.2545	ppb	0.4552	36.3	5.3791	1.25453

mb 680-271415/1-c (Samp) **4/10/2013, 7:21:52 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1885	ppb	0.2431	129.0	-34.2932
Al 308.215	-3.3725	ppb	2.5113	74.5	30.1583
As 188.980	-5.1557	ppb	5.8699	113.9	-1.4086
B 249.678	2.2675	ppb	0.9257	40.8	64.2115
Ba 389.178	-0.7116	ppb	0.1267	17.8	-27.1497
Be 313.042	-0.0152	ppb	0.0024	15.5	-84.0127
Ca 370.602	-7.423	ppb	3.137	42.3	-90.31
Cd 226.502	0.0501	ppb	0.1522	303.9	14.9653
Co 228.615	0.0383	ppb	0.2324	606.2	-10.0686
Cr 267.716	0.5501	ppb	0.1830	33.3	16.5000
Cu 324.754	0.7145	ppb	0.7825	109.5	127.912
Fe 271.441	0.7641	ppb	3.2850	429.9	-4.1360
K 766.491	0.2486	ppb	2.2492	904.7	2124.52
Mg 279.078	-6.4279	ppb	5.0601	78.7	22.6085
Mn 257.610	-0.4608	ppb	0.0329	7.1	7.8191
Mo 202.032	-0.0185	ppb	0.5450	2951.1	1.7162
Na 330.237	-9.1115	ppb	49.6272	544.7	3.6929
Ni 231.604	-1.0876	ppb	0.4287	39.4	-1.5699
Pb 220.353	-5.6200	ppb	5.2334	93.1	-3.3955
Sb 206.834	-0.9059	ppb	5.0294	555.2	3.7946
Se 196.026	-0.9268	ppb	7.1067	766.8	3.8211
Sn 189.925	0.8819	ppb	1.0080	114.3	-0.4266
Sr 216.596	-0.1548	ppb	0.5633	363.9	-7.6280
Ti 334.941	-0.7237	ppb	0.0559	7.7	-62.0150
Tl 190.794	-4.4234	ppb	4.5620	103.1	-2.5846
V 292.401	-0.0342	ppb	0.1440	420.5	8.4399
Zn 206.200	0.9106	ppb	0.3921	43.1	4.2850

lcs 680-271415/2-c (Samp) **4/10/2013, 7:27:19 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	37.4125	ppb	0.7725	2.1	1184.52
Al 308.215	5232.72	ppb	7.6185	0.1	15827.6
As 188.980	104.349	ppb	1.8591	1.8	38.9068
B 249.678	197.238	ppb	1.2365	0.6	1882.14
Ba 389.178	105.701	ppb	1.4594	1.4	1813.92
Be 313.042	53.9854	ppb	0.0290	0.1	89802.0
Ca 370.602	5062	ppb	6.911	0.1	19570
Cd 226.502	52.6397	ppb	0.0723	0.1	1234.69
Co 228.615	52.2936	ppb	0.4104	0.8	433.790
Cr 267.716	105.454	ppb	0.2287	0.2	1818.74
Cu 324.754	106.773	ppb	0.3408	0.3	4216.51
Fe 271.441	5008.38	ppb	5.0377	0.1	4010.57
K 766.491	5169.44	ppb	2.3598	0.0	703468

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	5093.71	ppb	7.1742	0.1	6159.31
Mn 257.610	545.970	ppb	0.7288	0.1	55647.1
Mo 202.032	102.950	ppb	1.1154	1.1	373.132
Na 330.237	4950.31	ppb	88.7466	1.8	353.286
Ni 231.604	105.376	ppb	1.9444	1.8	323.435
Pb 220.353	47.5738	ppb	2.0495	4.3	37.3859
Sb 206.834	41.9026	ppb	5.0992	12.2	33.3355
Se 196.026	103.244	ppb	6.4362	6.2	32.2723
Sn 189.925	197.939	ppb	4.0677	2.1	125.829
Sr 216.596	101.874	ppb	0.8130	0.8	627.566
Ti 334.941	100.701	ppb	0.1474	0.1	23108.1
Tl 190.794	40.0322	ppb	0.2705	0.7	18.8825
V 292.401	103.278	ppb	0.5593	0.5	3112.38
Zn 206.200	103.333	ppb	0.6685	0.6	330.446

lcs 680-271415/3-c (Samp) **4/10/2013, 7:32:45 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	200.882	ppb	1.1617	0.6	6482.79
Al 308.215	2058.38	ppb	23.5742	1.1	6260.64
As 188.980	198.094	ppb	4.8523	2.4	73.2622
B 249.678	384.776	ppb	3.1975	0.8	3607.10
Ba 389.178	193.570	ppb	2.1621	1.1	3368.08
Be 313.042	207.492	ppb	1.8609	0.9	345213
Ca 370.602	20034	ppb	172.2	0.9	77536
Cd 226.502	200.292	ppb	1.0936	0.5	4660.44
Co 228.615	201.176	ppb	1.2489	0.6	1698.82
Cr 267.716	204.275	ppb	1.6894	0.8	3511.60
Cu 324.754	208.176	ppb	0.7899	0.4	8102.36
Fe 271.441	20176.8	ppb	156.496	0.8	16168.9
K 766.491	19992.9	ppb	148.868	0.7	2714741
Mg 279.078	20063.1	ppb	214.330	1.1	24169.5
Mn 257.610	2101.24	ppb	17.0909	0.8	214009
Mo 202.032	202.004	ppb	2.2779	1.1	728.910
Na 330.237	18437.0	ppb	190.411	1.0	1304.24
Ni 231.604	204.830	ppb	2.0180	1.0	627.992
Pb 220.353	193.701	ppb	4.5216	2.3	151.424
Sb 206.834	180.479	ppb	3.7701	2.1	128.864
Se 196.026	200.480	ppb	9.8865	4.9	58.9357
Sn 189.925	191.271	ppb	6.0447	3.2	121.530
Sr 216.596	207.727	ppb	1.7355	0.8	1292.29
Ti 334.941	196.582	ppb	1.6195	0.8	45023.7
Tl 190.794	33.7433	ppb	6.4700	19.2	15.2222
V 292.401	202.219	ppb	1.3934	0.7	6085.55
Zn 206.200	190.398	ppb	1.6149	0.8	608.311

680-88701-b-1-c (Samp) **4/10/2013, 7:38:12 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1835	ppb	0.2525	137.6	-26.1523
Al 308.215	13.1412	ppb	4.7628	36.2	80.0630

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.1234	ppb	1.4151	126.0	-3.7751
B 249.678	66.8594	ppb	0.7964	1.2	670.687
Ba 389.178	299.709	ppb	1.7694	0.6	5190.24
Be 313.042	-0.0348	ppb	0.0045	12.9	-38.9482
Ca 370.602	277438	ppb	2332	0.8	1127973
Cd 226.502	0.1989	ppb	0.2055	103.3	18.5757
Co 228.615	7.3938	ppb	0.8182	11.1	52.5703
Cr 267.716	-0.4906	ppb	0.2849	58.1	1.1720
Cu 324.754	2.6362	ppb	0.5330	20.2	-602.645
Fe 271.441	11.3414	ppb	3.3525	29.6	4.7257
K 766.491	2982.24	ppb	18.6693	0.6	406645
Mg 279.078	35173.8	ppb	243.677	0.7	42484.4
Mn 257.610	1836.26	ppb	11.0099	0.6	187053
Mo 202.032	3.4668	ppb	1.0306	29.7	14.3137
Na 330.237	28558.4	ppb	220.584	0.8	2035.74
Ni 231.604	17.8317	ppb	0.2372	1.3	57.4754
Pb 220.353	-2.6490	ppb	7.8033	294.6	-1.0838
Sb 206.834	-1.4601	ppb	0.5010	34.3	6.0733
Se 196.026	-3.4214	ppb	12.0761	353.0	4.5439
Sn 189.925	2.9230	ppb	0.9559	32.7	-0.1966
Sr 216.596	678.566	ppb	2.3402	0.3	4251.14
Ti 334.941	-1.3291	ppb	0.0559	4.2	121.675
Tl 190.794	-3.5005	ppb	6.4619	184.6	-4.8768
V 292.401	0.5725	ppb	0.2601	45.4	22.3228
Zn 206.200	10.1099	ppb	0.2298	2.3	34.8169

680-88701-b-2-c (Samp) **4/10/2013, 7:43:38 PM** **Rack 2, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1854	ppb	0.1867	100.7	-26.2269
Al 308.215	16.3859	ppb	1.7246	10.5	89.5854
As 188.980	2.1865	ppb	7.8509	359.1	-2.6887
B 249.678	69.9066	ppb	0.6308	0.9	694.291
Ba 389.178	307.892	ppb	1.9247	0.6	5335.29
Be 313.042	-0.0295	ppb	0.0034	11.6	-27.5330
Ca 370.602	286902	ppb	416.9	0.1	1166064
Cd 226.502	0.4011	ppb	0.0794	19.8	27.5526
Co 228.615	8.5517	ppb	0.2543	3.0	62.4650
Cr 267.716	0.0290	ppb	0.7260	2501.4	9.0744
Cu 324.754	3.5326	ppb	0.3279	9.3	-594.471
Fe 271.441	2017.57	ppb	9.7469	0.5	1611.75
K 766.491	3125.56	ppb	2.7311	0.1	426088
Mg 279.078	36416.2	ppb	12.0844	0.0	43976.4
Mn 257.610	1921.84	ppb	0.5291	0.0	195769
Mo 202.032	2.7004	ppb	0.8070	29.9	11.2715
Na 330.237	29731.7	ppb	117.162	0.4	2118.17
Ni 231.604	17.9138	ppb	1.4950	8.3	57.9021
Pb 220.353	-0.5566	ppb	4.9842	895.5	0.5422
Sb 206.834	-3.1936	ppb	3.1532	98.7	5.0562
Se 196.026	-7.6404	ppb	11.8956	155.7	3.4177
Sn 189.925	-1.0582	ppb	4.3975	415.5	-2.7836
Sr 216.596	700.724	ppb	1.3159	0.2	4391.20
Ti 334.941	-1.3545	ppb	0.0491	3.6	126.911

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-0.9060	ppb	2.1374	235.9	-3.8113
V 292.401	0.4095	ppb	0.2676	65.3	17.8506
Zn 206.200	11.5182	ppb	0.7103	6.2	39.3962

680-88701-b-3-c (Samp) **4/10/2013, 7:49:05 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5498	ppb	0.5031	91.5	-44.3006
Al 308.215	3236.50	ppb	18.5986	0.6	9800.23
As 188.980	7.7050	ppb	4.9075	63.7	-4.6946
B 249.678	114.340	ppb	1.2743	1.1	1114.19
Ba 389.178	7.3508	ppb	0.5230	7.1	167.364
Be 313.042	0.5351	ppb	0.0062	1.2	993.121
Ca 370.602	574605	ppb	1734	0.3	2335675
Cd 226.502	4.5528	ppb	0.4335	9.5	123.591
Co 228.615	166.077	ppb	1.7623	1.1	1400.90
Cr 267.716	2.7882	ppb	0.3855	13.8	54.9815
Cu 324.754	200.378	ppb	1.0912	0.5	6181.63
Fe 271.441	2315.17	ppb	18.5444	0.8	1857.90
K 766.491	7872.78	ppb	43.4851	0.6	1070294
Mg 279.078	28060.2	ppb	185.975	0.7	33891.4
Mn 257.610	627.900	ppb	2.9900	0.5	64045.3
Mo 202.032	1.5687	ppb	0.7836	50.0	7.1821
Na 330.237	82592.2	ppb	437.315	0.5	5878.32
Ni 231.604	278.983	ppb	0.6240	0.2	853.253
Pb 220.353	-2.7329	ppb	3.8152	139.6	-1.4711
Sb 206.834	-7.8230	ppb	1.1918	15.2	4.7373
Se 196.026	-3.7976	ppb	8.5900	226.2	5.0520
Sn 189.925	3.6725	ppb	2.4307	66.2	-0.8642
Sr 216.596	121.398	ppb	0.9905	0.8	768.923
Ti 334.941	-2.1367	ppb	0.0176	0.8	279.009
Tl 190.794	0.3015	ppb	4.3016	1426.6	-5.8521
V 292.401	0.8027	ppb	0.2721	33.9	32.2540
Zn 206.200	172.608	ppb	1.2473	0.7	552.270

680-88701-b-4-c (Samp) **4/10/2013, 7:54:32 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6604b	ppb	0.3843	58.2	-40.9190
Al 308.215	28.0258b	ppb	5.2792	18.8	124.931
As 188.980	7.5558b	ppb	3.3476	44.3	-1.9102
B 249.678	543.960b	ppb	1.5775	0.3	5149.44
Ba 389.178	133.222b	ppb	1.5148	1.1	2340.62
Be 313.042	0.0635b	ppb	0.0072	11.3	129.229
Ca 370.602	373015b	ppb	867.0	0.2	1516550
Cd 226.502	1.8455b	ppb	0.2056	11.1	55.9084
Co 228.615	12.7566b	ppb	0.0603	0.5	98.1273
Cr 267.716	0.4167b	ppb	0.1424	34.2	18.2454
Cu 324.754	11.5498b	ppb	0.5905	5.1	-535.710
Fe 271.441	90.3892b	ppb	6.5411	7.2	68.2945
K 766.491	85799.9xb	ppb	202.937	0.2	11643677

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	37465.3b	ppb	125.194	0.3	45249.8
Mn 257.610	2010.27b	ppb	5.7490	0.3	204771
Mo 202.032	1.4150b	ppb	0.6004	42.4	6.8851
Na 330.237	247137xb	ppb	1537.46	0.6	17583.8
Ni 231.604	61.6104b	ppb	2.2154	3.6	191.010
Pb 220.353	1.5554b	ppb	2.3346	150.1	2.1963
Sb 206.834	-4.6229b	ppb	5.8876	127.4	4.8767
Se 196.026	-14.2168b	ppb	11.5933	81.5	1.9416
Sn 189.925	1.0485b	ppb	2.6821	255.8	-1.7158
Sr 216.596	1144.80b	ppb	4.3380	0.4	7171.32
Ti 334.941	-1.0384b	ppb	0.0647	6.2	286.371
Tl 190.794	-5.9595b	ppb	2.7146	45.6	-7.0164
V 292.401	1.2546b	ppb	0.0584	4.7	41.3478
Zn 206.200	237.678b	ppb	2.1082	0.9	759.839

680-88707-d-1-c (Samp) **4/10/2013, 7:59:59 PM** **Rack 2, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1199	ppb	0.5875	490.2	-32.2458
Al 308.215	11.2115	ppb	2.5852	23.1	74.5605
As 188.980	-0.4889	ppb	6.6564	1361.5	-1.5358
B 249.678	101.256	ppb	0.3977	0.4	993.492
Ba 389.178	53.3993	ppb	0.3405	0.6	933.212
Be 313.042	-0.0043	ppb	0.0076	179.7	-26.0412
Ca 370.602	133187	ppb	95.36	0.1	541444
Cd 226.502	0.0767	ppb	0.2619	341.3	15.5952
Co 228.615	1.2140	ppb	0.3193	26.3	-0.1543
Cr 267.716	0.2605	ppb	0.4070	156.2	11.5890
Cu 324.754	8.2214	ppb	0.2319	2.8	31.7380
Fe 271.441	-25.6369	ppb	5.3352	20.8	-25.1772
K 766.491	5643.51	ppb	4.5596	0.1	767806
Mg 279.078	17093.1	ppb	14.0483	0.1	20663.1
Mn 257.610	-0.3663	ppb	0.0919	25.1	63.2028
Mo 202.032	7.7706	ppb	0.2174	2.8	29.8678
Na 330.237	14745.3	ppb	89.4378	0.6	1053.20
Ni 231.604	3.0063	ppb	0.3186	10.6	11.5766
Pb 220.353	0.1276	ppb	1.5386	1206.2	1.0787
Sb 206.834	4.2828	ppb	4.7679	111.3	8.5588
Se 196.026	5.5515	ppb	5.7828	104.2	6.0931
Sn 189.925	-0.9121	ppb	4.9402	541.6	-2.0930
Sr 216.596	437.357	ppb	1.3629	0.3	2735.79
Ti 334.941	-0.8023	ppb	0.0530	6.6	74.5604
Tl 190.794	-3.7364	ppb	5.1464	137.7	-3.5692
V 292.401	4.9432	ppb	0.1062	2.1	157.856
Zn 206.200	2.2198	ppb	0.2710	12.2	9.0509

680-88707-d-2-e (Samp) **4/10/2013, 8:05:27 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2472	ppb	0.7225	292.3	-36.5057
Al 308.215	2484.08	ppb	147.718	5.9	7532.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.9714	ppb	2.6916	67.8	1.4931
B 249.678	17.7050	ppb	0.4718	2.7	206.919
Ba 389.178	57.0110	ppb	2.5861	4.5	967.680
Be 313.042	0.0754	ppb	0.0194	25.7	89.9884
Ca 370.602	33301	ppb	1528	4.6	135176
Cd 226.502	-0.0966	ppb	0.1676	173.5	13.6288
Co 228.615	1.3419	ppb	0.5137	38.3	3.2123
Cr 267.716	2.7368	ppb	0.0745	2.7	53.8125
Cu 324.754	3.8740	ppb	0.5118	13.2	152.265
Fe 271.441	902.700	ppb	36.0944	4.0	718.645
K 766.491	841.100	ppb	30.1879	3.6	116198
Mg 279.078	2153.74	ppb	92.4988	4.3	2626.60
Mn 257.610	87.7741	ppb	3.9620	4.5	8997.34
Mo 202.032	-0.0540	ppb	0.7129	1320.7	1.4524
Na 330.237	24945.4	ppb	1012.65	4.1	1777.14
Ni 231.604	3.4683	ppb	0.6892	19.9	12.4585
Pb 220.353	3.1095	ppb	1.5237	49.0	3.1820
Sb 206.834	-1.4230	ppb	1.0031	70.5	3.5469
Se 196.026	3.2229	ppb	11.2304	348.5	5.0766
Sn 189.925	0.0079	ppb	4.8372	61394.3	-1.0731
Sr 216.596	182.894	ppb	8.8713	4.9	1139.62
Ti 334.941	144.435	ppb	8.8668	6.1	33117.9
Tl 190.794	-1.1671	ppb	1.6793	143.9	-1.2729
V 292.401	24.1267	ppb	1.0385	4.3	742.793
Zn 206.200	1.6290	ppb	0.4365	26.8	6.6609

680-88707-d-2-eSD^5 (Samp) **4/10/2013, 8:10:55 PM** **Rack 2, Tube 12**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3890	ppb	0.3690	94.9	-40.8474
Al 308.215	505.491	ppb	23.7097	4.7	1564.93
As 188.980	-7.7266	ppb	1.4465	18.7	-2.4496
B 249.678	3.1828	ppb	0.5696	17.9	72.3381
Ba 389.178	11.8577	ppb	0.3644	3.1	189.406
Be 313.042	0.0014	ppb	0.0048	338.9	-51.7947
Ca 370.602	6696	ppb	344.8	5.1	27130
Cd 226.502	0.1273	ppb	0.0346	27.2	17.1601
Co 228.615	0.2248	ppb	0.3258	144.9	-8.0486
Cr 267.716	0.7505	ppb	0.0639	8.5	19.8817
Cu 324.754	0.8408	ppb	0.1499	17.8	113.123
Fe 271.441	187.549	ppb	9.7289	5.2	145.531
K 766.491	166.417	ppb	7.2832	4.4	24667.1
Mg 279.078	438.050	ppb	29.4025	6.7	558.406
Mn 257.610	17.5175	ppb	0.8869	5.1	1839.48
Mo 202.032	-0.2022	ppb	0.7762	383.9	1.0245
Na 330.237	4882.11	ppb	239.518	4.9	351.288
Ni 231.604	0.5280	ppb	0.7673	145.3	3.3837
Pb 220.353	4.5815	ppb	2.9113	63.5	4.5171
Sb 206.834	0.2789	ppb	2.3138	829.6	4.6096
Se 196.026	-0.1468	ppb	3.5515	2418.9	4.0587
Sn 189.925	-0.4631	ppb	5.1176	1105.0	-1.3059
Sr 216.596	37.0710	ppb	2.4192	6.5	225.652
Ti 334.941	28.3099	ppb	1.1527	4.1	6574.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-3.3192	ppb	2.4860	74.9	-2.1032
V 292.401	4.6994	ppb	0.2769	5.9	152.256
Zn 206.200	0.6255	ppb	0.4088	65.4	3.3952

Cont Calib Verif (CCV) **4/10/2013, 8:16:22 PM** **Rack 2, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	499.698	ppb	2.5583	0.5	16156.1	99.93961
Al 308.215	5110.49	ppb	26.3728	0.5	15727.1	102.20981
As 188.980	490.436	ppb	14.9913	3.1	182.077	98.08726
B 249.678	509.443	ppb	2.5159	0.5	4819.34	20.37771Q
Ba 389.178	5132.75	ppb	25.9600	0.5	88022.4	102.65500
Be 313.042	518.636	ppb	2.0021	0.4	865864	103.72713
Ca 370.602	5036	ppb	20.58	0.4	19725	100.72671
Cd 226.502	509.796	ppb	2.3943	0.5	11740.7	101.95923
Co 228.615	510.147	ppb	1.7742	0.3	4327.81	102.02933
Cr 267.716	5156.88	ppb	29.7585	0.6	88708.9	103.13769
Cu 324.754	5155.29	ppb	33.2603	0.6	199375	103.10571
Fe 271.441	4986.02	ppb	29.5270	0.6	4055.20	99.72043
K 766.491	10149.8	ppb	34.8023	0.3	1377786	101.49809
Mg 279.078	5023.27	ppb	32.0094	0.6	6065.43	100.46537
Mn 257.610	5315.43	ppb	27.2242	0.5	541112	106.30859
Mo 202.032	498.554	ppb	2.4826	0.5	1793.67	99.71086
Na 330.237	7502.89	ppb	55.6491	0.7	536.115	100.03858
Ni 231.604	2603.59	ppb	7.8712	0.3	7940.90	104.14365
Pb 220.353	502.065	ppb	4.3774	0.9	387.396	100.41292
Sb 206.834	917.984	ppb	7.7051	0.8	660.221	36.71936Q
Se 196.026	4974.15	ppb	31.7272	0.6	1359.24	99.48305
Sn 189.925	4904.08	ppb	42.4734	0.9	3140.99	98.08168
Sr 216.596	2521.26	ppb	12.4783	0.5	15660.2	100.85045
Ti 334.941	500.585	ppb	2.7396	0.5	114745	100.11696
Tl 190.794	4969.39	ppb	44.0900	0.9	2428.53	99.38777
V 292.401	5000.95	ppb	24.3393	0.5	151323	100.01893
Zn 206.200	2579.57	ppb	13.2502	0.5	8198.62	103.18292

Cont Calib Blank (CCB) **4/10/2013, 8:21:48 PM** **Rack 2, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2431	ppb	0.1848	76.0	-36.0606	-0.24314
Al 308.215	-1.4451	ppb	3.4390	238.0	36.0107	-1.44512
As 188.980	-4.0383	ppb	7.3218	181.3	-0.9967	-4.03827
B 249.678	1.2584	ppb	0.7796	62.0	54.7389	1.25840
Ba 389.178	0.0606	ppb	0.6421	1059.2	-13.9079	0.06062
Be 313.042	0.0419	ppb	0.0262	62.5	11.4576	0.04192
Ca 370.602	-3.253	ppb	1.972	60.6	-73.32	-3.25342
Cd 226.502	-0.1342	ppb	0.1967	146.6	10.7312	-0.13420
Co 228.615	0.2251	ppb	0.0698	31.0	-8.4821	0.22506
Cr 267.716	0.7293	ppb	0.1155	15.8	19.5778	0.72928
Cu 324.754	0.6577	ppb	0.1353	20.6	125.697	0.65767
Fe 271.441	1.4193	ppb	8.4473	595.2	-3.6004	1.41935
K 766.491	1.7301	ppb	0.3679	21.3	2325.22	1.73014

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-6.1690	ppb	2.5887	42.0	22.9194	-6.16901
Mn 257.610	0.2723	ppb	0.2711	99.6	82.4321	0.27225
Mo 202.032	0.3426	ppb	1.0345	301.9	3.0202	0.34264
Na 330.237	-88.4046	ppb	35.1906	39.8	-1.9490	-88.40463
Ni 231.604	-0.1979	ppb	0.5522	279.1	1.1433	-0.19786
Pb 220.353	1.9928	ppb	4.6204	231.9	2.5443	1.99279
Sb 206.834	0.8089	ppb	2.5829	319.3	4.9537	0.80887
Se 196.026	-3.4099	ppb	3.7879	111.1	3.1452	-3.40986
Sn 189.925	-0.6071	ppb	0.3987	65.7	-1.3806	-0.60709
Sr 216.596	0.1107	ppb	0.4118	372.1	-6.0028	0.11068
Ti 334.941	-0.5639	ppb	0.0343	6.1	-25.4846	-0.56386
Tl 190.794	-0.3682	ppb	5.4961	1492.6	-0.6065	-0.36822
V 292.401	0.6373	ppb	0.2171	34.1	28.7474	0.63734
Zn 206.200	0.7332	ppb	1.2184	166.2	3.7179	0.73319

680-88707-d-2-ePDS (Samp) **4/10/2013, 8:27:15 PM** **Rack 2, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.9102	ppb	0.3211	0.6	1587.32
Al 308.215	4556.37	ppb	17.5725	0.4	13820.2
As 188.980	2084.16	ppb	13.4019	0.6	768.335
B 249.678	1004.59	ppb	4.6778	0.5	9475.34
Ba 389.178	2142.26	ppb	9.2619	0.4	36731.4
Be 313.042	53.3865	ppb	0.1949	0.4	89045.2
Ca 370.602	37261	ppb	114.0	0.3	151219
Cd 226.502	51.6678	ppb	0.3084	0.6	1205.60
Co 228.615	523.529	ppb	2.4400	0.5	4447.52
Cr 267.716	211.211	ppb	0.9301	0.4	3638.48
Cu 324.754	268.724	ppb	1.3997	0.5	10374.9
Fe 271.441	1889.02	ppb	7.4295	0.4	1539.75
K 766.491	6340.72	ppb	20.1480	0.3	861810
Mg 279.078	7234.98	ppb	21.6193	0.3	8755.25
Mn 257.610	626.578	ppb	1.9860	0.3	63865.6
Mo 202.032	523.070	ppb	2.3379	0.4	1891.41
Na 330.237	29576.7	ppb	136.407	0.5	2099.10
Ni 231.604	524.570	ppb	4.1747	0.8	1601.85
Pb 220.353	502.952	ppb	0.8536	0.2	392.117
Sb 206.834	477.698	ppb	7.1441	1.5	324.052
Se 196.026	2013.72	ppb	11.8243	0.6	552.555
Sn 189.925	999.870	ppb	3.9039	0.4	639.748
Sr 216.596	693.812	ppb	3.3848	0.5	4307.93
Ti 334.941	1152.46	ppb	4.3847	0.4	263289
Tl 190.794	2031.91	ppb	9.0408	0.4	991.520
V 292.401	531.286	ppb	1.5664	0.3	16000.4
Zn 206.200	514.098	ppb	1.4674	0.3	1638.56

680-88707-c-2-c ms (Samp) **4/10/2013, 8:32:41 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	36.8145	ppb	0.7656	2.1	1165.15
Al 308.215	6596.80	ppb	39.9265	0.6	19942.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	96.7821	ppb	4.1250	4.3	35.6711
B 249.678	215.705	ppb	1.9550	0.9	2053.88
Ba 389.178	156.720	ppb	1.2939	0.8	2693.16
Be 313.042	54.2980	ppb	0.3359	0.6	90343.3
Ca 370.602	37199	ppb	248.7	0.7	150114
Cd 226.502	52.6086	ppb	0.4520	0.9	1235.40
Co 228.615	53.2612	ppb	0.7050	1.3	443.025
Cr 267.716	106.033	ppb	0.6526	0.6	1828.47
Cu 324.754	107.109	ppb	2.2266	2.1	4135.54
Fe 271.441	5662.92	ppb	26.5536	0.5	4535.13
K 766.491	6229.08	ppb	33.2357	0.5	847229
Mg 279.078	7070.04	ppb	49.5068	0.7	8542.33
Mn 257.610	628.172	ppb	3.6428	0.6	64020.8
Mo 202.032	103.721	ppb	1.3079	1.3	375.806
Na 330.237	29469.8	ppb	293.649	1.0	2096.53
Ni 231.604	107.279	ppb	1.9187	1.8	329.352
Pb 220.353	52.5129	ppb	5.1611	9.8	41.1098
Sb 206.834	37.5238	ppb	5.4076	14.4	30.5599
Se 196.026	105.367	ppb	10.2966	9.8	32.9703
Sn 189.925	198.803	ppb	5.7105	2.9	126.280
Sr 216.596	278.017	ppb	2.3090	0.8	1731.48
Ti 334.941	167.603	ppb	0.2190	0.1	38419.2
Tl 190.794	37.0898	ppb	5.6834	15.3	17.1504
V 292.401	124.984	ppb	0.6722	0.5	3771.26
Zn 206.200	104.688	ppb	1.5700	1.5	334.846

680-88707-d-2-f msd (Samp) **4/10/2013, 8:38:08 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.8430	ppb	0.0823	0.4	679.953
Al 308.215	7605.87	ppb	35.0349	0.5	22985.1
As 188.980	99.2526	ppb	3.9119	3.9	36.5765
B 249.678	212.184	ppb	1.2664	0.6	2020.10
Ba 389.178	158.437	ppb	0.1534	0.1	2723.05
Be 313.042	53.9542	ppb	0.1692	0.3	89772.0
Ca 370.602	37561	ppb	94.92	0.3	151533
Cd 226.502	52.1831	ppb	0.3391	0.6	1226.32
Co 228.615	52.6840	ppb	0.1063	0.2	438.988
Cr 267.716	107.161	ppb	0.7045	0.7	1847.75
Cu 324.754	111.416	ppb	0.4345	0.4	4300.77
Fe 271.441	5952.36	ppb	14.9599	0.3	4766.96
K 766.491	6225.37	ppb	15.5508	0.2	846725
Mg 279.078	7129.81	ppb	13.5315	0.2	8613.39
Mn 257.610	625.426	ppb	1.8624	0.3	63742.4
Mo 202.032	102.396	ppb	0.6672	0.7	370.986
Na 330.237	29569.3	ppb	59.3646	0.2	2103.01
Ni 231.604	106.568	ppb	0.9192	0.9	327.205
Pb 220.353	53.1766	ppb	2.9352	5.5	41.5365
Sb 206.834	49.8613	ppb	2.5110	5.0	38.8336
Se 196.026	96.3056	ppb	8.5544	8.9	30.5032
Sn 189.925	196.534	ppb	2.5939	1.3	124.840
Sr 216.596	278.916	ppb	1.4678	0.5	1737.34
Ti 334.941	223.838	ppb	0.8445	0.4	51259.1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	36.0751	ppb	7.8843	21.9	16.6654
V 292.401	125.629	ppb	0.8303	0.7	3791.76
Zn 206.200	104.092	ppb	0.5124	0.5	332.953

680-88707-d-3-c (Samp) **4/10/2013, 8:43:34 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0757	ppb	0.6336	837.3	-25.3774
Al 308.215	47.2858	ppb	3.3609	7.1	183.030
As 188.980	-1.0658	ppb	4.9260	462.2	0.0096
B 249.678	31.9695	ppb	1.1793	3.7	341.557
Ba 389.178	55.1943	ppb	3.2931	6.0	947.149
Be 313.042	0.7456	ppb	0.0572	7.7	1182.30
Ca 370.602	5771	ppb	333.0	5.8	23226
Cd 226.502	1.1331	ppb	0.3292	29.1	41.8300
Co 228.615	38.7171	ppb	2.5217	6.5	318.658
Cr 267.716	0.4931	ppb	0.2114	42.9	15.3081
Cu 324.754	2.7401	ppb	0.2639	9.6	190.722
Fe 271.441	937.997	ppb	54.1868	5.8	748.534
K 766.491	5076.26	ppb	219.489	4.3	690839
Mg 279.078	7724.93	ppb	419.287	5.4	9351.23
Mn 257.610	128.763	ppb	7.7400	6.0	13182.3
Mo 202.032	-0.5909	ppb	0.2340	39.6	-0.4877
Na 330.237	33326.1	ppb	1684.09	5.1	2374.46
Ni 231.604	44.3292	ppb	1.9868	4.5	137.204
Pb 220.353	-1.8483	ppb	2.9130	157.6	-0.4647
Sb 206.834	0.1428	ppb	4.2285	2960.4	4.5834
Se 196.026	-3.7873	ppb	11.4958	303.5	3.1165
Sn 189.925	-0.4802	ppb	0.8842	184.1	-1.3133
Sr 216.596	90.0707	ppb	5.1509	5.7	555.946
Ti 334.941	-0.6744	ppb	0.0318	4.7	-45.6608
Tl 190.794	-1.6590	ppb	3.0485	183.8	-1.2732
V 292.401	4.1201	ppb	0.3132	7.6	134.296
Zn 206.200	49.9947	ppb	2.6090	5.2	160.941

680-88758-d-1-c (Samp) **4/10/2013, 8:49:00 PM** **Rack 2, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8676	ppb	0.2797	32.2	-56.2692
Al 308.215	162.595	ppb	2.0111	1.2	530.642
As 188.980	-4.0299	ppb	1.5938	39.5	-1.0232
B 249.678	25.0898	ppb	1.4060	5.6	279.221
Ba 389.178	215.641	ppb	1.6416	0.8	3691.67
Be 313.042	0.5024	ppb	0.0078	1.6	773.593
Ca 370.602	1828	ppb	30.81	1.7	7370
Cd 226.502	0.7448	ppb	0.1867	25.1	30.8849
Co 228.615	35.0016	ppb	0.4405	1.3	287.174
Cr 267.716	1.4629	ppb	0.2063	14.1	32.4433
Cu 324.754	3.6239	ppb	0.1233	3.4	235.650
Fe 271.441	9.8689	ppb	8.9468	90.7	4.8860
K 766.491	3359.87	ppb	34.8454	1.0	457908

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	5116.20	ppb	70.4924	1.4	6205.93
Mn 257.610	14.0924	ppb	0.1939	1.4	1502.56
Mo 202.032	-0.5448	ppb	1.0417	191.2	-0.1859
Na 330.237	38398.3	ppb	581.275	1.5	2735.69
Ni 231.604	22.3879	ppb	0.4211	1.9	70.1677
Pb 220.353	3.0326	ppb	8.6777	286.1	3.3371
Sb 206.834	-4.2975	ppb	1.6907	39.3	1.5343
Se 196.026	-4.8907	ppb	3.5559	72.7	2.7812
Sn 189.925	0.9027	ppb	4.9619	549.7	-0.4108
Sr 216.596	50.6168	ppb	0.7271	1.4	309.284
Ti 334.941	-0.7193	ppb	0.0545	7.6	-60.8625
Tl 190.794	1.3869	ppb	0.6617	47.7	0.2894
V 292.401	-0.0222	ppb	0.0679	305.8	8.6172
Zn 206.200	29.8917	ppb	0.8106	2.7	96.7817

680-88758-d-2-c (Samp) **4/10/2013, 8:54:27 PM** **Rack 2, Tube 20**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2892b	ppb	0.6262	216.5	-37.6856
Al 308.215	844.399b	ppb	2.7614	0.3	2586.74
As 188.980	-6.5549b	ppb	8.9642	136.8	-2.0780
B 249.678	17.2404b	ppb	0.6574	3.8	205.997
Ba 389.178	1366.69b	ppb	2.8750	0.2	23472.5
Be 313.042	3.0861b	ppb	0.0216	0.7	5064.07
Ca 370.602	10395b	ppb	24.71	0.2	42202
Cd 226.502	2.1361b	ppb	0.1601	7.5	62.7941
Co 228.615	55.6018b	ppb	0.2313	0.4	462.902
Cr 267.716	1.0332b	ppb	0.2295	22.2	25.5980
Cu 324.754	14.5422b	ppb	0.2958	2.0	635.079
Fe 271.441	9.5563b	ppb	3.7150	38.9	5.6453
K 766.491	7434.77b	ppb	5.0022	0.1	1010475
Mg 279.078	30275.5b	ppb	63.3721	0.2	36575.1
Mn 257.610	17.9530b	ppb	0.0771	0.4	1961.44
Mo 202.032	0.1471b	ppb	0.2256	153.4	2.3244
Na 330.237	130915xb	ppb	952.865	0.7	9316.62
Ni 231.604	49.7044b	ppb	1.4068	2.8	154.401
Pb 220.353	17.2906b	ppb	4.5657	26.4	14.3982
Sb 206.834	-1.1852b	ppb	2.3423	197.6	3.7253
Se 196.026	-0.0957b	ppb	5.2637	5500.2	4.2653
Sn 189.925	-0.2269b	ppb	3.5018	1543.0	-1.1446
Sr 216.596	307.015b	ppb	0.7329	0.2	1913.04
Ti 334.941	-0.7051b	ppb	0.0234	3.3	-52.1957
Tl 190.794	-8.0218b	ppb	3.1126	38.8	-4.3556
V 292.401	0.1819b	ppb	0.3003	165.1	14.2429
Zn 206.200	87.0267b	ppb	0.3148	0.4	279.669

680-88758-d-3-g (Samp) **4/10/2013, 8:59:54 PM** **Rack 2, Tube 21**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0276	ppb	0.1212	439.7	-29.1910
Al 308.215	811.866	ppb	6.0355	0.7	2488.64

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-6.0518	ppb	2.4489	40.5	-2.1570
B 249.678	35.2309	ppb	0.1290	0.4	373.329
Ba 389.178	39.1800	ppb	0.7553	1.9	661.252
Be 313.042	0.1253	ppb	0.0031	2.5	157.158
Ca 370.602	30078	ppb	119.1	0.4	122206
Cd 226.502	0.0383	ppb	0.1195	312.0	14.9861
Co 228.615	0.7891	ppb	0.2548	32.3	-3.3085
Cr 267.716	0.3969	ppb	0.1237	31.2	13.9413
Cu 324.754	3.6661	ppb	0.2825	7.7	154.542
Fe 271.441	138.702	ppb	16.1694	11.7	106.395
K 766.491	1050.20	ppb	3.3343	0.3	144574
Mg 279.078	2276.07	ppb	7.3644	0.3	2777.24
Mn 257.610	7.1982	ppb	0.0519	0.7	793.950
Mo 202.032	0.3804	ppb	0.7569	199.0	3.1488
Na 330.237	22530.4	ppb	44.5986	0.2	1606.70
Ni 231.604	1.3822	ppb	0.6338	45.9	6.0567
Pb 220.353	-0.7950	ppb	3.8894	489.3	0.2947
Sb 206.834	-0.6682	ppb	2.7814	416.3	4.2133
Se 196.026	-1.0796	ppb	3.1899	295.5	3.8868
Sn 189.925	1.0649	ppb	1.4686	137.9	-0.4153
Sr 216.596	186.541	ppb	0.4970	0.3	1161.98
Ti 334.941	22.5008	ppb	0.1284	0.6	5274.29
Tl 190.794	-1.6552	ppb	3.3470	202.2	-1.5307
V 292.401	0.9004	ppb	0.0716	7.9	36.9946
Zn 206.200	2.5704	ppb	0.4420	17.2	9.6546

680-88758-d-3-h ms (Samp) **4/10/2013, 9:05:22 PM** **Rack 2, Tube 22**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.3900	ppb	0.9042	4.7	600.667
Al 308.215	6172.23	ppb	82.4033	1.3	18660.8
As 188.980	96.8202	ppb	6.4066	6.6	35.7345
B 249.678	230.037	ppb	1.7305	0.8	2189.66
Ba 389.178	142.887	ppb	1.2384	0.9	2455.67
Be 313.042	54.7580	ppb	0.6198	1.1	91094.7
Ca 370.602	33677	ppb	387.9	1.2	135881
Cd 226.502	52.4899	ppb	0.4824	0.9	1231.59
Co 228.615	53.2027	ppb	0.9246	1.7	441.889
Cr 267.716	106.331	ppb	1.6416	1.5	1833.88
Cu 324.754	111.778	ppb	0.5885	0.5	4326.79
Fe 271.441	5166.16	ppb	65.6656	1.3	4137.00
K 766.491	6413.55	ppb	54.2720	0.8	872262
Mg 279.078	7235.87	ppb	85.4011	1.2	8744.46
Mn 257.610	554.676	ppb	6.3298	1.1	56539.4
Mo 202.032	103.945	ppb	1.3752	1.3	376.716
Na 330.237	24906.5	ppb	305.762	1.2	1772.53
Ni 231.604	105.773	ppb	2.0666	2.0	324.734
Pb 220.353	52.7047	ppb	1.6007	3.0	41.3017
Sb 206.834	46.9203	ppb	2.7619	5.9	36.9756
Se 196.026	95.0474	ppb	11.3317	11.9	30.1432
Sn 189.925	194.916	ppb	9.1248	4.7	123.792
Sr 216.596	277.803	ppb	4.1248	1.5	1729.81
Ti 334.941	124.680	ppb	1.6643	1.3	28615.2

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	33.9109	ppb	4.4328	13.1	15.6143
V 292.401	104.667	ppb	1.0176	1.0	3154.44
Zn 206.200	107.318	ppb	1.4147	1.3	343.213

680-88758-d-3-i msd (Samp) **4/10/2013, 9:10:50 PM** **Rack 2, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	17.9538	ppb	0.5329	3.0	554.168
Al 308.215	6328.56	ppb	292.891	4.6	19132.4
As 188.980	98.4626	ppb	9.2636	9.4	36.3113
B 249.678	237.572	ppb	8.8647	3.7	2260.07
Ba 389.178	146.574	ppb	6.7714	4.6	2519.51
Be 313.042	56.0442	ppb	2.1707	3.9	93236.2
Ca 370.602	35757	ppb	1483	4.1	144313
Cd 226.502	54.4162	ppb	2.5464	4.7	1276.16
Co 228.615	54.8443	ppb	1.8488	3.4	455.843
Cr 267.716	109.425	ppb	4.7659	4.4	1887.04
Cu 324.754	114.444	ppb	6.2450	5.5	4423.88
Fe 271.441	5301.33	ppb	228.529	4.3	4245.36
K 766.491	6560.65	ppb	209.130	3.2	892220
Mg 279.078	7451.05	ppb	336.256	4.5	9003.68
Mn 257.610	569.158	ppb	23.8528	4.2	58014.2
Mo 202.032	106.465	ppb	4.3740	4.1	385.807
Na 330.237	25710.3	ppb	871.670	3.4	1829.61
Ni 231.604	109.380	ppb	5.1359	4.7	335.746
Pb 220.353	53.2353	ppb	3.4721	6.5	41.6943
Sb 206.834	46.6960	ppb	8.5854	18.4	36.8432
Se 196.026	99.0817	ppb	9.0314	9.1	31.2504
Sn 189.925	203.809	ppb	6.7717	3.3	129.482
Sr 216.596	291.984	ppb	11.7665	4.0	1818.52
Ti 334.941	128.104	ppb	5.8725	4.6	29399.6
Tl 190.794	34.0682	ppb	3.9512	11.6	15.6660
V 292.401	107.252	ppb	4.8532	4.5	3232.10
Zn 206.200	108.316	ppb	4.3064	4.0	346.396

680-88758-d-4-c (Samp) **4/10/2013, 9:16:17 PM** **Rack 2, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3937	ppb	0.3533	89.8	-15.3399
Al 308.215	1722.61	ppb	1.3747	0.1	5235.10
As 188.980	-5.9676	ppb	6.0325	101.1	-1.7415
B 249.678	25.2689	ppb	0.8442	3.3	280.260
Ba 389.178	103.852	ppb	0.4388	0.4	1772.46
Be 313.042	0.5267	ppb	0.0020	0.4	817.159
Ca 370.602	2334	ppb	6.188	0.3	9431
Cd 226.502	-0.0921	ppb	0.1381	149.9	11.8019
Co 228.615	5.6437	ppb	0.5447	9.7	37.6277
Cr 267.716	0.2742	ppb	0.1432	52.2	11.8525
Cu 324.754	4.0528	ppb	0.1866	4.6	250.517
Fe 271.441	1.0712	ppb	3.2804	306.2	-3.6204
K 766.491	2900.08	ppb	2.1328	0.1	395554

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	3681.99	ppb	9.5699	0.3	4474.76
Mn 257.610	25.9611	ppb	0.0957	0.4	2706.87
Mo 202.032	0.2571	ppb	0.7528	292.8	2.7353
Na 330.237	10581.2	ppb	18.5104	0.2	757.054
Ni 231.604	4.8818	ppb	0.4984	10.2	16.7666
Pb 220.353	4.3708	ppb	3.4684	79.4	4.2417
Sb 206.834	-0.2800	ppb	6.6256	2365.9	4.2401
Se 196.026	-6.0088	ppb	4.7187	78.5	2.4773
Sn 189.925	-1.1459	ppb	0.9431	82.3	-1.7322
Sr 216.596	39.9862	ppb	0.5246	1.3	243.464
Ti 334.941	-0.6748	ppb	0.0448	6.6	-48.5613
Tl 190.794	-5.6686	ppb	7.0669	124.7	-3.2242
V 292.401	0.1414	ppb	0.1156	81.7	13.6679
Zn 206.200	33.7748	ppb	1.1732	3.5	109.106

Cont Calib Verif (CCV) **4/10/2013, 9:21:45 PM** **Rack 2, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	494.872	ppb	10.7138	2.2	15999.8	98.97433
Al 308.215	5069.62	ppb	104.173	2.1	15600.9	101.39244
As 188.980	490.292	ppb	14.6874	3.0	182.016	98.05831
B 249.678	504.702	ppb	10.2576	2.0	4774.93	20.18808Q
Ba 389.178	5076.19	ppb	100.046	2.0	87052.3	101.52372
Be 313.042	513.558	ppb	10.7498	2.1	857382	102.71152
Ca 370.602	4985	ppb	94.56	1.9	19523	99.70016
Cd 226.502	503.767	ppb	12.1683	2.4	11602.0	100.75339
Co 228.615	505.274	ppb	10.7041	2.1	4286.39	101.05473
Cr 267.716	5101.97	ppb	110.152	2.2	87764.3	102.03935
Cu 324.754	5110.16	ppb	155.472	3.0	197631	102.20320
Fe 271.441	4931.25	ppb	107.801	2.2	4010.67	98.62507
K 766.491	10083.4	ppb	156.189	1.5	1368791	100.83403
Mg 279.078	4976.30	ppb	94.8748	1.9	6009.03	99.52601
Mn 257.610	5255.24	ppb	109.942	2.1	534986	105.10483
Mo 202.032	495.396	ppb	8.2523	1.7	1782.37	99.07929
Na 330.237	7498.91	ppb	117.425	1.6	535.857	99.98545
Ni 231.604	2576.62	ppb	51.4415	2.0	7858.65	103.06481
Pb 220.353	502.918	ppb	16.8999	3.4	388.117	100.58362
Sb 206.834	907.270	ppb	22.2724	2.5	652.635	36.29081Q
Se 196.026	4916.09	ppb	86.9338	1.8	1343.42	98.32178
Sn 189.925	4842.53	ppb	122.128	2.5	3101.55	96.85052
Sr 216.596	2493.42	ppb	49.3765	2.0	15487.1	99.73689
Ti 334.941	495.202	ppb	10.1992	2.1	113513	99.04050
Tl 190.794	4918.09	ppb	83.6702	1.7	2403.46	98.36185
V 292.401	4946.51	ppb	100.424	2.0	149676	98.93020
Zn 206.200	2554.70	ppb	51.3885	2.0	8119.59	102.18799

Cont Calib Blank (CCB) **4/10/2013, 9:27:12 PM** **Rack 2, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2779	ppb	0.4128	148.6	-19.1819	0.27790
Al 308.215	-2.4721	ppb	3.5290	142.8	32.9026	-2.47209

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	-6.1987	ppb	3.6786	59.3	-1.7931	-6.19870
B 249.678	1.5437	ppb	1.0341	67.0	57.4015	1.54369
Ba 389.178	0.9944	ppb	0.6812	68.5	2.1041	0.99438
Be 313.042	0.0339	ppb	0.0115	33.9	-2.2405	0.03391
Ca 370.602	-2.135	ppb	1.444	67.6	-69.21	-2.13498
Cd 226.502	0.2091	ppb	0.0212	10.1	18.6242	0.20907
Co 228.615	-0.1974	ppb	0.0861	43.6	-12.0837	-0.19743
Cr 267.716	0.3602	ppb	0.1856	51.5	13.2297	0.36023
Cu 324.754	0.5034	ppb	0.2749	54.6	119.742	0.50342
Fe 271.441	2.3131	ppb	3.0550	132.1	-2.8983	2.31307
K 766.491	1.7487	ppb	0.1665	9.5	2327.59	1.74872
Mg 279.078	-4.8223	ppb	7.7514	160.7	24.5376	-4.82225
Mn 257.610	0.0526	ppb	0.1355	257.7	60.0782	0.05260
Mo 202.032	0.7865	ppb	0.4512	57.4	4.6254	0.78651
Na 330.237	11.2823	ppb	28.8260	255.5	5.1415	11.28227
Ni 231.604	-0.4128	ppb	0.8656	209.7	0.4879	-0.41278
Pb 220.353	-3.1877	ppb	0.6974	21.9	-1.4988	-3.18769
Sb 206.834	-2.5129	ppb	3.3422	133.0	2.7066	-2.51289
Se 196.026	6.9271	ppb	6.1133	88.3	5.9593	6.92714
Sn 189.925	0.7992	ppb	1.6554	207.1	-0.4796	0.79923
Sr 216.596	-0.5749	ppb	1.0360	180.2	-10.2932	-0.57488
Ti 334.941	-0.6504	ppb	0.0745	11.5	-45.2774	-0.65038
Tl 190.794	-2.4923	ppb	4.9742	199.6	-1.6439	-2.49233
V 292.401	0.1833	ppb	0.0655	35.7	14.8587	0.18332
Zn 206.200	0.6947	ppb	0.4353	62.7	3.5972	0.69466

680-88758-d-5-c (Samp) **4/10/2013, 9:32:39 PM** **Rack 2, Tube 27**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3790b	ppb	0.7650	201.8	-39.9094
Al 308.215	589.186b	ppb	10.5141	1.8	1817.10
As 188.980	-10.2556b	ppb	2.2824	22.3	-3.7010
B 249.678	20.9903b	ppb	0.6805	3.2	240.187
Ba 389.178	773.875b	ppb	13.1385	1.7	13297.4
Be 313.042	3.8173b	ppb	0.0656	1.7	6272.38
Ca 370.602	29382b	ppb	508.9	1.7	119389
Cd 226.502	0.2867b	ppb	0.0972	33.9	19.9050
Co 228.615	17.2267b	ppb	0.7018	4.1	136.461
Cr 267.716	-0.0349b	ppb	0.3834	1099.4	8.2378
Cu 324.754	3.6498b	ppb	0.1824	5.0	157.922
Fe 271.441	79.8959b	ppb	9.5847	12.0	60.1166
K 766.491	9581.98b	ppb	139.410	1.5	1301985
Mg 279.078	23804.0b	ppb	407.421	1.7	28763.0
Mn 257.610	162.188b	ppb	2.8656	1.8	16625.3
Mo 202.032	-0.1339b	ppb	0.5749	429.4	1.2965
Na 330.237	277303xb	ppb	2036.19	0.7	19729.2
Ni 231.604	23.0305b	ppb	1.7880	7.8	72.8705
Pb 220.353	-0.8480b	ppb	2.2201	261.8	0.2715
Sb 206.834	-3.4316b	ppb	0.6764	19.7	2.3929
Se 196.026	0.7595b	ppb	4.7502	625.4	4.5429
Sn 189.925	1.2763b	ppb	3.2858	257.4	-0.2188
Sr 216.596	403.600b	ppb	6.2359	1.5	2519.34
Ti 334.941	-0.5866b	ppb	0.0901	15.4	11.9405

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-8.6411b	ppb	7.1889	83.2	-4.9125
V 292.401	0.2088b	ppb	0.2578	123.4	13.5447
Zn 206.200	18.1941b	ppb	0.7143	3.9	60.1743

680-88758-c-6-c (Samp) **4/10/2013, 9:38:06 PM** **Rack 2, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4808	ppb	1.1576	240.8	-43.5420
Al 308.215	107.492	ppb	16.8117	15.6	364.490
As 188.980	-1.4873	ppb	3.3799	227.3	-0.0739
B 249.678	14.0030	ppb	2.3114	16.5	174.390
Ba 389.178	47.6572	ppb	6.0150	12.6	806.348
Be 313.042	0.2518	ppb	0.0563	22.3	354.829
Ca 370.602	1240	ppb	161.8	13.1	4978
Cd 226.502	-0.0251	ppb	0.1218	486.0	13.1101
Co 228.615	2.2354	ppb	0.2208	9.9	8.6285
Cr 267.716	0.4994	ppb	0.3631	72.7	16.0312
Cu 324.754	2.8969	ppb	0.4007	13.8	208.876
Fe 271.441	16.3668	ppb	3.7562	22.9	8.4751
K 766.491	1562.29	ppb	175.349	11.2	214054
Mg 279.078	2238.21	ppb	294.661	13.2	2731.90
Mn 257.610	51.6989	ppb	6.7647	13.1	5322.69
Mo 202.032	-0.2935	ppb	0.3406	116.0	0.7211
Na 330.237	58632.3	ppb	7162.22	12.2	4174.92
Ni 231.604	1.2768	ppb	0.6745	52.8	5.7268
Pb 220.353	1.6515	ppb	3.1300	189.5	2.2678
Sb 206.834	-1.4041	ppb	5.6560	402.8	3.4724
Se 196.026	1.3194	ppb	3.9026	295.8	4.4597
Sn 189.925	0.4930	ppb	0.4087	82.9	-0.6659
Sr 216.596	21.8086	ppb	2.8694	13.2	129.783
Ti 334.941	-0.6939	ppb	0.0691	10.0	-57.1180
Tl 190.794	0.6944	ppb	5.7235	824.2	-0.0998
V 292.401	-0.0039	ppb	0.3325	8494.1	8.7498
Zn 206.200	5.9894	ppb	1.0845	18.1	20.5414

680-88758-d-7-c (Samp) **4/10/2013, 9:43:33 PM** **Rack 2, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3779	ppb	0.5796	153.4	-40.7828
Al 308.215	2526.79	ppb	58.1561	2.3	7660.36
As 188.980	-2.0377	ppb	5.4805	269.0	-0.3102
B 249.678	13.8627	ppb	1.1479	8.3	171.491
Ba 389.178	140.226	ppb	0.7129	0.5	2395.63
Be 313.042	0.4093	ppb	0.0055	1.4	622.229
Ca 370.602	3614	ppb	10.10	0.3	14516
Cd 226.502	1.1953	ppb	0.2308	19.3	42.7355
Co 228.615	2.0474	ppb	0.5247	25.6	8.1647
Cr 267.716	2.7037	ppb	0.1038	3.8	53.4585
Cu 324.754	3.9642	ppb	0.3435	8.7	243.027
Fe 271.441	645.142	ppb	9.0330	1.4	512.154
K 766.491	2043.54	ppb	4.7316	0.2	279324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	3057.93	ppb	5.6708	0.2	3719.10
Mn 257.610	10.9456	ppb	0.1546	1.4	1178.40
Mo 202.032	-0.0411	ppb	0.6421	1562.8	1.5729
Na 330.237	38658.4	ppb	173.268	0.4	2753.34
Ni 231.604	2.4794	ppb	0.6020	24.3	9.4654
Pb 220.353	0.0905	ppb	3.5033	3869.7	0.8237
Sb 206.834	-1.1289	ppb	1.1891	105.3	3.5961
Se 196.026	-0.7785	ppb	3.0267	388.8	3.8916
Sn 189.925	-1.9704	ppb	1.0987	55.8	-2.2397
Sr 216.596	53.2185	ppb	0.4674	0.9	326.737
Ti 334.941	71.5187	ppb	3.0973	4.3	16434.5
Tl 190.794	-0.9501	ppb	4.2162	443.8	-0.9318
V 292.401	4.1689	ppb	0.0917	2.2	136.326
Zn 206.200	46.1663	ppb	1.9705	4.3	148.566

680-88758-d-8-c (Samp) **4/10/2013, 9:49:00 PM** **Rack 2, Tube 30**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4868b	ppb	0.5287	15.2	-141.880
Al 308.215	8201.06b	ppb	652.451	8.0	24770.9
As 188.980	11.3287b	ppb	7.5530	66.7	2.3446
B 249.678	64.6165b	ppb	5.5044	8.5	636.963
Ba 389.178	225.573b	ppb	19.5696	8.7	4203.32
Be 313.042	34.0024b	ppb	2.6237	7.7	56498.0
Ca 370.602	164132b	ppb	12029	7.3	665821
Cd 226.502	0.3758b	ppb	0.1439	38.3	38.6459
Co 228.615	265.728b	ppb	20.8389	7.8	2247.93
Cr 267.716	2.8936b	ppb	0.5253	18.2	56.1778
Cu 324.754	1.6080b	ppb	0.7912	49.2	-296.334
Fe 271.441	7384.17b	ppb	582.579	7.9	5923.16
K 766.491	9517.82b	ppb	595.103	6.3	1293429
Mg 279.078	180030b	ppb	13760.3	7.6	217311
Mn 257.610	420.891b	ppb	32.6114	7.7	43375.7
Mo 202.032	-0.8180b	ppb	0.4063	49.7	-2.0679
Na 330.237	516922xb	ppb	38080.3	7.4	36769.8
Ni 231.604	204.512b	ppb	14.4588	7.1	632.463
Pb 220.353	-0.0778b	ppb	5.2376	6735.8	0.1183
Sb 206.834	-4.6916b	ppb	0.5441	11.6	3.2511
Se 196.026	-6.5607b	ppb	12.9971	198.1	3.8522
Sn 189.925	1.2688b	ppb	4.2081	331.7	-0.6884
Sr 216.596	1969.27b	ppb	148.150	7.5	12319.4
Ti 334.941	-0.6842b	ppb	0.0213	3.1	114.865
Tl 190.794	-6.9195b	ppb	4.2705	61.7	-5.4519
V 292.401	0.7420b	ppb	0.0814	11.0	30.6076
Zn 206.200	68.3223b	ppb	5.3154	7.8	225.454

680-88808-c-1-c (Samp) **4/10/2013, 9:54:27 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1253	ppb	0.6387	509.8	-32.2390
Al 308.215	10.4614	ppb	2.0939	20.0	71.8842

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-7.8782	ppb	5.2326	66.4	-2.4151
B 249.678	9.5423	ppb	0.4497	4.7	132.505
Ba 389.178	20.3165	ppb	1.9191	9.4	333.871
Be 313.042	0.0619	ppb	0.0154	25.0	43.9303
Ca 370.602	195.3	ppb	2.042	1.0	733.9
Cd 226.502	0.0754	ppb	0.2157	286.2	15.5377
Co 228.615	-0.0931	ppb	0.3094	332.3	-11.1707
Cr 267.716	0.4313	ppb	0.1878	43.6	14.4779
Cu 324.754	2.2524	ppb	0.2342	10.4	186.820
Fe 271.441	1.0707	ppb	8.2736	772.8	-3.8853
K 766.491	1044.73	ppb	25.3646	2.4	143837
Mg 279.078	272.695	ppb	6.8004	2.5	359.527
Mn 257.610	1.6047	ppb	0.0821	5.1	218.779
Mo 202.032	-0.7547	ppb	0.9843	130.4	-0.9452
Na 330.237	3635.84	ppb	148.318	4.1	262.964
Ni 231.604	-0.2019	ppb	1.4575	721.9	1.1387
Pb 220.353	0.5119	ppb	3.4693	677.8	1.3882
Sb 206.834	-1.8134	ppb	4.2922	236.7	3.1840
Se 196.026	6.0698	ppb	12.6175	207.9	5.7285
Sn 189.925	-0.7514	ppb	4.1744	555.6	-1.4729
Sr 216.596	3.5645	ppb	0.8778	24.6	15.6220
Ti 334.941	-0.5398	ppb	0.1382	25.6	-20.0135
Tl 190.794	-8.1760	ppb	3.1365	38.4	-4.4161
V 292.401	0.1115	ppb	0.1213	108.7	12.8339
Zn 206.200	2.5970	ppb	0.5359	20.6	9.6669

680-88808-c-2-c (Samp) **4/10/2013, 9:59:54 PM** **Rack 2, Tube 32**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0580b	ppb	0.3542	610.8	-34.9087
Al 308.215	187.698b	ppb	17.0978	9.1	602.269
As 188.980	-6.3604b	ppb	6.5240	102.6	-2.3421
B 249.678	17.6192b	ppb	1.0394	5.9	121.127
Ba 389.178	314.490b	ppb	26.7650	8.5	5462.36
Be 313.042	3.3651b	ppb	0.3025	9.0	5523.01
Ca 370.602	31815b	ppb	2506	7.9	122432
Cd 226.502	-0.4132b	ppb	0.2684	65.0	79.3538
Co 228.615	27.3038b	ppb	2.6146	9.6	222.428
Cr 267.716	-0.5162b	ppb	0.1797	34.8	-20.0422
Cu 324.754	1.9736b	ppb	0.1329	6.7	103.037
Fe 271.441	35108.4b	ppb	3075.17	8.8	28118.8
K 766.491	9315.48b	ppb	641.314	6.9	1265955
Mg 279.078	23051.3b	ppb	1962.30	8.5	27724.3
Mn 257.610	449.443b	ppb	37.9629	8.4	45903.7
Mo 202.032	0.2911b	ppb	0.7582	260.4	-1.9234
Na 330.237	254915xb	ppb	23241.8	9.1	18118.7
Ni 231.604	36.3661b	ppb	3.8139	10.5	115.689
Pb 220.353	-2.7432b	ppb	1.9670	71.7	-1.3032
Sb 206.834	-4.2090b	ppb	4.6776	111.1	2.8164
Se 196.026	-1.0377b	ppb	13.2084	1272.9	3.5860
Sn 189.925	1.2921b	ppb	3.1058	240.4	-0.2172
Sr 216.596	398.552b	ppb	34.0112	8.5	2504.36
Ti 334.941	-0.6862b	ppb	0.0589	8.6	-29.4024

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-9.1622b	ppb	0.5324	5.8	-7.0391
V 292.401	0.2702b	ppb	0.0549	20.3	22.8257
Zn 206.200	16.8906b	ppb	2.1123	12.5	56.8793

680-88808-c-3-c (Samp) **4/10/2013, 10:05:22 PM** **Rack 2, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0864b	ppb	0.1584	183.3	-27.8752
Al 308.215	187.931b	ppb	3.9306	2.1	604.410
As 188.980	-6.6524b	ppb	7.9807	120.0	-2.4370
B 249.678	16.1529b	ppb	0.6521	4.0	138.017
Ba 389.178	314.759b	ppb	0.6441	0.2	5452.47
Be 313.042	3.3520b	ppb	0.0171	0.5	5501.08
Ca 370.602	31922b	ppb	15.99	0.1	125265
Cd 226.502	-0.2032b	ppb	0.1816	89.4	57.7671
Co 228.615	27.4942b	ppb	1.3074	4.8	223.831
Cr 267.716	-0.2314b	ppb	0.4930	213.1	-8.0440
Cu 324.754	0.5366b	ppb	0.3316	61.8	41.2193
Fe 271.441	22849.0b	ppb	36.3674	0.2	18299.0
K 766.491	9384.45b	ppb	3.5270	0.0	1275314
Mg 279.078	23155.9b	ppb	27.0542	0.1	27895.9
Mn 257.610	450.753b	ppb	0.3551	0.1	46022.4
Mo 202.032	-0.3469b	ppb	0.1317	38.0	-2.5682
Na 330.237	257587xb	ppb	705.720	0.3	18315.1
Ni 231.604	36.5800b	ppb	0.3570	1.0	115.572
Pb 220.353	-0.8830b	ppb	6.7670	766.4	0.1944
Sb 206.834	-5.4205b	ppb	2.3278	42.9	1.6704
Se 196.026	2.2889b	ppb	5.0968	222.7	4.6757
Sn 189.925	2.1661b	ppb	1.6482	76.1	0.3407
Sr 216.596	398.461b	ppb	1.1749	0.3	2497.84
Ti 334.941	-0.6645b	ppb	0.0179	2.7	-24.8979
Tl 190.794	-7.7648b	ppb	8.5767	110.5	-5.7044
V 292.401	0.3492b	ppb	0.0518	14.8	22.4359
Zn 206.200	17.5827b	ppb	1.1531	6.6	58.7776

680-88808-c-4-c (Samp) **4/10/2013, 10:10:49 PM** **Rack 2, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1257	ppb	0.4647	369.8	-32.2762
Al 308.215	5.7812	ppb	1.7686	30.6	57.7282
As 188.980	-4.4073	ppb	4.0105	91.0	-1.1444
B 249.678	9.8842	ppb	0.4912	5.0	134.896
Ba 389.178	38.4352	ppb	0.6062	1.6	646.105
Be 313.042	0.1053	ppb	0.0014	1.3	115.219
Ca 370.602	797.9	ppb	5.098	0.6	3120
Cd 226.502	0.0568	ppb	0.1516	266.7	15.7949
Co 228.615	0.3133	ppb	0.4923	157.2	-7.7100
Cr 267.716	0.0559	ppb	0.2803	501.8	7.8976
Cu 324.754	0.6451	ppb	0.0639	9.9	123.130
Fe 271.441	327.997	ppb	7.3334	2.2	258.002
K 766.491	1238.23	ppb	4.3844	0.4	170087

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	907.217	ppb	6.0186	0.7	1124.21
Mn 257.610	10.2659	ppb	0.0605	0.6	1102.42
Mo 202.032	0.1597	ppb	0.9998	625.9	2.3163
Na 330.237	13125.1	ppb	177.414	1.4	937.771
Ni 231.604	0.3387	ppb	0.8259	243.8	2.8365
Pb 220.353	-0.2109	ppb	2.8430	1347.7	0.8226
Sb 206.834	-3.5285	ppb	2.0390	57.8	2.0311
Se 196.026	-1.9411	ppb	8.9363	460.4	3.5500
Sn 189.925	-0.2243	ppb	4.4121	1967.3	-1.1350
Sr 216.596	11.4539	ppb	0.7369	6.4	65.1476
Ti 334.941	-0.4633	ppb	0.0387	8.4	-2.3767
Tl 190.794	-1.2741	ppb	4.0062	314.4	-1.0745
V 292.401	-0.2209	ppb	0.1337	60.5	2.6102
Zn 206.200	1.7223	ppb	0.3339	19.4	6.9117

680-88808-c-5-c (Samp) **4/10/2013, 10:16:17 PM** **Rack 2, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0310	ppb	0.4750	1531.8	-29.2443
Al 308.215	19.4134	ppb	1.9091	9.8	98.9585
As 188.980	-5.7263	ppb	2.3185	40.5	-2.1957
B 249.678	74.0382	ppb	0.3329	0.4	737.989
Ba 389.178	156.248	ppb	0.4594	0.3	2674.56
Be 313.042	-0.0087	ppb	0.0033	38.1	-61.6316
Ca 370.602	41535	ppb	195.5	0.5	168812
Cd 226.502	0.1380	ppb	0.1172	85.0	16.9847
Co 228.615	0.8033	ppb	0.1065	13.3	-3.4898
Cr 267.716	-0.0571	ppb	0.4029	705.8	6.0898
Cu 324.754	6.3837	ppb	0.3739	5.9	226.664
Fe 271.441	-8.5107	ppb	8.3450	98.1	-11.5188
K 766.491	7492.98	ppb	23.8908	0.3	1018719
Mg 279.078	5725.37	ppb	27.2567	0.5	6941.35
Mn 257.610	1.5459	ppb	0.0415	2.7	227.299
Mo 202.032	1.7914	ppb	0.3049	17.0	8.2590
Na 330.237	6037.11	ppb	149.561	2.5	433.952
Ni 231.604	2.4245	ppb	1.2503	51.6	9.3580
Pb 220.353	2.0179	ppb	5.1959	257.5	2.5607
Sb 206.834	-0.6167	ppb	5.7757	936.5	4.3819
Se 196.026	5.4830	ppb	8.0528	146.9	5.7273
Sn 189.925	-0.3409	ppb	5.5903	1640.0	-1.3708
Sr 216.596	240.255	ppb	1.7708	0.7	1498.45
Ti 334.941	-0.3167	ppb	0.0481	15.2	78.9918
Tl 190.794	-3.2212	ppb	3.1298	97.2	-2.4091
V 292.401	0.8965	ppb	0.3672	41.0	36.3327
Zn 206.200	103.225	ppb	0.1194	0.1	330.418

mb 680-272468/1-a (Samp) **4/10/2013, 10:21:44 PM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1882	ppb	0.2901	154.1	-22.0955
Al 308.215	-2.0489	ppb	0.5367	26.2	34.1514

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-7.8700	ppb	3.9024	49.6	-2.4090
B 249.678	2.0682	ppb	1.4389	69.6	62.3308
Ba 389.178	-1.2938	ppb	1.2127	93.7	-37.1262
Be 313.042	0.0687	ppb	0.0073	10.7	55.4577
Ca 370.602	-4.485	ppb	3.149	70.2	-78.99
Cd 226.502	-0.0382	ppb	0.1288	337.4	12.9441
Co 228.615	0.0803	ppb	0.3387	421.7	-9.7178
Cr 267.716	0.6275	ppb	0.1828	29.1	17.8304
Cu 324.754	4.2177	ppb	0.6789	16.1	263.381
Fe 271.441	3.9519	ppb	2.3575	59.7	-1.5809
K 766.491	2.1978	ppb	1.9053	86.7	2389.17
Mg 279.078	-7.6824	ppb	1.3985	18.2	21.0824
Mn 257.610	-0.4375	ppb	0.0329	7.5	10.1907
Mo 202.032	0.0045	ppb	0.7494	16615.4	1.7991
Na 330.237	75.2531	ppb	156.732	208.3	9.6923
Ni 231.604	-1.2423	ppb	1.0951	88.1	-2.0398
Pb 220.353	2.0952	ppb	3.5636	170.1	2.6243
Sb 206.834	-2.5025	ppb	1.2095	48.3	2.7210
Se 196.026	-8.3700	ppb	5.1328	61.3	1.7947
Sn 189.925	-1.7020	ppb	3.1504	185.1	-2.0821
Sr 216.596	-0.1603	ppb	0.1924	120.0	-7.6585
Ti 334.941	-0.7015	ppb	0.0424	6.0	-56.9379
Tl 190.794	0.0796	ppb	2.9654	3725.9	-0.3896
V 292.401	-0.1682	ppb	0.0756	44.9	4.2690
Zn 206.200	1.0875	ppb	0.3974	36.5	4.8475

Cont Calib Verif (CCV) **4/10/2013, 10:27:12 PM** **Rack 2, Tube 37**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.885	ppb	1.5939	0.3	16097.4	99.57704
Al 308.215	5132.06	ppb	32.9495	0.6	15792.0	102.64114
As 188.980	499.850	ppb	9.4520	1.9	185.546	99.97002
B 249.678	508.786	ppb	3.9201	0.8	4813.20	20.35145Q
Ba 389.178	5117.31	ppb	32.9794	0.6	87757.8	102.34622
Be 313.042	518.251	ppb	2.9989	0.6	865222	103.65013
Ca 370.602	5028	ppb	34.19	0.7	19692	100.56480
Cd 226.502	508.254	ppb	2.3808	0.5	11705.2	101.65071
Co 228.615	509.781	ppb	2.7231	0.5	4324.72	101.95624
Cr 267.716	5144.33	ppb	31.1601	0.6	88492.8	102.88652
Cu 324.754	5155.58	ppb	44.1514	0.9	199386	103.11162
Fe 271.441	4980.28	ppb	26.6260	0.5	4050.61	99.60564
K 766.491	10182.8	ppb	62.7255	0.6	1382263	101.82784
Mg 279.078	5051.37	ppb	33.4157	0.7	6099.37	101.02748
Mn 257.610	5301.77	ppb	31.8865	0.6	539722	106.03546
Mo 202.032	498.884	ppb	3.6370	0.7	1794.87	99.77678
Na 330.237	7512.38	ppb	113.424	1.5	536.806	100.16512
Ni 231.604	2602.70	ppb	12.5092	0.5	7938.15	104.10783
Pb 220.353	501.082	ppb	5.2693	1.1	386.634	100.21641
Sb 206.834	917.308	ppb	9.6592	1.1	659.751	36.69232Q
Se 196.026	4954.82	ppb	35.8412	0.7	1353.97	99.09633
Sn 189.925	4886.61	ppb	28.3159	0.6	3129.80	97.73214
Sr 216.596	2517.44	ppb	15.9097	0.6	15636.3	100.69759
Ti 334.941	499.505	ppb	2.5696	0.5	114498	99.90097

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4953.91	ppb	17.7558	0.4	2420.99	99.07820
V 292.401	4999.23	ppb	34.1754	0.7	151272	99.98453
Zn 206.200	2583.16	ppb	13.6568	0.5	8210.06	103.32642

Cont Calib Blank (CCB) **4/10/2013, 10:32:39 PM** **Rack 2, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0134	ppb	0.4163	3114.2	-27.7509	0.01337
Al 308.215	-1.0406	ppb	3.8423	369.2	37.2330	-1.04062
As 188.980	-1.7829	ppb	8.6143	483.2	-0.1654	-1.78294
B 249.678	1.1575	ppb	0.4122	35.6	53.7766	1.15753
Ba 389.178	-0.5755	ppb	0.1479	25.7	-24.8087	-0.57548
Be 313.042	0.0334	ppb	0.0141	42.4	-2.9971	0.03337
Ca 370.602	-0.9040	ppb	2.459	272.0	-64.42	-0.90397
Cd 226.502	-0.0270	ppb	0.2205	815.5	13.2006	-0.02704
Co 228.615	0.1461	ppb	0.1517	103.8	-9.1654	0.14610
Cr 267.716	0.3818	ppb	0.0622	16.3	13.5981	0.38175
Cu 324.754	0.4539	ppb	0.1244	27.4	117.826	0.45391
Fe 271.441	4.8369	ppb	8.1427	168.3	-0.8662	4.83687
K 766.491	0.9433	ppb	0.2358	25.0	2218.70	0.94327
Mg 279.078	-10.3238	ppb	5.7699	55.9	17.8926	-10.32381
Mn 257.610	0.0363	ppb	0.0945	260.0	58.4198	0.03633
Mo 202.032	0.8849	ppb	0.7033	79.5	4.9805	0.88491
Na 330.237	-49.9591	ppb	46.0378	92.2	0.7834	-49.95906
Ni 231.604	0.3211	ppb	0.1834	57.1	2.7268	0.32111
Pb 220.353	-0.6513	ppb	6.3064	968.2	0.4803	-0.65134
Sb 206.834	-3.9334	ppb	1.2286	31.2	1.7510	-3.93337
Se 196.026	-1.0037	ppb	0.2746	27.4	3.8002	-1.00370
Sn 189.925	0.1909	ppb	1.2597	659.9	-0.8694	0.19089
Sr 216.596	-0.1687	ppb	0.3760	222.9	-7.7802	-0.16872
Ti 334.941	-0.5979	ppb	0.0443	7.4	-33.2730	-0.59789
Tl 190.794	0.3749	ppb	3.7043	988.0	-0.2455	0.37492
V 292.401	0.3966	ppb	0.1669	42.1	21.2939	0.39665
Zn 206.200	0.2596	ppb	0.6859	264.2	2.2104	0.25963

lcs 680-272468/2-a (Samp) **4/10/2013, 10:38:06 PM** **Rack 2, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3117	ppb	0.5299	170.0	-38.2877
Al 308.215	-6.3589	ppb	3.4214	53.8	21.1501
As 188.980	-6.9015	ppb	5.7301	83.0	-2.0523
B 249.678	2.9927	ppb	1.6730	55.9	71.0245
Ba 389.178	-1.4168	ppb	1.4777	104.3	-39.2410
Be 313.042	0.0619	ppb	0.0337	54.5	44.2508
Ca 370.602	-5.616	ppb	2.984	53.1	-82.79
Cd 226.502	-0.2549	ppb	0.1235	48.5	7.9559
Co 228.615	-0.1099	ppb	0.2939	267.4	-11.3241
Cr 267.716	0.9560	ppb	0.1295	13.5	23.4834
Cu 324.754	4.0155	ppb	0.8344	20.8	255.565
Fe 271.441	1.0096	ppb	6.8704	680.5	-3.9385
K 766.491	0.9134	ppb	1.8865	206.5	2214.94

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-9.3476	ppb	3.5294	37.8	19.0876
Mn 257.610	-0.5241	ppb	0.0614	11.7	1.3742
Mo 202.032	-0.0975	ppb	0.5696	584.4	1.4307
Na 330.237	-17.1024	ppb	164.481	961.7	3.1238
Ni 231.604	0.0199	ppb	0.1964	989.3	1.8062
Pb 220.353	-0.2858	ppb	3.5724	1250.2	0.7668
Sb 206.834	-1.8095	ppb	2.0477	113.2	3.1888
Se 196.026	0.4174	ppb	5.4650	1309.4	4.1870
Sn 189.925	-0.4516	ppb	2.2851	506.0	-1.2810
Sr 216.596	-0.1267	ppb	1.5130	1194.5	-7.4884
Ti 334.941	-0.7539	ppb	0.0306	4.1	-68.8883
Tl 190.794	-2.0814	ppb	2.5223	121.2	-1.4422
V 292.401	0.0233	ppb	0.2137	918.2	10.2295
Zn 206.200	0.2739	ppb	0.6567	239.7	2.2549

lcs 680-272468/3-a (Samp) **4/10/2013, 10:43:33 PM** **Rack 2, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4391	ppb	0.4110	93.6	-42.4095
Al 308.215	-2.3731	ppb	6.2423	263.0	33.1726
As 188.980	-5.1017	ppb	4.0152	78.7	-1.3887
B 249.678	2.9746	ppb	0.3518	11.8	70.8392
Ba 389.178	-0.6569	ppb	0.8411	128.0	-26.2046
Be 313.042	-0.0120	ppb	0.0028	23.4	-78.6817
Ca 370.602	-5.187	ppb	1.183	22.8	-81.84
Cd 226.502	0.1647	ppb	0.1804	109.5	17.6070
Co 228.615	0.1394	ppb	0.2503	179.6	-9.2141
Cr 267.716	0.1953	ppb	0.2821	144.5	10.3923
Cu 324.754	-0.1090	ppb	0.1325	121.6	96.0699
Fe 271.441	3.6735	ppb	1.1472	31.2	-1.8054
K 766.491	1.2589	ppb	0.4015	31.9	2261.61
Mg 279.078	-8.7877	ppb	3.9025	44.4	19.7483
Mn 257.610	-0.4637	ppb	0.0188	4.1	7.5310
Mo 202.032	0.0390	ppb	1.2397	3180.2	1.9236
Na 330.237	50.3286	ppb	41.6960	82.8	7.9196
Ni 231.604	-0.6019	ppb	1.3934	231.5	-0.0876
Pb 220.353	0.4753	ppb	3.9461	830.3	1.3605
Sb 206.834	0.1976	ppb	0.6579	333.0	4.5387
Se 196.026	1.8400	ppb	11.8326	643.1	4.5743
Sn 189.925	-2.4617	ppb	3.6016	146.3	-2.5687
Sr 216.596	-0.2012	ppb	0.8076	401.3	-7.9353
Ti 334.941	-0.7191	ppb	0.0658	9.1	-60.9716
Tl 190.794	-1.2136	ppb	3.7072	305.5	-1.0200
V 292.401	-0.1199	ppb	0.0742	61.9	5.7924
Zn 206.200	1.1890	ppb	0.3261	27.4	5.1726

lb 680-271636/18-d (Samp) **4/10/2013, 10:49:00 PM** **Rack 2, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4173b	ppb	0.6073	145.5	-41.7013
Al 308.215	-2.3199b	ppb	1.6795	72.4	33.3203

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-5.6604b	ppb	7.3717	130.2	-1.5995
B 249.678	39.9839b	ppb	0.5702	1.4	418.274
Ba 389.178	-0.3312b	ppb	0.4162	125.7	-20.4972
Be 313.042	-0.0005b	ppb	0.0074	1479.5	-71.1803
Ca 370.602	324.0b	ppb	2.821	0.9	1258
Cd 226.502	-0.0966b	ppb	0.1624	168.2	11.1933
Co 228.615	-0.3277b	ppb	0.2740	83.6	-13.1780
Cr 267.716	-0.0327b	ppb	0.4260	1300.8	7.2015
Cu 324.754	0.1052b	ppb	0.5120	486.6	103.398
Fe 271.441	-5.0384b	ppb	11.6711	231.6	-8.8022
K 766.491	95.7013b	ppb	0.4429	0.5	15075.8
Mg 279.078	61.5576b	ppb	7.2994	11.9	104.690
Mn 257.610	-0.2740b	ppb	0.0148	5.4	26.7460
Mo 202.032	-0.0391b	ppb	0.4866	1244.6	1.6427
Na 330.237	123486xb	ppb	792.535	0.6	8788.02
Ni 231.604	-0.1908b	ppb	0.9790	513.2	1.1681
Pb 220.353	0.9296b	ppb	2.5484	274.1	1.7155
Sb 206.834	-1.5255b	ppb	1.6140	105.8	3.3710
Se 196.026	-1.7120b	ppb	13.7087	800.7	3.6089
Sn 189.925	2.0326b	ppb	0.6916	34.0	0.3405
Sr 216.596	0.2999b	ppb	1.0270	342.4	-4.7992
Ti 334.941	-0.7587b	ppb	0.0412	5.4	-76.8828
Tl 190.794	-0.8842b	ppb	7.4279	840.1	-0.8626
V 292.401	-0.1645b	ppb	0.3147	191.3	3.5548
Zn 206.200	1.1841b	ppb	0.2909	24.6	5.1596

680-88866-a-39-h (Samp) **4/10/2013, 10:54:28 PM** **Rack 2, Tube 42**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4334b	ppb	0.5032	116.1	-40.9167
Al 308.215	89.5555b	ppb	8.4785	9.5	310.402
As 188.980	-4.3856b	ppb	2.7607	62.9	-1.2791
B 249.678	60.1345b	ppb	2.8210	4.7	607.527
Ba 389.178	50.8864b	ppb	2.2222	4.4	864.618
Be 313.042	0.1809b	ppb	0.0325	17.9	233.638
Ca 370.602	11086b	ppb	534.4	4.8	45021
Cd 226.502	0.3470b	ppb	0.0926	26.7	21.4275
Co 228.615	4.2812b	ppb	0.2211	5.2	26.0189
Cr 267.716	0.3334b	ppb	0.0602	18.0	13.8900
Cu 324.754	4.2281b	ppb	0.5247	12.4	231.793
Fe 271.441	2.8033b	ppb	4.3095	153.7	-2.2926
K 766.491	2042.37b	ppb	76.4795	3.7	279192
Mg 279.078	3787.47b	ppb	182.543	4.8	4601.59
Mn 257.610	293.997b	ppb	14.4936	4.9	29989.0
Mo 202.032	0.0056b	ppb	0.3535	6294.4	1.8043
Na 330.237	124554xb	ppb	4526.73	3.6	8864.00
Ni 231.604	1.6527b	ppb	0.9452	57.2	6.9301
Pb 220.353	-1.2324b	ppb	2.4096	195.5	0.0189
Sb 206.834	0.8715b	ppb	4.6389	532.3	5.1014
Se 196.026	-9.4497b	ppb	12.9686	137.2	1.6131
Sn 189.925	-0.4369b	ppb	4.4189	1011.5	-1.2834
Sr 216.596	115.075b	ppb	6.5611	5.7	713.826
Ti 334.941	-0.6679b	ppb	0.0272	4.1	-43.5433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-0.3411b	ppb	4.7259	1385.7	-0.6975
V 292.401	0.1887b	ppb	0.3179	168.5	13.6276
Zn 206.200	15.8631b	ppb	1.2464	7.9	52.0485

680-88866-a-39-hSD^5 (Samp) **4/10/2013, 10:59:55 PM** **Rack 2, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2206	ppb	0.8438	382.6	-20.7934
Al 308.215	14.1481	ppb	1.2364	8.7	82.9828
As 188.980	-2.7685	ppb	5.3766	194.2	-0.5579
B 249.678	11.1995	ppb	0.6651	5.9	148.082
Ba 389.178	9.2798	ppb	0.9431	10.2	145.503
Be 313.042	0.0158	ppb	0.0041	25.6	-34.0443
Ca 370.602	2073	ppb	17.57	0.8	8370
Cd 226.502	0.0136	ppb	0.0298	219.4	14.0583
Co 228.615	0.7004	ppb	0.1726	24.6	-4.4375
Cr 267.716	-0.0028	ppb	0.4721	17059.0	7.1944
Cu 324.754	0.7807	ppb	0.1684	21.6	124.491
Fe 271.441	-0.8700	ppb	6.9478	798.6	-5.4070
K 766.491	356.908	ppb	1.3895	0.4	50514.4
Mg 279.078	713.822	ppb	7.5866	1.1	891.909
Mn 257.610	55.3466	ppb	0.4121	0.7	5690.04
Mo 202.032	-0.3784	ppb	1.1409	301.5	0.4158
Na 330.237	22572.4	ppb	87.1083	0.4	1609.94
Ni 231.604	1.6161	ppb	0.8621	53.3	6.7009
Pb 220.353	-2.2639	ppb	2.8044	123.9	-0.7784
Sb 206.834	-1.1547	ppb	5.9317	513.7	3.6390
Se 196.026	-10.1695	ppb	14.6515	144.1	1.3261
Sn 189.925	1.9421	ppb	4.3349	223.2	0.2501
Sr 216.596	21.5797	ppb	0.6028	2.8	128.372
Ti 334.941	-0.7470	ppb	0.0665	8.9	-66.2376
Tl 190.794	-1.1553	ppb	1.1173	96.7	-1.0107
V 292.401	-0.2166	ppb	0.0529	24.4	2.6495
Zn 206.200	2.9180	ppb	0.4145	14.2	10.7058

680-88866-a-39-hPDS (Samp) **4/10/2013, 11:05:22 PM** **Rack 2, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.4441b	ppb	0.2822	0.6	1606.16
Al 308.215	2179.58b	ppb	1.7826	0.1	6651.81
As 188.980	2100.10b	ppb	18.2248	0.9	774.511
B 249.678	1047.65b	ppb	1.7965	0.2	9881.82
Ba 389.178	2136.37b	ppb	4.0413	0.2	36632.1
Be 313.042	53.7082b	ppb	0.1126	0.2	89551.3
Ca 370.602	15487b	ppb	14.56	0.1	62856
Cd 226.502	52.7344b	ppb	0.0870	0.2	1227.77
Co 228.615	527.108b	ppb	4.7643	0.9	4475.75
Cr 267.716	210.575b	ppb	1.1117	0.5	3628.88
Cu 324.754	269.955b	ppb	1.0098	0.4	10487.0
Fe 271.441	1008.55b	ppb	12.0016	1.2	834.453
K 766.491	7851.70b	ppb	13.2503	0.2	1066825

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	8664.09b	ppb	17.5718	0.2	10483.2
Mn 257.610	816.273b	ppb	1.2856	0.2	83174.4
Mo 202.032	526.240b	ppb	0.9911	0.2	1903.00
Na 330.237	123196xb	ppb	725.959	0.6	8759.96
Ni 231.604	525.170b	ppb	3.6972	0.7	1603.67
Pb 220.353	502.714b	ppb	5.8803	1.2	392.152
Sb 206.834	474.998b	ppb	8.1101	1.7	322.249
Se 196.026	2056.72b	ppb	4.0912	0.2	564.244
Sn 189.925	1005.25b	ppb	4.0637	0.4	643.267
Sr 216.596	624.871b	ppb	4.2664	0.7	3875.02
Ti 334.941	1007.66b	ppb	1.6468	0.2	230196
Tl 190.794	2031.03b	ppb	1.3362	0.1	991.260
V 292.401	510.948b	ppb	0.9128	0.2	15380.0
Zn 206.200	533.783b	ppb	0.4251	0.1	1701.30

680-88866-a-39-i ms (Samp) **4/10/2013, 11:10:49 PM** **Rack 2, Tube 45**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	41.2233b	ppb	1.4434	3.5	1309.90
Al 308.215	916.726b	ppb	38.9461	4.2	2810.07
As 188.980	76.2741b	ppb	3.7983	5.0	28.3871
B 249.678	203.539b	ppb	7.7604	3.8	1935.09
Ba 389.178	116.409b	ppb	4.2793	3.7	2011.72
Be 313.042	83.9964b	ppb	3.1216	3.7	139706
Ca 370.602	16710b	ppb	606.3	3.6	66385
Cd 226.502	81.8813b	ppb	3.0783	3.8	1912.26
Co 228.615	84.0083b	ppb	2.8976	3.4	703.376
Cr 267.716	82.5384b	ppb	3.2488	3.9	1424.13
Cu 324.754	86.6765b	ppb	3.3944	3.9	3407.63
Fe 271.441	7853.42b	ppb	308.936	3.9	6290.82
K 766.491	10435.7b	ppb	306.309	2.9	1418013
Mg 279.078	10927.7b	ppb	412.923	3.8	13189.8
Mn 257.610	1076.90b	ppb	36.8651	3.4	109706
Mo 202.032	80.7698b	ppb	2.8338	3.5	292.550
Na 330.237	105837xb	ppb	3043.17	2.9	7528.15
Ni 231.604	82.7792b	ppb	3.3049	4.0	254.921
Pb 220.353	78.2963b	ppb	5.7399	7.3	61.7913
Sb 206.834	73.8795b	ppb	2.3280	3.2	55.4162
Se 196.026	82.1722b	ppb	13.4625	16.4	26.6494
Sn 189.925	76.2675b	ppb	3.7646	4.9	47.8536
Sr 216.596	168.983b	ppb	6.0842	3.6	1050.62
Ti 334.941	78.7416b	ppb	3.0341	3.9	18100.7
Tl 190.794	12.2064b	ppb	2.2899	18.8	5.1333
V 292.401	81.1004b	ppb	3.0561	3.8	2444.92
Zn 206.200	95.2234b	ppb	3.2289	3.4	304.976

680-88866-a-39-j msd (Samp) **4/10/2013, 11:16:17 PM** **Rack 2, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	40.3027b	ppb	1.0293	2.6	1280.08
Al 308.215	915.912b	ppb	22.2722	2.4	2807.60

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	70.5744b	ppb	5.9713	8.5	26.2847
B 249.678	201.433b	ppb	3.6671	1.8	1915.33
Ba 389.178	116.347b	ppb	2.4459	2.1	2010.65
Be 313.042	83.5611b	ppb	1.9245	2.3	138981
Ca 370.602	16786b	ppb	375.7	2.2	66695
Cd 226.502	82.0692b	ppb	1.8189	2.2	1916.57
Co 228.615	83.8089b	ppb	1.6477	2.0	701.678
Cr 267.716	82.1414b	ppb	2.6224	3.2	1417.31
Cu 324.754	86.4990b	ppb	2.0530	2.4	3400.55
Fe 271.441	7844.75b	ppb	189.590	2.4	6283.88
K 766.491	10398.1b	ppb	189.472	1.8	1412906
Mg 279.078	10913.3b	ppb	248.209	2.3	13172.5
Mn 257.610	1076.50b	ppb	24.5981	2.3	109666
Mo 202.032	80.7788b	ppb	1.2375	1.5	292.584
Na 330.237	106504xb	ppb	2897.67	2.7	7575.61
Ni 231.604	83.0682b	ppb	2.5151	3.0	255.803
Pb 220.353	84.0701b	ppb	5.4694	6.5	66.2974
Sb 206.834	70.2445b	ppb	2.4814	3.5	52.9592
Se 196.026	75.1330b	ppb	5.3994	7.2	24.7332
Sn 189.925	74.0602b	ppb	1.5035	2.0	46.4393
Sr 216.596	170.155b	ppb	3.8434	2.3	1057.94
Ti 334.941	78.6400b	ppb	1.8456	2.3	18077.5
Tl 190.794	10.1968b	ppb	2.5704	25.2	4.1521
V 292.401	80.6497b	ppb	1.7455	2.2	2431.24
Zn 206.200	94.0474b	ppb	2.1366	2.3	301.233

mb 680-272516/1-a (Samp) **4/10/2013, 11:21:44 PM** **Rack 2, Tube 47**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3389	ppb	0.6739	198.8	-17.2138
Al 308.215	8.5334	ppb	3.5634	41.8	66.0757
As 188.980	-6.6168	ppb	7.8390	118.5	-1.9475
B 249.678	2.0991	ppb	0.7912	37.7	62.5731
Ba 389.178	-1.6391	ppb	1.3851	84.5	-42.9710
Be 313.042	-0.0089	ppb	0.0110	122.9	-73.5887
Ca 370.602	21.61	ppb	2.491	11.5	23.63
Cd 226.502	0.0908	ppb	0.2151	236.9	15.9481
Co 228.615	0.0120	ppb	0.4185	3492.1	-10.3040
Cr 267.716	1.1965	ppb	0.2828	23.6	27.6116
Cu 324.754	-0.0342	ppb	0.2681	783.6	98.8976
Fe 271.441	22.2237	ppb	3.3145	14.9	13.0532
K 766.491	15.6676	ppb	0.4040	2.6	4216.92
Mg 279.078	16.4678	ppb	5.3273	32.3	50.1666
Mn 257.610	-0.0348	ppb	0.0517	148.5	51.2713
Mo 202.032	0.6046	ppb	0.2549	42.1	3.9659
Na 330.237	63.2207	ppb	209.996	332.2	8.8275
Ni 231.604	0.1601	ppb	1.0616	663.3	2.2350
Pb 220.353	0.0615	ppb	3.5661	5796.6	1.0351
Sb 206.834	-1.4334	ppb	3.3719	235.2	3.4097
Se 196.026	2.7970	ppb	3.0466	108.9	4.8349
Sn 189.925	19.4898	ppb	3.6577	18.8	11.4948
Sr 216.596	-0.7327	ppb	0.3933	53.7	-11.2860
Ti 334.941	-0.4992	ppb	0.0347	7.0	10.6884

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-2.7025	ppb	3.2052	118.6	-1.7475
V 292.401	-0.0229	ppb	0.1230	537.5	8.6025
Zn 206.200	2.1301	ppb	0.4551	21.4	8.1681

lcs 680-272516/2-a (Samp) **4/10/2013, 11:27:12 PM** **Rack 2, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.9844	ppb	0.3751	2.7	425.719
Al 308.215	5365.14	ppb	10.6943	0.2	16227.1
As 188.980	102.957	ppb	13.4095	13.0	38.3925
B 249.678	197.326	ppb	0.4445	0.2	1882.63
Ba 389.178	107.278	ppb	0.8635	0.8	1841.36
Be 313.042	55.1583	ppb	0.1706	0.3	91754.7
Ca 370.602	5213	ppb	1.919	0.0	20157
Cd 226.502	53.7912	ppb	0.2944	0.5	1261.45
Co 228.615	53.6156	ppb	0.6799	1.3	445.016
Cr 267.716	109.018	ppb	0.4147	0.4	1879.99
Cu 324.754	110.426	ppb	0.2354	0.2	4357.38
Fe 271.441	5140.73	ppb	22.2278	0.4	4116.67
K 766.491	5229.99	ppb	9.5983	0.2	711683
Mg 279.078	5215.98	ppb	11.6214	0.2	6306.37
Mn 257.610	562.164	ppb	1.1177	0.2	57295.8
Mo 202.032	106.646	ppb	1.3543	1.3	386.469
Na 330.237	5011.66	ppb	71.2796	1.4	357.560
Ni 231.604	107.035	ppb	0.5221	0.5	328.498
Pb 220.353	53.9210	ppb	2.0315	3.8	42.3212
Sb 206.834	41.5208	ppb	1.5613	3.8	33.0763
Se 196.026	111.244	ppb	3.4579	3.1	34.4528
Sn 189.925	211.484	ppb	3.7692	1.8	134.508
Sr 216.596	105.017	ppb	0.3773	0.4	647.183
Ti 334.941	104.160	ppb	0.2924	0.3	23898.3
Tl 190.794	34.0689	ppb	3.5301	10.4	15.9694
V 292.401	106.090	ppb	0.3125	0.3	3196.66
Zn 206.200	106.750	ppb	1.2927	1.2	341.325

Cont Calib Verif (CCV) **4/10/2013, 11:32:40 PM** **Rack 2, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.348	ppb	1.2453	0.3	16047.6	99.26959
Al 308.215	5148.66	ppb	7.7814	0.2	15842.2	102.97315
As 188.980	486.606	ppb	8.6780	1.8	180.666	97.32113
B 249.678	510.076	ppb	0.9825	0.2	4825.32	20.40305Q
Ba 389.178	5113.75	ppb	6.3205	0.1	87696.8	102.27500
Be 313.042	519.065	ppb	0.9594	0.2	866579	103.81307
Ca 370.602	5034	ppb	7.608	0.2	19715	100.67062
Cd 226.502	507.277	ppb	0.7195	0.1	11682.8	101.45540
Co 228.615	509.228	ppb	1.3590	0.3	4320.01	101.84563
Cr 267.716	5143.15	ppb	13.0157	0.3	88472.5	102.86299
Cu 324.754	5114.93	ppb	20.1205	0.4	197814	102.29866
Fe 271.441	4972.62	ppb	15.1624	0.3	4044.49	99.45236
K 766.491	10177.5	ppb	12.6560	0.1	1381549	101.77526

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	5076.66	ppb	6.5299	0.1	6129.91	101.53321
Mn 257.610	5299.34	ppb	10.5405	0.2	539475	105.98682
Mo 202.032	504.523	ppb	0.5721	0.1	1815.25	100.90465
Na 330.237	7397.76	ppb	101.519	1.4	528.662	98.63683
Ni 231.604	2600.07	ppb	6.6986	0.3	7930.13	104.00278
Pb 220.353	503.278	ppb	2.4826	0.5	388.339	100.65553
Sb 206.834	909.928	ppb	4.2857	0.5	654.788	36.39712Q
Se 196.026	4949.54	ppb	20.3503	0.4	1352.54	98.99080
Sn 189.925	4885.69	ppb	7.2695	0.1	3129.21	97.71384
Sr 216.596	2521.44	ppb	3.5210	0.1	15661.4	100.85770
Ti 334.941	499.382	ppb	0.9274	0.2	114471	99.87632
Tl 190.794	4933.26	ppb	17.1391	0.3	2410.92	98.66525
V 292.401	5003.21	ppb	6.9898	0.1	151392	100.06419
Zn 206.200	2584.60	ppb	7.7678	0.3	8214.62	103.38403

Cont Calib Blank (CCB) **4/10/2013, 11:38:07 PM** **Rack 2, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1451	ppb	0.2917	201.0	-23.4826	0.14514
Al 308.215	-1.7855	ppb	6.6724	373.7	34.9792	-1.78548
As 188.980	-7.0520	ppb	1.6295	23.1	-2.1077	-7.05203
B 249.678	1.2388	ppb	0.7424	59.9	54.5660	1.23877
Ba 389.178	-0.2842	ppb	0.0806	28.4	-19.8175	-0.28421
Be 313.042	0.0373	ppb	0.0077	20.8	3.6654	0.03727
Ca 370.602	-5.030	ppb	1.643	32.7	-79.78	-5.03018
Cd 226.502	-0.0683	ppb	0.2453	359.1	12.2368	-0.06831
Co 228.615	-0.0382	ppb	0.1706	446.2	-10.7207	-0.03824
Cr 267.716	0.5061	ppb	0.1669	33.0	15.7404	0.50611
Cu 324.754	0.5736	ppb	0.0639	11.1	122.452	0.57364
Fe 271.441	-2.9620	ppb	3.9300	132.7	-7.1075	-2.96200
K 766.491	1.7315	ppb	0.3122	18.0	2325.62	1.73146
Mg 279.078	-3.6398	ppb	4.9912	137.1	25.9872	-3.63983
Mn 257.610	0.1064	ppb	0.0419	39.4	65.5571	0.10640
Mo 202.032	0.6361	ppb	0.9837	154.7	4.0817	0.63608
Na 330.237	-105.152	ppb	64.2013	61.1	-3.1386	-105.15170
Ni 231.604	-0.2126	ppb	0.5725	269.3	1.0974	-0.21262
Pb 220.353	-2.4921	ppb	1.9085	76.6	-0.9554	-2.49211
Sb 206.834	-0.6226	ppb	1.3361	214.6	3.9824	-0.62263
Se 196.026	-3.1913	ppb	13.3909	419.6	3.2048	-3.19133
Sn 189.925	-1.3514	ppb	3.6057	266.8	-1.8575	-1.35142
Sr 216.596	0.2735	ppb	0.7722	282.4	-4.9832	0.27346
Ti 334.941	-0.5995	ppb	0.0392	6.5	-33.6555	-0.59954
Tl 190.794	-0.9885	ppb	2.8359	286.9	-0.9088	-0.98847
V 292.401	0.5604	ppb	0.1164	20.8	26.4354	0.56036
Zn 206.200	0.4529	ppb	0.6529	144.2	2.8264	0.45293

lcs 680-272516/3-a (Samp) **4/10/2013, 11:43:34 PM** **Rack 2, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	206.373	ppb	8.3364	4.0	6660.84
Al 308.215	2269.15	ppb	29.1476	1.3	6896.88

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	202.990	ppb	9.8822	4.9	75.0565
B 249.678	390.190	ppb	5.0374	1.3	3656.05
Ba 389.178	199.918	ppb	2.9979	1.5	3479.15
Be 313.042	215.953	ppb	2.9978	1.4	359292
Ca 370.602	20892	ppb	263.5	1.3	80873
Cd 226.502	207.337	ppb	3.7610	1.8	4824.05
Co 228.615	208.682	ppb	2.7409	1.3	1762.60
Cr 267.716	214.710	ppb	3.3829	1.6	3690.75
Cu 324.754	215.415	ppb	7.5597	3.5	8380.18
Fe 271.441	20958.3	ppb	295.843	1.4	16795.4
K 766.491	20381.8	ppb	196.927	1.0	2767507
Mg 279.078	20822.1	ppb	240.710	1.2	25082.6
Mn 257.610	2190.51	ppb	30.4650	1.4	223099
Mo 202.032	211.216	ppb	3.9867	1.9	762.090
Na 330.237	18694.8	ppb	323.426	1.7	1322.11
Ni 231.604	214.536	ppb	3.6841	1.7	657.647
Pb 220.353	199.486	ppb	8.6736	4.3	155.895
Sb 206.834	186.188	ppb	5.2240	2.8	132.796
Se 196.026	198.627	ppb	6.8920	3.5	58.4438
Sn 189.925	218.338	ppb	1.6835	0.8	138.870
Sr 216.596	217.906	ppb	3.8440	1.8	1355.86
Ti 334.941	206.884	ppb	2.9001	1.4	47377.5
Tl 190.794	36.2265	ppb	2.2496	6.2	16.4018
V 292.401	211.781	ppb	2.7776	1.3	6372.74
Zn 206.200	198.757	ppb	2.7140	1.4	634.939

660-53619-a-1-a (Samp) **4/10/2013, 11:49:01 PM** **Rack 2, Tube 52**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9920	ppb	0.4136	13.8	68.7039
Al 308.215	183.433	ppb	4.0280	2.2	593.514
As 188.980	-6.9042	ppb	4.2301	61.3	-2.0536
B 249.678	7.2565	ppb	0.6517	9.0	111.023
Ba 389.178	-0.9959	ppb	0.2044	20.5	-32.0026
Be 313.042	0.0029	ppb	0.0099	346.2	-54.0356
Ca 370.602	26.96	ppb	1.479	5.5	48.65
Cd 226.502	0.1128	ppb	0.1505	133.4	16.4303
Co 228.615	-0.1728	ppb	0.3148	182.2	-11.8598
Cr 267.716	0.8911	ppb	0.1679	18.8	22.3673
Cu 324.754	16.4854	ppb	0.4819	2.9	737.699
Fe 271.441	5.4711	ppb	8.3839	153.2	-0.3664
K 766.491	110.201	ppb	1.6362	1.5	17043.5
Mg 279.078	-0.9599	ppb	2.4444	254.7	29.1884
Mn 257.610	-0.2219	ppb	0.0607	27.3	32.1735
Mo 202.032	1.2049	ppb	0.2363	19.6	6.1405
Na 330.237	97.0149	ppb	38.6227	39.8	11.2377
Ni 231.604	0.4056	ppb	0.6663	164.3	2.9832
Pb 220.353	-0.4589	ppb	1.4876	324.2	0.6133
Sb 206.834	1.6512	ppb	1.3002	78.7	5.4434
Se 196.026	-1.4101	ppb	11.4635	812.9	3.6902
Sn 189.925	38.4612	ppb	1.9689	5.1	23.6494
Sr 216.596	-0.1470	ppb	0.5649	384.4	-7.6552
Ti 334.941	1.1751	ppb	0.0768	6.5	371.538

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.5008	ppb	2.1822	145.4	0.3017
V 292.401	-0.0552	ppb	0.3256	590.2	7.5874
Zn 206.200	8.4274	ppb	0.6705	8.0	28.2289

660-53619-a-3-a (Samp) **4/10/2013, 11:54:28 PM** **Rack 2, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2230	ppb	0.3271	146.7	-35.4355
Al 308.215	9.1255	ppb	1.6396	18.0	67.8400
As 188.980	-7.2259	ppb	8.9040	123.2	-2.1725
B 249.678	1.4366	ppb	0.3088	21.5	56.1785
Ba 389.178	-1.1459	ppb	0.3306	28.8	-34.4575
Be 313.042	-0.0060	ppb	0.0031	51.0	-68.7587
Ca 370.602	30.19	ppb	2.542	8.4	44.12
Cd 226.502	0.2883	ppb	0.1401	48.6	20.6471
Co 228.615	0.2438	ppb	0.3202	131.3	-8.3185
Cr 267.716	1.1826	ppb	0.0849	7.2	27.3294
Cu 324.754	3.2776	ppb	0.1022	3.1	226.970
Fe 271.441	96.0877	ppb	4.6572	4.8	72.2319
K 766.491	19.5508	ppb	0.3285	1.7	4743.65
Mg 279.078	3.7985	ppb	4.7373	124.7	34.5976
Mn 257.610	0.3515	ppb	0.0096	2.7	90.6648
Mo 202.032	-0.2803	ppb	1.1421	407.4	0.7568
Na 330.237	64.6889	ppb	73.3118	113.3	8.9006
Ni 231.604	0.4072	ppb	1.0186	250.2	2.9948
Pb 220.353	22.5240	ppb	3.9592	17.6	18.5647
Sb 206.834	-2.2224	ppb	2.7857	125.3	2.7870
Se 196.026	-7.0079	ppb	10.6208	151.6	2.1645
Sn 189.925	64.8412	ppb	3.1514	4.9	40.5501
Sr 216.596	-0.4085	ppb	0.7456	182.5	-9.2281
Ti 334.941	0.7935	ppb	0.0483	6.1	284.462
Tl 190.794	1.9963	ppb	3.5462	177.6	0.5414
V 292.401	-0.0343	ppb	0.2427	708.5	8.4065
Zn 206.200	11.6229	ppb	0.2095	1.8	38.4101

700-75803-a-1-a (Samp) **4/10/2013, 11:59:55 PM** **Rack 2, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9350	ppb	0.3723	39.8	-58.4909
Al 308.215	4.3831	ppb	2.3578	53.8	53.5607
As 188.980	-8.7225	ppb	4.3957	50.4	-2.7241
B 249.678	1.3562	ppb	0.6229	45.9	55.6339
Ba 389.178	-0.7871	ppb	0.8251	104.8	-28.4193
Be 313.042	-0.0125	ppb	0.0068	54.2	-79.4753
Ca 370.602	21.38	ppb	3.684	17.2	25.95
Cd 226.502	0.1394	ppb	0.1555	111.6	17.0310
Co 228.615	-0.3037	ppb	0.3619	119.2	-12.9397
Cr 267.716	1.0973	ppb	0.6987	63.7	25.9151
Cu 324.754	6.8759	ppb	0.6036	8.8	366.094
Fe 271.441	6.1046	ppb	6.4303	105.3	0.1342
K 766.491	20.6569	ppb	2.2236	10.8	4893.65

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	1.6853	ppb	1.4603	86.7	32.3779
Mn 257.610	-0.2486	ppb	0.0270	10.9	29.4851
Mo 202.032	0.7987	ppb	0.6657	83.3	4.6694
Na 330.237	392.568	ppb	144.939	36.9	32.2376
Ni 231.604	1.1488	ppb	0.2958	25.8	5.2467
Pb 220.353	-2.2668	ppb	2.0593	90.8	-0.7808
Sb 206.834	-2.0099	ppb	2.3649	117.7	2.9875
Se 196.026	-0.8625	ppb	21.9500	2545.0	3.8387
Sn 189.925	32.0988	ppb	5.1719	16.1	19.5738
Sr 216.596	-0.1674	ppb	0.6365	380.2	-7.7982
Ti 334.941	2.6615	ppb	0.2713	10.2	710.912
Tl 190.794	-2.1753	ppb	2.9945	137.7	-1.4874
V 292.401	0.0752	ppb	0.2220	295.1	11.6635
Zn 206.200	2.3434	ppb	0.8212	35.0	8.8473

700-75803-a-1-b ms (Samp) **4/11/2013, 12:05:22 AM** **Rack 2, Tube 55**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	30.3906	ppb	0.5242	1.7	958.075
Al 308.215	10950.8	ppb	18.8952	0.2	33079.5
As 188.980	206.385	ppb	5.1118	2.5	76.4641
B 249.678	399.468	ppb	0.4561	0.1	3766.69
Ba 389.178	222.039	ppb	1.2765	0.6	3826.71
Be 313.042	118.027	ppb	0.1729	0.1	196400
Ca 370.602	10806	ppb	23.40	0.2	41859
Cd 226.502	110.185	ppb	0.5635	0.5	2569.62
Co 228.615	110.207	ppb	0.9769	0.9	925.725
Cr 267.716	227.831	ppb	0.4191	0.2	3921.28
Cu 324.754	238.641	ppb	1.1767	0.5	9301.33
Fe 271.441	10609.3	ppb	13.1976	0.1	8500.90
K 766.491	9912.34	ppb	19.8639	0.2	1346968
Mg 279.078	10596.8	ppb	27.9457	0.3	12780.0
Mn 257.610	1154.85	ppb	2.3759	0.2	117645
Mo 202.032	224.026	ppb	1.6816	0.8	809.897
Na 330.237	10494.1	ppb	57.1066	0.5	744.024
Ni 231.604	221.293	ppb	0.9886	0.4	677.301
Pb 220.353	108.328	ppb	1.0982	1.0	83.9901
Sb 206.834	96.0434	ppb	4.9500	5.2	70.5948
Se 196.026	211.395	ppb	21.3611	10.1	61.8157
Sn 189.925	441.491	ppb	2.8618	0.6	281.875
Sr 216.596	217.075	ppb	0.5754	0.3	1344.85
Ti 334.941	219.805	ppb	0.3872	0.2	50316.9
Tl 190.794	83.2931	ppb	10.6487	12.8	39.7462
V 292.401	222.266	ppb	0.4146	0.2	6687.15
Zn 206.200	218.103	ppb	0.9097	0.4	695.900

700-75803-a-1-c msd (Samp) **4/11/2013, 12:10:50 AM** **Rack 2, Tube 56**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	28.5549	ppb	0.1622	0.6	898.569
Al 308.215	10660.1	ppb	38.5678	0.4	32202.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	201.233	ppb	0.7405	0.4	74.5676
B 249.678	389.278	ppb	1.3335	0.3	3671.64
Ba 389.178	216.265	ppb	0.3108	0.1	3726.83
Be 313.042	114.870	ppb	0.2943	0.3	191145
Ca 370.602	10519	ppb	35.31	0.3	40739
Cd 226.502	106.611	ppb	0.5400	0.5	2486.94
Co 228.615	107.750	ppb	0.6281	0.6	904.847
Cr 267.716	221.404	ppb	0.1581	0.1	3810.82
Cu 324.754	230.941	ppb	1.2928	0.6	9004.31
Fe 271.441	10369.0	ppb	24.4116	0.2	8308.28
K 766.491	9699.82	ppb	18.7225	0.2	1318134
Mg 279.078	10322.4	ppb	24.1721	0.2	12449.7
Mn 257.610	1125.25	ppb	2.6027	0.2	114630
Mo 202.032	217.836	ppb	1.3540	0.6	787.561
Na 330.237	10138.8	ppb	63.0529	0.6	718.911
Ni 231.604	216.081	ppb	2.9444	1.4	661.384
Pb 220.353	102.950	ppb	4.3664	4.2	79.8331
Sb 206.834	89.4084	ppb	1.8629	2.1	66.0830
Se 196.026	193.897	ppb	9.5891	4.9	57.0466
Sn 189.925	424.445	ppb	6.5675	1.5	270.953
Sr 216.596	211.173	ppb	0.8218	0.4	1308.09
Ti 334.941	213.933	ppb	0.5960	0.3	48975.5
Tl 190.794	73.3715	ppb	6.0844	8.3	34.9187
V 292.401	216.510	ppb	0.7930	0.4	6514.19
Zn 206.200	215.153	ppb	0.7758	0.4	686.513

700-75803-a-2-a (Samp) **4/11/2013, 12:16:17 AM** **Rack 2, Tube 57**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3931	ppb	0.4137	105.3	-40.9419
Al 308.215	5.6638	ppb	1.2180	21.5	57.4187
As 188.980	-2.5196	ppb	8.0678	320.2	-0.4376
B 249.678	2.4539	ppb	0.2466	10.0	65.8290
Ba 389.178	-1.7700	ppb	0.3394	19.2	-45.2218
Be 313.042	0.0011	ppb	0.0044	381.5	-56.7624
Ca 370.602	26.03	ppb	4.525	17.4	36.23
Cd 226.502	0.1796	ppb	0.0173	9.6	18.0512
Co 228.615	0.0010	ppb	0.3412	32670.6	-10.3477
Cr 267.716	0.9452	ppb	0.2828	29.9	23.2714
Cu 324.754	1.7878	ppb	0.3019	16.9	169.340
Fe 271.441	51.2837	ppb	2.0229	3.9	36.3251
K 766.491	20.5726	ppb	0.2043	1.0	4882.45
Mg 279.078	-0.5536	ppb	2.1557	389.4	29.5116
Mn 257.610	0.0216	ppb	0.0412	190.2	57.0361
Mo 202.032	0.1805	ppb	0.4366	241.8	2.4286
Na 330.237	62.2543	ppb	95.1629	152.9	8.7255
Ni 231.604	1.5438	ppb	1.3966	90.5	6.4569
Pb 220.353	-0.0199	ppb	3.6681	18444.8	0.9723
Sb 206.834	-3.0351	ppb	0.4747	15.6	2.2986
Se 196.026	-10.1332	ppb	8.2744	81.7	1.3142
Sn 189.925	29.1509	ppb	2.3795	8.2	17.6851
Sr 216.596	-0.4763	ppb	0.8267	173.6	-9.7218
Ti 334.941	2.7982	ppb	0.0498	1.8	742.161

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	4.1823	ppb	4.4527	106.5	1.6103
V 292.401	0.1148	ppb	0.2124	185.0	12.8730
Zn 206.200	6.3599	ppb	1.1609	18.3	21.6428

680-89056-a-3-a (Samp) **4/11/2013, 12:21:44 AM** **Rack 2, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6343	ppb	1.0336	163.0	-6.9967
Al 308.215	13.8664	ppb	2.5421	18.3	89.0201
As 188.980	1.5232	ppb	12.0740	792.7	1.0659
B 249.678	224.527	ppb	0.7640	0.3	2147.09
Ba 389.178	1.6939	ppb	0.9356	55.2	16.5653
Be 313.042	-0.0093	ppb	0.0058	63.0	-103.848
Ca 370.602	2645	ppb	5.276	0.2	10633
Cd 226.502	0.2009	ppb	0.2033	101.2	19.0889
Co 228.615	-0.1020	ppb	0.4353	426.7	-16.2569
Cr 267.716	1.9415	ppb	0.1584	8.2	40.4823
Cu 324.754	36.4535	ppb	0.3999	1.1	1504.72
Fe 271.441	304.292	ppb	10.1184	3.3	239.337
K 766.491	107.249	ppb	0.2355	0.2	16642.0
Mg 279.078	312.595	ppb	5.7258	1.8	406.562
Mn 257.610	1.5081	ppb	0.0342	2.3	209.509
Mo 202.032	298.788	ppb	1.5075	0.5	1081.84
Na 330.237	817.126	ppb	74.6428	9.1	65.5283
Ni 231.604	2.6826	ppb	0.2986	11.1	9.9136
Pb 220.353	4.7262	ppb	0.8492	18.0	4.2778
Sb 206.834	0.4767	ppb	2.5214	528.9	4.0646
Se 196.026	-5.2084	ppb	10.3543	198.8	2.6613
Sn 189.925	27.7725	ppb	3.7584	13.5	16.7929
Sr 216.596	0.7011	ppb	0.6809	97.1	-7.5149
Ti 334.941	6.0830	ppb	0.0500	0.8	1495.13
Tl 190.794	1.5404	ppb	3.7179	241.4	-0.0334
V 292.401	0.5162	ppb	0.0606	11.7	-48.7818
Zn 206.200	1828.14	ppb	3.5614	0.2	5825.14

680-89056-b-5-a (Samp) **4/11/2013, 12:27:12 AM** **Rack 2, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0554	ppb	0.4195	757.1	-28.5098
Al 308.215	16.1364	ppb	2.8389	17.6	103.230
As 188.980	-2.2270	ppb	7.3234	328.9	-0.2550
B 249.678	420.102	ppb	0.9186	0.2	3980.15
Ba 389.178	-0.5468	ppb	0.6603	120.8	-19.3601
Be 313.042	-0.0137	ppb	0.0068	49.4	-144.824
Ca 370.602	2077	ppb	13.86	0.7	8333
Cd 226.502	0.1528	ppb	0.0697	45.6	17.8834
Co 228.615	-0.3294	ppb	0.2278	69.2	-23.7406
Cr 267.716	2.0098	ppb	0.3105	15.4	41.9167
Cu 324.754	46.6283	ppb	0.1635	0.4	1902.39
Fe 271.441	253.483	ppb	2.7374	1.1	198.977
K 766.491	30.0026	ppb	0.3325	1.1	6161.56

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	802.404	ppb	6.9040	0.9	997.985
Mn 257.610	0.4347	ppb	0.0684	15.7	101.417
Mo 202.032	619.445	ppb	3.1124	0.5	2241.00
Na 330.237	7.2233	ppb	140.435	1944.2	7.8992
Ni 231.604	1.2802	ppb	0.4419	34.5	5.6051
Pb 220.353	13.3477	ppb	4.3644	32.7	10.5798
Sb 206.834	1.6041	ppb	5.4520	339.9	4.1492
Se 196.026	-7.2402	ppb	3.2909	45.5	2.1099
Sn 189.925	18.9625	ppb	4.9873	26.3	11.1492
Sr 216.596	0.3657	ppb	0.2111	57.7	-15.3429
Ti 334.941	0.4016	ppb	0.0279	7.0	197.343
Tl 190.794	-1.0108	ppb	5.6582	559.8	-1.6168
V 292.401	0.0650	ppb	0.2241	345.0	-141.884
Zn 206.200	1777.75	ppb	16.7979	0.9	5664.62

660-53661-a-1-a (Samp) **4/11/2013, 12:32:40 AM** **Rack 2, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5515	ppb	0.3939	71.4	-10.9533
Al 308.215	4977.98	ppb	8.9953	0.2	15079.5
As 188.980	22.5223	ppb	4.2218	18.7	8.6117
B 249.678	102.154	ppb	0.9458	0.9	986.813
Ba 389.178	399.684	ppb	0.5252	0.1	6851.16
Be 313.042	0.1743	ppb	0.0061	3.5	536.469
Ca 370.602	11726	ppb	29.14	0.2	46128
Cd 226.502	1.0440	ppb	0.1101	10.5	54.6793
Co 228.615	240.564	ppb	0.3672	0.2	2032.58
Cr 267.716	20.2919	ppb	0.1904	0.9	348.408
Cu 324.754	246.145	ppb	0.4702	0.2	9581.88
Fe 271.441	7660.68	ppb	7.9209	0.1	6148.43
K 766.491	3556.44	ppb	5.6182	0.2	484526
Mg 279.078	1465.20	ppb	3.4608	0.2	1770.29
Mn 257.610	116.646	ppb	0.2779	0.2	11941.2
Mo 202.032	134.988	ppb	0.4092	0.3	487.826
Na 330.237	11479.7	ppb	85.0488	0.7	824.590
Ni 231.604	263.172	ppb	0.7630	0.3	804.275
Pb 220.353	80.3846	ppb	0.8506	1.1	63.0137
Sb 206.834	100.638	ppb	2.0057	2.0	71.8252
Se 196.026	-4.8768	ppb	9.3220	191.2	2.7139
Sn 189.925	40.0560	ppb	3.5129	8.8	24.6410
Sr 216.596	81.8807	ppb	0.4657	0.6	497.373
Ti 334.941	44.7327	ppb	0.0161	0.0	10333.8
Tl 190.794	-7.4118	ppb	9.2571	124.9	-3.7634
V 292.401	488.201	ppb	1.1737	0.2	14793.9
Zn 206.200	4456.91	ppb	7.1199	0.2	14199.5

Cont Calib Verif (CCV) **4/11/2013, 12:38:08 AM** **Rack 3, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.421	ppb	0.9129	0.2	15920.4	98.48429
Al 308.215	5131.16	ppb	11.2777	0.2	15787.9	102.62316

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	492.885	ppb	5.6062	1.1	182.973	98.57705
B 249.678	505.972	ppb	3.0121	0.6	4786.88	20.23890Q
Ba 389.178	5071.34	ppb	7.0187	0.1	86969.3	101.42678
Be 313.042	514.549	ppb	0.5175	0.1	859049	102.90987
Ca 370.602	4991	ppb	14.96	0.3	19549	99.81506
Cd 226.502	500.994	ppb	0.7799	0.2	11538.3	100.19874
Co 228.615	504.172	ppb	0.2464	0.0	4277.04	100.83440
Cr 267.716	5086.97	ppb	0.6532	0.0	87506.1	101.73944
Cu 324.754	5162.37	ppb	27.4965	0.5	199649	103.24748
Fe 271.441	4912.98	ppb	9.7883	0.2	3996.33	98.25963
K 766.491	10172.4	ppb	18.5453	0.2	1380863	101.72379
Mg 279.078	5046.24	ppb	10.3177	0.2	6093.46	100.92474
Mn 257.610	5246.98	ppb	3.3298	0.1	534145	104.93951
Mo 202.032	500.878	ppb	0.8282	0.2	1802.13	100.17553
Na 330.237	7362.15	ppb	56.0030	0.8	526.127	98.16200
Ni 231.604	2582.01	ppb	2.8820	0.1	7875.05	103.28030
Pb 220.353	492.815	ppb	1.0374	0.2	380.222	98.56306
Sb 206.834	905.049	ppb	6.6129	0.7	651.180	36.20196Q
Se 196.026	4947.64	ppb	19.0035	0.4	1352.01	98.95275
Sn 189.925	4822.88	ppb	8.1447	0.2	3088.97	96.45770
Sr 216.596	2498.36	ppb	1.8087	0.1	15517.7	99.93460
Ti 334.941	496.172	ppb	0.4631	0.1	113734	99.23430
Tl 190.794	4908.23	ppb	23.1384	0.5	2398.68	98.16461
V 292.401	4976.73	ppb	9.2150	0.2	150592	99.53454
Zn 206.200	2554.41	ppb	9.4005	0.4	8118.62	102.17630

Cont Calib Blank (CCB) **4/11/2013, 12:43:36 AM** **Rack 3, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4429	ppb	0.5682	128.3	-42.5277	-0.44286
Al 308.215	0.3689	ppb	2.2188	601.5	41.4720	0.36889
As 188.980	-6.6307	ppb	9.0581	136.6	-1.9526	-6.63069
B 249.678	2.1184	ppb	0.6577	31.0	62.8119	2.11838
Ba 389.178	-0.9020	ppb	0.7259	80.5	-30.4098	-0.90205
Be 313.042	0.0111	ppb	0.0091	82.2	-40.0813	0.01107
Ca 370.602	-3.109	ppb	4.180	134.5	-72.22	-3.10890
Cd 226.502	0.1564	ppb	0.2064	132.0	17.4042	0.15643
Co 228.615	-0.0686	ppb	0.4479	653.3	-10.9841	-0.06856
Cr 267.716	0.4056	ppb	0.2063	50.9	14.0106	0.40556
Cu 324.754	0.3799	ppb	0.1708	45.0	114.969	0.37995
Fe 271.441	-1.4971	ppb	5.2724	352.2	-5.9480	-1.49711
K 766.491	1.2827	ppb	0.4516	35.2	2264.83	1.28268
Mg 279.078	-6.4682	ppb	6.2480	96.6	22.5688	-6.46823
Mn 257.610	-0.0190	ppb	0.1161	611.6	52.7922	-0.01898
Mo 202.032	0.6360	ppb	0.3532	55.5	4.0818	0.63603
Na 330.237	-117.219	ppb	39.9044	34.0	-3.9963	-117.21869
Ni 231.604	0.5808	ppb	0.8167	140.6	3.5144	0.58082
Pb 220.353	-1.3624	ppb	2.9167	214.1	-0.0742	-1.36240
Sb 206.834	-0.8056	ppb	2.3651	293.6	3.8607	-0.80558
Se 196.026	-12.5097	ppb	4.4819	35.8	0.6679	-12.50971Z
Sn 189.925	0.2546	ppb	4.0602	1595.0	-0.8286	0.25457
Sr 216.596	-0.4135	ppb	0.5458	132.0	-9.3185	-0.41350
Ti 334.941	-0.6477	ppb	0.0140	2.2	-44.6618	-0.64774

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-4.2540	ppb	3.4815	81.8	-2.5021	-4.25404
V 292.401	0.3651	ppb	0.1887	51.7	20.4434	0.36506
Zn 206.200	0.8731	ppb	0.4245	48.6	4.1650	0.87310

660-53661-a-2-a (Samp) **4/11/2013, 12:49:04 AM** **Rack 3, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3563	ppb	0.5515	40.7	13.6181
Al 308.215	16892.6	ppb	766.350	4.5	51002.3
As 188.980	100.579	ppb	2.4688	2.5	37.2468
B 249.678	680.005	ppb	28.7644	4.2	6393.62
Ba 389.178	516.720	ppb	22.4089	4.3	8866.56
Be 313.042	0.2534	ppb	0.0216	8.5	513.646
Ca 370.602	24996	ppb	975.7	3.9	99156
Cd 226.502	1.6840	ppb	0.2539	15.1	80.4645
Co 228.615	67.1524	ppb	2.5617	3.8	558.586
Cr 267.716	75.6902	ppb	3.5646	4.7	1300.96
Cu 324.754	537.199	ppb	29.4460	5.5	20805.0
Fe 271.441	12464.8	ppb	547.376	4.4	9986.02
K 766.491	5869.56	ppb	218.148	3.7	798344
Mg 279.078	2951.26	ppb	132.771	4.5	3546.21
Mn 257.610	174.032	ppb	7.4147	4.3	17793.9
Mo 202.032	322.930	ppb	16.0263	5.0	1167.15
Na 330.237	25949.2	ppb	1441.96	5.6	1853.76
Ni 231.604	203.996	ppb	9.3281	4.6	624.347
Pb 220.353	151.747	ppb	6.1806	4.1	117.325
Sb 206.834	344.783	ppb	14.4074	4.2	237.002
Se 196.026	4.5749	ppb	12.1945	266.6	5.3144
Sn 189.925	50.1194	ppb	1.9512	3.9	31.0855
Sr 216.596	104.255	ppb	4.5707	4.4	639.167
Ti 334.941	218.526	ppb	9.9847	4.6	50030.7
Tl 190.794	-1.5312	ppb	2.9224	190.9	-2.0374
V 292.401	274.562	ppb	12.5345	4.6	8262.42
Zn 206.200	6549.01	ppb	283.085	4.3	20864.1

mb 680-272516/15-a (Samp) **4/11/2013, 12:54:32 AM** **Rack 3, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1296	ppb	0.5692	439.3	-32.3857
Al 308.215	2.7554	ppb	0.8199	29.8	48.6533
As 188.980	-2.5611	ppb	3.7695	147.2	-0.4524
B 249.678	2.7420	ppb	0.3106	11.3	68.6378
Ba 389.178	-1.2643	ppb	1.2791	101.2	-36.6039
Be 313.042	-0.0188	ppb	0.0059	31.5	-89.9668
Ca 370.602	9.623	ppb	2.585	26.9	-22.69
Cd 226.502	-0.0196	ppb	0.1292	658.2	13.3825
Co 228.615	0.0896	ppb	0.4024	448.9	-9.6394
Cr 267.716	0.6071	ppb	0.2420	39.9	17.4736
Cu 324.754	0.0567	ppb	0.1099	193.8	102.436
Fe 271.441	9.3961	ppb	1.2554	13.4	2.7747
K 766.491	9.4731	ppb	0.5388	5.7	3376.32

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	0.3248	ppb	5.5666	1713.8	30.7269
Mn 257.610	-0.3283	ppb	0.0678	20.6	21.3261
Mo 202.032	-0.0789	ppb	0.4965	629.1	1.4962
Na 330.237	-5.1618	ppb	69.2669	1341.9	3.9669
Ni 231.604	0.1322	ppb	0.3992	302.1	2.1476
Pb 220.353	-1.8651	ppb	3.3962	182.1	-0.4665
Sb 206.834	-2.5148	ppb	1.8791	74.7	2.6911
Se 196.026	-6.2876	ppb	1.6741	26.6	2.3616
Sn 189.925	8.9151	ppb	4.1818	46.9	4.7199
Sr 216.596	-0.0230	ppb	0.5020	2179.9	-6.8486
Ti 334.941	-0.5377	ppb	0.0315	5.9	-19.5213
Tl 190.794	-5.0037	ppb	5.1048	102.0	-2.8685
V 292.401	0.1053	ppb	0.3019	286.6	12.5690
Zn 206.200	0.3072	ppb	0.4324	140.7	2.3622

680-89134-d-1-a (Samp) **4/11/2013, 1:00:00 AM** **Rack 3, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.9330	ppb	1.1922	61.7	38.5792
Al 308.215	59780.0	ppb	1888.14	3.2	180326
As 188.980	26.1633	ppb	17.4252	66.6	9.3729
B 249.678	27.2028	ppb	1.1464	4.2	281.791
Ba 389.178	609.547	ppb	19.2383	3.2	10453.7
Be 313.042	2.9443	ppb	0.0943	3.2	5000.61
Ca 370.602	55006	ppb	1558	2.8	222376
Cd 226.502	5.9893	ppb	0.2737	4.6	169.620
Co 228.615	8.7473	ppb	0.7435	8.5	70.5137
Cr 267.716	52.9768	ppb	1.2907	2.4	915.689
Cu 324.754	107.058	ppb	5.2378	4.9	4077.10
Fe 271.441	6643.31	ppb	194.363	2.9	5319.20
K 766.491	3688.18	ppb	86.7063	2.4	502341
Mg 279.078	5364.56	ppb	157.579	2.9	6478.40
Mn 257.610	1527.35	ppb	42.4093	2.8	155543
Mo 202.032	9.0188	ppb	0.2012	2.2	33.8538
Na 330.237	7044.71	ppb	165.361	2.3	499.988
Ni 231.604	58.4353	ppb	1.3098	2.2	180.512
Pb 220.353	33.9851	ppb	2.9482	8.7	21.9862
Sb 206.834	0.6226	ppb	4.8580	780.3	5.0457
Se 196.026	2.7825	ppb	22.2640	800.2	5.4162
Sn 189.925	21.8912	ppb	0.9300	4.2	12.9290
Sr 216.596	265.901	ppb	6.1787	2.3	1661.45
Ti 334.941	418.551	ppb	12.7209	3.0	95736.4
Tl 190.794	1.4510	ppb	5.1594	355.6	-0.7250
V 292.401	220.568	ppb	6.1972	2.8	6700.01
Zn 206.200	688.204	ppb	18.8808	2.7	2193.87

680-89134-d-1-aSD^5 (Samp) **4/11/2013, 1:05:28 AM** **Rack 3, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1010	ppb	0.1248	123.6	-24.0696
Al 308.215	11755.2	ppb	28.8295	0.2	35491.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.6628	ppb	8.0166	1209.6	0.0964
B 249.678	5.2177	ppb	0.4214	8.1	88.6187
Ba 389.178	122.291	ppb	0.1974	0.2	2085.35
Be 313.042	0.5695	ppb	0.0072	1.3	920.622
Ca 370.602	10857	ppb	40.61	0.4	43843
Cd 226.502	1.1488	ppb	0.0123	1.1	43.8256
Co 228.615	1.9929	ppb	0.6067	30.4	7.8541
Cr 267.716	10.5211	ppb	0.5238	5.0	187.494
Cu 324.754	21.1312	ppb	0.2057	1.0	885.224
Fe 271.441	1326.31	ppb	7.8886	0.6	1058.15
K 766.491	703.872	ppb	1.8047	0.3	97559.3
Mg 279.078	1087.78	ppb	7.3739	0.7	1337.94
Mn 257.610	307.766	ppb	1.2502	0.4	31386.2
Mo 202.032	1.5298	ppb	1.0518	68.8	7.2055
Na 330.237	1401.30	ppb	22.2975	1.6	102.931
Ni 231.604	12.9839	ppb	1.1895	9.2	41.4522
Pb 220.353	6.3419	ppb	2.6489	41.8	4.8517
Sb 206.834	-0.6383	ppb	2.7684	433.7	4.0125
Se 196.026	-6.0685	ppb	6.4037	105.5	2.5380
Sn 189.925	3.6762	ppb	1.5087	41.0	1.3432
Sr 216.596	53.2444	ppb	0.8248	1.5	327.269
Ti 334.941	83.1417	ppb	0.3588	0.4	19099.9
Tl 190.794	-1.9025	ppb	4.0928	215.1	-1.5531
V 292.401	43.8014	ppb	0.2223	0.5	1338.11
Zn 206.200	139.220	ppb	1.0948	0.8	444.913

680-89134-d-1-aPDS (Samp) **4/11/2013, 1:10:56 AM** **Rack 3, Tube 7**

Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.5814	ppb	0.5880	1.2	1613.36
Al 308.215	59742.4	ppb	54.3162	0.1	180250
As 188.980	2057.37	ppb	13.4443	0.7	758.169
B 249.678	987.699	ppb	2.6993	0.3	9302.99
Ba 389.178	2629.82	ppb	3.1578	0.1	45102.7
Be 313.042	54.4302	ppb	0.0701	0.1	90911.4
Ca 370.602	58089	ppb	71.21	0.1	234898
Cd 226.502	55.8194	ppb	0.0736	0.1	1316.44
Co 228.615	516.545	ppb	1.2620	0.2	4392.24
Cr 267.716	255.776	ppb	0.3753	0.1	4402.84
Cu 324.754	366.020	ppb	1.2952	0.4	14074.7
Fe 271.441	7361.38	ppb	12.5400	0.2	5924.69
K 766.491	8978.03	ppb	6.3788	0.1	1219508
Mg 279.078	10299.7	ppb	29.3515	0.3	12431.8
Mn 257.610	1995.98	ppb	3.1753	0.2	203268
Mo 202.032	526.435	ppb	2.6332	0.5	1903.21
Na 330.237	12031.8	ppb	4.6100	0.0	847.547
Ni 231.604	563.800	ppb	1.0133	0.2	1721.87
Pb 220.353	517.634	ppb	4.7310	0.9	398.490
Sb 206.834	462.829	ppb	9.6725	2.1	314.214
Se 196.026	1993.69	ppb	18.4143	0.9	547.543
Sn 189.925	987.138	ppb	3.9681	0.4	631.569
Sr 216.596	759.737	ppb	0.3466	0.0	4723.42
Ti 334.941	1395.85	ppb	1.6996	0.1	318889

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1968.25	ppb	5.6825	0.3	959.748
V 292.401	714.505	ppb	1.0747	0.2	21558.6
Zn 206.200	1160.67	ppb	1.9315	0.2	3698.34

X (Samp) **4/11/2013, 1:16:23 AM** **Rack 3, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7377	ppb	0.1833	24.8	-52.0771
Al 308.215	1.9817	ppb	3.0079	151.8	46.3171
As 188.980	-3.0145	ppb	3.7014	122.8	-0.6194
B 249.678	3.4523	ppb	0.7215	20.9	75.3296
Ba 389.178	-0.3827	ppb	0.5245	137.0	-21.5055
Be 313.042	-0.0210	ppb	0.0069	33.0	-93.6312
Ca 370.602	-2.739	ppb	2.238	81.7	-71.09
Cd 226.502	-0.0476	ppb	0.1125	236.4	12.7200
Co 228.615	-0.0052	ppb	0.2920	5582.6	-10.4451
Cr 267.716	0.0128	ppb	0.2540	1978.5	7.2549
Cu 324.754	-0.0435	ppb	0.1855	426.9	98.5949
Fe 271.441	-0.6947	ppb	8.1207	1169.0	-5.3060
K 766.491	1.2358	ppb	0.1923	15.6	2258.37
Mg 279.078	0.3955	ppb	2.0386	515.4	30.8472
Mn 257.610	-0.2235	ppb	0.0482	21.6	31.9845
Mo 202.032	0.1584	ppb	0.1480	93.5	2.3556
Na 330.237	-108.160	ppb	69.6606	64.4	-3.3532
Ni 231.604	-0.4884	ppb	1.0762	220.3	0.2590
Pb 220.353	-1.5130	ppb	2.5280	167.1	-0.1916
Sb 206.834	-0.7079	ppb	0.9700	137.0	3.9267
Se 196.026	-5.3698	ppb	7.6311	142.1	2.6116
Sn 189.925	-0.5496	ppb	3.9114	711.7	-1.3437
Sr 216.596	0.0301	ppb	0.1426	474.4	-6.5010
Ti 334.941	-0.5465	ppb	0.0071	1.3	-21.5797
Tl 190.794	-0.2392	ppb	4.3205	1806.5	-0.5450
V 292.401	-0.0320	ppb	0.1387	433.9	8.3992
Zn 206.200	1.0956	ppb	0.3391	30.9	4.8753

CRI (Samp) **4/11/2013, 1:21:51 AM** **Rack 3, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.0501	ppb	0.6037	6.0	297.307
Al 308.215	218.331	ppb	12.9850	5.9	699.535
As 188.980	17.8425	ppb	2.8448	15.9	7.0584
B 249.678	99.7659	ppb	4.3765	4.4	979.458
Ba 389.178	9.8226	ppb	0.3645	3.7	154.630
Be 313.042	4.3804	ppb	0.1526	3.5	7233.77
Ca 370.602	520.4	ppb	20.45	3.9	2047
Cd 226.502	5.3781	ppb	0.1996	3.7	137.543
Co 228.615	10.7500	ppb	0.8104	7.5	80.9149
Cr 267.716	10.5373	ppb	0.1545	1.5	188.265
Cu 324.754	21.8044	ppb	1.4058	6.4	942.169
Fe 271.441	56.4068	ppb	6.8232	12.1	41.0547
K 766.491	1099.81	ppb	34.1782	3.1	151314

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	531.611	ppb	17.7964	3.3	671.835
Mn 257.610	10.9070	ppb	0.5173	4.7	1166.47
Mo 202.032	9.7903	ppb	0.1850	1.9	37.1492
Na 330.237	979.616	ppb	106.234	10.8	73.9503
Ni 231.604	43.1549	ppb	0.6537	1.5	133.317
Pb 220.353	9.7463	ppb	5.6621	58.1	8.5513
Sb 206.834	13.6939	ppb	2.2914	16.7	13.6323
Se 196.026	24.4789	ppb	4.2191	17.2	10.7444
Sn 189.925	49.7558	ppb	4.6474	9.3	30.8859
Sr 216.596	10.6731	ppb	0.3811	3.6	58.2826
Ti 334.941	9.5848	ppb	0.3701	3.9	2292.85
Tl 190.794	21.4014	ppb	0.8718	4.1	10.0224
V 292.401	10.5060	ppb	0.5024	4.8	325.074
Zn 206.200	21.6173	ppb	1.2936	6.0	70.2267

CCV (Samp) **4/11/2013, 1:27:19 AM** **Rack 3, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

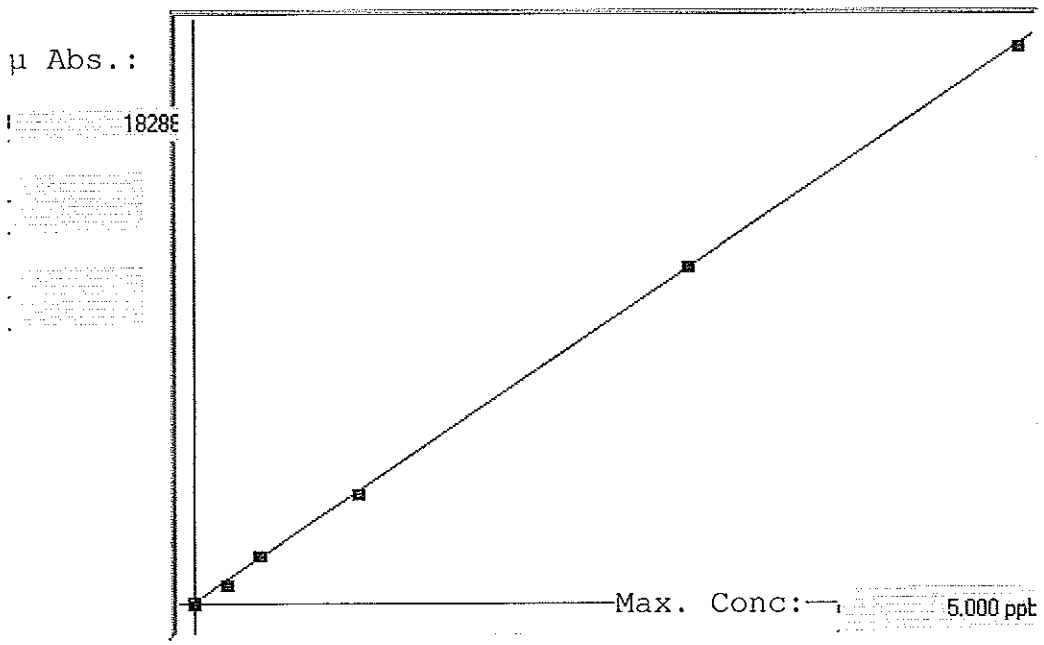
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	492.800	ppb	1.3491	0.3	15932.7
Al 308.215	5156.56	ppb	4.2102	0.1	15864.6
As 188.980	487.510	ppb	6.4886	1.3	180.992
B 249.678	504.989	ppb	1.6513	0.3	4777.66
Ba 389.178	5063.78	ppb	7.6556	0.2	86839.7
Be 313.042	515.268	ppb	0.1833	0.0	860248
Ca 370.602	4986	ppb	10.67	0.2	19530
Cd 226.502	501.024	ppb	0.6458	0.1	11539.0
Co 228.615	504.192	ppb	0.6740	0.1	4277.23
Cr 267.716	5072.52	ppb	10.9629	0.2	87257.4
Cu 324.754	5122.01	ppb	36.8586	0.7	198088
Fe 271.441	4918.65	ppb	9.1187	0.2	4000.93
K 766.491	10173.5	ppb	10.3941	0.1	1381020
Mg 279.078	5078.91	ppb	5.2377	0.1	6132.87
Mn 257.610	5242.55	ppb	12.7299	0.2	533694
Mo 202.032	501.258	ppb	3.9110	0.8	1803.50
Na 330.237	7374.07	ppb	118.431	1.6	526.980
Ni 231.604	2583.75	ppb	1.3186	0.1	7880.35
Pb 220.353	502.917	ppb	1.6035	0.3	388.105
Sb 206.834	898.026	ppb	6.3066	0.7	646.453
Se 196.026	4937.67	ppb	24.8187	0.5	1349.30
Sn 189.925	4803.70	ppb	5.6599	0.1	3076.68
Sr 216.596	2505.12	ppb	1.8727	0.1	15559.9
Ti 334.941	496.047	ppb	1.0313	0.2	113706
Tl 190.794	4877.05	ppb	12.5929	0.3	2383.48
V 292.401	4981.78	ppb	4.4395	0.1	150746
Zn 206.200	2556.50	ppb	5.9517	0.2	8125.29

CCB (Samp) **4/11/2013, 1:32:47 AM** **Rack 3, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1669	ppb	0.2957	177.1	-33.5909
Al 308.215	0.0793	ppb	0.5541	698.9	40.5990

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-5.4720	ppb	3.9402	72.0	-1.5254
B 249.678	1.8727	ppb	0.0325	1.7	60.4927
Ba 389.178	-0.5561	ppb	0.4489	80.7	-24.4703
Be 313.042	0.0398	ppb	0.0072	18.2	7.7794
Ca 370.602	-5.773	ppb	3.066	53.1	-84.13
Cd 226.502	0.0221	ppb	0.0617	279.0	14.3296
Co 228.615	0.0172	ppb	0.6316	3679.8	-10.2554
Cr 267.716	0.7242	ppb	0.2903	40.1	19.4912
Cu 324.754	0.5921	ppb	0.3700	62.5	123.183
Fe 271.441	2.5525	ppb	12.4511	487.8	-2.7030
K 766.491	2.2025	ppb	0.3368	15.3	2389.52
Mg 279.078	-4.0039	ppb	6.9721	174.1	25.5226
Mn 257.610	0.1949	ppb	0.0236	12.1	74.5653
Mo 202.032	-0.1047	ppb	0.5116	488.7	1.4034
Na 330.237	-0.8732	ppb	83.0438	9510.0	4.2759
Ni 231.604	0.6807	ppb	0.6156	90.4	3.8252
Pb 220.353	-0.9057	ppb	1.3437	148.4	0.2821
Sb 206.834	-3.5048	ppb	0.9270	26.4	2.0388
Se 196.026	1.3425	ppb	5.2777	393.1	4.4390
Sn 189.925	1.4683	ppb	4.2373	288.6	-0.0509
Sr 216.596	0.2074	ppb	0.1808	87.2	-5.4334
Ti 334.941	-0.6588	ppb	0.0357	5.4	-47.1861
Tl 190.794	4.3814	ppb	1.8023	41.1	1.7082
V 292.401	0.3804	ppb	0.1979	52.0	20.9002
Zn 206.200	0.4186	ppb	0.5390	128.8	2.7168

Hg Norm2



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	-0.001	-0.001	35	3.300	40	32	35		
0.2	0.200	0.178	-0.022	693	0.6 %	688	697	696		
0.4	0.400	0.425	0.025	1595	0.1 %	1596	1597	1594		
1.0	1.000	0.988	-0.012	3655	0.4 %	3664	3668	3635		
3.0	3.000	3.022	0.022	11098	0.2 %	11083	11084	11128		
5.0	5.000	4.987	-0.013	18288	0.1 %	18299	18305	18260		

C04092013A

Method: Hg Norm2 Operator: Admin Date of Analysis: 09 Apr 2013 11:32:53

Sample ID	Extended ID	Mean	RSD	Date
blank		36	9.2519	09 Apr 2013 11:36:41
0.2		694	0.5806	09 Apr 2013 11:39:06
0.4		1596	0.0782	09 Apr 2013 11:41:34
1.0		3656	0.4022	09 Apr 2013 11:44:00
3.0		11098	0.1891	09 Apr 2013 11:46:27
5.0		18288	0.1091	09 Apr 2013 11:48:53
ICV		3.0441	0.7637	09 Apr 2013 11:51:20
ICB		-0.0096	-5.3856	09 Apr 2013 11:53:46
CRA		0.1797	1.1385	09 Apr 2013 11:56:11
CCV		2.5878	0.5322	09 Apr 2013 11:58:39
CCB		-0.0081	-0.0000	09 Apr 2013 12:01:06
mb 680-272267/1-a	(BCB)	-0.0008	-207.0176	09 Apr 2013 12:03:31
lcs 680-272267/2-a	(BCB)	2.7066	0.2800	09 Apr 2013 12:05:57
680-88960-a-26-a	(BCB)	45.7197	0.1548	09 Apr 2013 12:08:23
680-88960-a-26-b ms	(BCB)	48.8583	0.1818	09 Apr 2013 12:10:49
680-88960-a-26-c msd	(BCB)	45.7360	0.3360	09 Apr 2013 12:13:15
680-88960-a-27-a	(BCB)	8.0413	0.7051	09 Apr 2013 12:15:41
680-88960-a-28-a	(BCB)	0.6883	0.4386	09 Apr 2013 12:18:07
680-88960-a-30-a	(BCB)	1.5776	0.3472	09 Apr 2013 12:20:33
680-88960-a-31-a	(BCB)	0.5097	0.3775	09 Apr 2013 12:22:59
680-88960-a-33-a	(BCB)	15.6689	0.2415	09 Apr 2013 12:25:27
CCV		2.5800	0.4508	09 Apr 2013 12:27:53
CCB		-0.0079	-4.2989	09 Apr 2013 12:30:20
680-88960-a-34-a	(BCB)	25.0550	0.1760	09 Apr 2013 12:32:46
680-88960-a-35-a	(BCB)	3.0099	0.1491	09 Apr 2013 12:35:15
680-88960-a-37-a	(BCB)	HIGH	0.0000	09 Apr 2013 12:37:43
680-88960-a-38-a	(BCB)	HIGH	0.0000	09 Apr 2013 12:40:02
680-88960-a-39-a	(BCB)	0.8690	0.2718	09 Apr 2013 12:42:21
680-88960-a-41-a	(BCB)	12.8325	0.6983	09 Apr 2013 12:44:49
680-88960-a-42-a	(BCB)	2.8535	0.3960	09 Apr 2013 12:47:17
680-88960-a-43-a	(BCB)	0.4826	0.9066	09 Apr 2013 12:49:44
mb 680-272221/1-a	(BCB)	-0.0030	-40.8352	09 Apr 2013 12:52:11
lcs 680-272221/2-a	(BCB)	2.6960	0.0391	09 Apr 2013 12:54:37
CCV		2.6913	0.1665	09 Apr 2013 12:57:04
CCB		0.0082	16.4121	09 Apr 2013 12:59:30
680-88983-d-1-d	(BCB)	0.7661	0.1345	09 Apr 2013 13:01:56
680-88983-c-3-b	(BCB)	0.5505	0.3277	09 Apr 2013 13:04:24
680-88983-d-5-b	(BCB)	1.4455	1.1855	09 Apr 2013 13:06:51
680-89036-d-2-b	(BCB)	0.4970	0.7944	09 Apr 2013 13:09:18
680-88924-a-2-c	(BCB)	1.6309	0.4110	09 Apr 2013 13:11:47
680-88924-a-4-c	(BCB)	1.2929	0.4979	09 Apr 2013 13:14:14
680-88924-a-6-a	(BCB)	0.1429	0.7040	09 Apr 2013 13:16:40
680-88924-a-8-c	(BCB)	0.1296	0.2631	09 Apr 2013 13:19:08
680-88924-a-11-c	(BCB)	0.4529	0.5129	09 Apr 2013 13:21:36
680-88924-a-13-c	(BCB)	0.1767	0.6685	09 Apr 2013 13:24:04
CCV		2.6984	0.1313	09 Apr 2013 13:26:31
CCB		0.0112	4.1468	09 Apr 2013 13:28:58
680-87674-a-24-d	(BCB)	3.0438	0.0661	09 Apr 2013 13:31:24
680-89038-b-6-d	(BCB)	4.4218	0.1780	09 Apr 2013 13:33:51
680-89038-b-6-e ms	(BCB)	4.8728	0.1963	09 Apr 2013 13:36:17
680-89038-b-6-f msd	(BCB)	4.7696	0.4417	09 Apr 2013 13:38:43
680-89038-b-9-b	(BCB)	2.1276	0.1102	09 Apr 2013 13:41:11
680-89038-b-10-b	(BCB)	2.3032	0.2178	09 Apr 2013 13:43:38
680-89038-b-30-b	(BCB)	3.0787	0.6937	09 Apr 2013 13:46:06
680-89038-a-33-b	(BCB)	2.2555	0.1189	09 Apr 2013 13:48:33
680-89038-a-34-b	(BCB)	2.0597	1.1443	09 Apr 2013 13:51:01
680-89038-a-35-b	(BCB)	4.4035	0.4540	09 Apr 2013 13:53:26
CCV		2.6960	0.5685	09 Apr 2013 13:55:54
CCB		-0.0002	-524.1442	09 Apr 2013 13:58:22
680-89038-a-36-b	(BCB)	3.6070	0.9658	09 Apr 2013 14:00:48

C04092013A

Method: Hg Norm2 Operator: Admin Date of Analysis: 09 Apr 2013 11:32:53

Sample ID	Extended ID	Mean	RSD	Date
mb 680-272219/1-a	(BCB)	0.0023	29.4375	09 Apr 2013 14:03:14
lcs 680-272219/2-a	(BCB)	2.7476	0.5637	09 Apr 2013 14:05:42
680-89004-b-1-b	(BCB)	0.4032	0.2786	09 Apr 2013 14:08:10
680-89004-b-2-b	(BCB)	0.5380	1.1615	09 Apr 2013 14:10:38
680-89004-b-3-b	(BCB)	0.2247	0.3035	09 Apr 2013 14:13:05
680-89004-b-4-b	(BCB)	0.1647	0.2070	09 Apr 2013 14:15:33
680-89004-b-5-b	(BCB)	0.0368	4.3019	09 Apr 2013 14:18:01
680-89004-b-6-b	(BCB)	0.3755	0.3957	09 Apr 2013 14:20:30
680-89004-b-7-b	(BCB)	0.2251	0.4989	09 Apr 2013 14:22:58
CCV		2.6823	0.2540	09 Apr 2013 14:25:25
CCB		-0.0036	-15.3968	09 Apr 2013 14:27:53
680-89004-b-8-b	(BCB)	0.2885	0.4726	09 Apr 2013 14:30:19
680-89004-b-9-b	(BCB)	0.0840	0.4602	09 Apr 2013 14:32:45
680-89004-b-10-b	(BCB)	1.3855	0.6239	09 Apr 2013 14:35:12
680-89004-b-11-b	(BCB)	0.6104	0.4387	09 Apr 2013 14:37:39
680-89004-b-12-b	(BCB)	0.8024	0.2365	09 Apr 2013 14:40:05
680-89004-b-13-b	(BCB)	0.7336	0.7917	09 Apr 2013 14:42:31
680-89004-b-14-b	(BCB)	0.4931	1.0482	09 Apr 2013 14:44:59
680-89004-b-15-b	(BCB)	0.5566	0.3825	09 Apr 2013 14:47:25
680-89004-b-16-b	(BCB)	0.3942	0.4935	09 Apr 2013 14:49:53
680-89004-b-17-d	(BCB)	0.3515	0.2643	09 Apr 2013 14:52:21
CCV		2.6947	0.5080	09 Apr 2013 14:54:49
CCB		0.0055	13.1315	09 Apr 2013 14:57:15
680-89004-b-17-e ms	(BCB)	1.3932	0.3476	09 Apr 2013 14:59:43
680-89004-b-17-f msd	(BCB)	1.7417	0.1808	09 Apr 2013 15:02:09
680-89004-b-18-b	(BCB)	0.4583	0.5069	09 Apr 2013 15:04:37
lb 680-272070/4-c	(BCB)	-0.0006	-122.2433	09 Apr 2013 15:07:04
680-89008-b-2-b	(BCB)	0.0123	2.7724	09 Apr 2013 15:09:31
680-89008-b-2-c ms	(BCB)	0.5154	0.4337	09 Apr 2013 15:11:57
680-89008-b-2-d msd	(BCB)	0.3108	0.2902	09 Apr 2013 15:14:24
mb 680-272218/1-a	(BCB)	0.0020	67.8400	09 Apr 2013 15:16:52
lcs 680-272218/2-a	(BCB)	2.9044	0.5728	09 Apr 2013 15:19:19
640-43022-a-1-a	(BCB)	-0.0018	-74.3606	09 Apr 2013 15:21:46
CCV		2.6586	0.0793	09 Apr 2013 15:24:14
CCB		-0.0024	-33.9200	09 Apr 2013 15:26:41
640-43022-a-2-a	(BCB)	3.4839	1.0564	09 Apr 2013 15:29:07
640-43022-a-3-a	(BCB)	2.2271	0.7190	09 Apr 2013 15:31:35
640-43022-a-4-a	(BCB)	0.4283	0.1203	09 Apr 2013 15:34:03
640-43022-a-5-a	(BCB)	34.7127	0.7817	09 Apr 2013 15:36:30
640-43022-a-6-a	(BCB)	0.1504	7.3543	09 Apr 2013 15:38:58
640-43022-a-7-a	(BCB)	0.1675	1.2376	09 Apr 2013 15:41:25
640-43022-a-8-a	(BCB)	0.0246	2.6193	09 Apr 2013 15:43:52
640-43022-a-9-a	(BCB)	0.0466	1.7285	09 Apr 2013 15:46:19
640-43022-a-10-a	(BCB)	2.9583	0.4313	09 Apr 2013 15:48:47
640-43022-a-11-a	(BCB)	0.0961	0.7093	09 Apr 2013 15:51:16
CCV		2.6485	0.2520	09 Apr 2013 15:53:43
CCB		0.0055	43.2959	09 Apr 2013 15:56:12
640-43022-a-12-a	(BCB)	0.4772	0.2210	09 Apr 2013 15:58:38
640-43026-b-1-b	(BCB)	0.0263	2.2428	09 Apr 2013 16:01:05
640-43026-b-2-b	(BCB)	0.0138	3.3554	09 Apr 2013 16:03:31
640-43026-b-3-b	(BCB)	0.8967	0.3802	09 Apr 2013 16:05:59
640-43026-b-4-b	(BCB)	0.3585	0.3428	09 Apr 2013 16:08:27
680-88980-b-8-f	(BCB)	2.4575	0.2199	09 Apr 2013 16:10:54
680-88980-b-8-g ms	(BCB)	3.5854	0.2940	09 Apr 2013 16:13:23
680-88980-b-8-h msd	(BCB)	3.6023	0.1124	09 Apr 2013 16:15:50
680-88980-b-25-d	(BCB)	1.4409	0.1162	09 Apr 2013 16:18:17
680-88980-a-26-b	(BCB)	3.0243	1.3541	09 Apr 2013 16:20:45
CCV		2.6841	0.6633	09 Apr 2013 16:23:13
CCB		-0.0257	-6.1001	09 Apr 2013 16:25:40
680-88980-a-27-b	(BCB)	1.7363	0.7006	09 Apr 2013 16:28:06

C04092013A

Method: Hg Norm2 Operator: Admin Date of Analysis: 09 Apr 2013 11:32:53

Sample ID	Extended ID	Mean	RSD	Date
680-88960-a-26-a	^20 (BCB)	2.5750	0.2310	09 Apr 2013 16:30:33
680-88960-a-26-b ms	^20 (BCB)	2.7871	0.6607	09 Apr 2013 16:33:01
680-88960-a-26-c msd	^20 (BCB)	2.6148	0.4259	09 Apr 2013 16:35:28
680-88960-a-27-a	(BCB)	0.8671	0.0257	09 Apr 2013 16:37:56
680-88960-a-28-a	(BCB)	0.7211	0.1116	09 Apr 2013 16:40:24
680-88960-a-33-a	^10 (BCB)	1.7662	0.4871	09 Apr 2013 16:42:52
680-88960-a-34-a	^20 (BCB)	1.3653	0.4688	09 Apr 2013 16:45:20
680-88960-a-35-a	(BCB)	2.9679	0.2256	09 Apr 2013 16:47:48
680-88960-a-37-a	^ 50 (BCB)	4.7345	0.3472	09 Apr 2013 16:50:16
CCV		2.5825	0.8080	09 Apr 2013 16:52:45
CCB		-0.0121	-12.5328	09 Apr 2013 16:55:12
680-88960-a-38-a	^ 50 (BCB)	2.7661	0.6359	09 Apr 2013 16:57:40
680-88960-a-39-a	(BCB)	0.8618	0.6303	09 Apr 2013 17:00:08
680-88960-a-41-a	^ 10 (BCB)	1.1862	0.0217	09 Apr 2013 17:02:36
680-88960-a-42-a	(BCB)	2.5773	1.0861	09 Apr 2013 17:05:06
CCV		2.3650	0.8401	09 Apr 2013 17:07:34
CCB		-0.0022	-58.8347	09 Apr 2013 17:10:02
640-43022-a-5-a	^20(BCB)	1.8367	1.0206	09 Apr 2013 17:17:48
CCV		2.4537	0.4685	09 Apr 2013 17:20:14
CCB		-0.0574	-0.2245	09 Apr 2013 17:22:40

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Batch Number: 272098 Batch Start Date: 04/05/13 15:15 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 04/08/13 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MS Cal Stk 00019	MS_LCS1_WK 00001	MS_LCS2_wk 00143
MB 680-272098/1		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL			
LCS 680-272098/3		3050B, 6010C		CALC NOT SET TO RUN	1.01 g	100 mL	2 mL		
680-89038-B-6	CV1311B-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-89038-B-6 MS	CV1311B-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL		1 mL	1 mL
680-89038-B-6 MSD	CV1311B-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL		1 mL	1 mL
680-89038-B-9	CV0053A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.17 g	100 mL			
680-89038-B-10	CV0053A-CSD	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL			
680-89038-B-30	CV1251B-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.16 g	100 mL			
680-89038-A-33	CV0053A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.08 g	100 mL			
680-89038-A-34	CV0053A-CSD (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-89038-A-35	CV1311B-CS-SP (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-89038-A-36	CV1251B-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.18 g	100 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment
MB 680-272098/1		3050B, 6010C		
LCS 680-272098/3		3050B, 6010C		SN LCS
680-89038-B-6	CV1311B-CS-SP	3050B, 6010C	T	
680-89038-B-6 MS	CV1311B-CS-SP	3050B, 6010C	T	
680-89038-B-6 MSD	CV1311B-CS-SP	3050B, 6010C	T	
680-89038-B-9	CV0053A-CS	3050B, 6010C	T	
680-89038-B-10	CV0053A-CSD	3050B, 6010C	T	
680-89038-B-30	CV1251B-CS	3050B, 6010C	T	
680-89038-A-33	CV0053A-CS (sieve)	3050B, 6010C	T	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Batch Number: 272098 Batch Start Date: 04/05/13 15:15 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date: 04/08/13 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
680-89038-A-34	CV0053A-CSD (sieve)	3050B, 6010C	T						
680-89038-A-35	CV1311B-CS-SP (sieve)	3050B, 6010C	T						
680-89038-A-36	CV1251B-CS (sieve)	3050B, 6010C	T						

Batch Notes	
Analyst	JL
Balance ID	25
Blank Soil Lot Number	2958846
Hydrogen peroxide lot number	52223236
Lot # of hydrochloric acid	24317
Lot # of Nitric Acid	L1200
Hood ID or number	FH-8
Hot Block ID number	8
Nominal Amount Used	1.0 g
Pipette ID	ME4
Perform Calculation (0=No, 1=Yes)	0
Temperature	95 Degrees C
ID number of the thermometer	MEPREP14
Digestion Tube/Cup Lot #	J155393-263-100

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Batch Number: 272221 Batch Start Date: 04/08/13 10:12 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/08/13 16:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00085	Hg_Int_Cal 00091	AnalysisComment	
MB 680-272221/1		7471B, 7471B		0.50 g	50 mL				
LCS 680-272221/2		7471B, 7471B		0.55 g	50 mL		0.25 mL		
680-89038-B-6	CV1311B-CS-SP	7471B, 7471B	T	0.59 g	50 mL				
680-89038-B-6 MS	CV1311B-CS-SP	7471B, 7471B	T	0.52 g	50 mL		0.1 mL		
680-89038-B-6 MSD	CV1311B-CS-SP	7471B, 7471B	T	0.55 g	50 mL		0.1 mL		
680-89038-B-9	CV0053A-CS	7471B, 7471B	T	0.57 g	50 mL				
680-89038-B-10	CV0053A-CSD	7471B, 7471B	T	0.52 g	50 mL				
680-89038-B-30	CV1251B-CS	7471B, 7471B	T	0.52 g	50 mL				
680-89038-A-33	CV0053A-CS (sieve)	7471B, 7471B	T	0.52 g	50 mL				
680-89038-A-34	CV0053A-CSD (sieve)	7471B, 7471B	T	0.52 g	50 mL				
680-89038-A-35	CV1311B-CS-SP (sieve)	7471B, 7471B	T	0.54 g	50 mL				
680-89038-A-36	CV1251B-CS (sieve)	7471B, 7471B	T	0.55 g	50 mL				
CCV 680-272221/31		7471B, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-272221/32		7471B, 7471B		50 mL	50 mL				
ICV 680-272221/34		7471B, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-272221/35		7471B, 7471B		50 mL	50 mL				
CRA 680-272221/36		7471B, 7471B		50 mL	50 mL		0.02 mL	0.20 standard used.	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89038-3

SDG No.:

Batch Number: 272221 Batch Start Date: 04/08/13 10:12 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/08/13 16:40

Batch Notes	
Hydroxylamine Sulfate Lot Number	2965828
Hydroxylamine Hydrochloride Lot	3001958
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	2968294
Lot # of Nitric Acid	2950992
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	01/03/13
Stannous Chloride Lot Number	3001827
SOP Number	ME1, ME7, ME10
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J147592-264-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Serial Number 63548

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

○ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	200548-1356	AL

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 1 OF 3

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: LL PAH	RCRA 8 Metals	NUMBER OF CONTAINERS SUBMITTED	REMARKS
								PRESERVATIVE			
4-3-13	0940	CV0496A-CS-SP	C		X			X			
	0950	CV0496B-CS-SP	C		X			X			
	0910	CV0497A-CS-SP	C		X			X			
	0920	CV0497B-CS-SP	C		X			X			
	1025	CV1311A-CS-SP	C		X			X			
	1035	CV1311B-CS-SP	C		X			X	X		
	1125	CV0052A-CS	C		X			X			
	1130	CV0052B-CS	C		X			X			
	0910	CV0053A-CS	C		X			X	X		
	0915	CV0053A-CSD	C		X			X	X		
	0925	CV0053B-CS	C		X			X			
	0930	CV0053C-CS	C		X			X			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4-4-13	0920						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	04/05/13	0957	YES ○ NO ○		680-89038	4.2°

TAL8240-680 (1008)

Serial Number 63550

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	2005148-1356	AL

PAGE 3 OF 3

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: 16 PAH	Metal RCRA8	NUMBER OF CONTAINERS SUBMITTED	REMARKS
		PRESERVATIVE									
4-3-13	1425	CV0332B-CS	C		X			X			
	1522	CV1193A-CS	C		X			X			
	1530	CV1193B-CS	C		X			X			
	1534	CV1193B-CSD	C		X			X			
	1342	CV1251A-CS	C		X			X			
	1350	CV1251B-CS	C		X			X	X		
	1315	CV1262A-CS	C		X			X			
	1320	CV1262B-CS	C		X			X			
	0910	CV0053A-CS (sieve)	C		X				X		
	0915	CV0053A-CSD (sieve)	C		X				X		
	1035	CV1311B-CS-SP (sieve)	C		X				X		
	1350	CV1251B-CS (sieve)	C		X				X		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4-4-13	0920						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	04/05/13	0957	YES ○ NO ○		680-89038	4.2°C

TAL8240-680 (1008)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-89038-3
Client Project/Site: 35th Avenue Superfund Site

For:
Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, Georgia 30060

Attn: Ms. Limari F Krebs

Authorized for release by:
4/17/2013 5:30:17 PM
Bernard Kirkland
Project Manager I
bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com

Job ID: 680-89038-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89038-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

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

RECEIPT

The samples were received on 04/05/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.2 C.

METALS (ICP)

Samples CV1311B-CS-SP (680-89038-6), CV0053A-CS (680-89038-9), CV0053A-CSD (680-89038-10), CV1251B-CS (680-89038-30), CV0053A-CS (sieve) (680-89038-33), CV0053A-CSD (sieve) (680-89038-34), CV1311B-CS-SP (sieve) (680-89038-35) and CV1251B-CS (sieve) (680-89038-36) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/05/2013 and analyzed on 04/10/2013.

Sample CV1251B-CS (680-89038-30)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV1311B-CS-SP (680-89038-6) in batch 680-272554. Also, Barium exceeded the rpd limit.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV1311B-CS-SP (680-89038-6), CV0053A-CS (680-89038-9), CV0053A-CSD (680-89038-10), CV1251B-CS (680-89038-30), CV0053A-CS (sieve) (680-89038-33), CV0053A-CSD (sieve) (680-89038-34), CV1311B-CS-SP (sieve) (680-89038-35) and CV1251B-CS (sieve) (680-89038-36) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/08/2013 and analyzed on 04/09/2013.

Mercury recovered outside the recovery criteria low for the MSD of sample CV1311B-CS-SPMSD (680-89038-6) in batch 680-272484.

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

No other difficulties were encountered during the mercury analyses.

All other quality control parameters were within the acceptance limits.

Job ID: 680-89038-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89038-6	CV1311B-CS-SP	Solid	04/03/13 10:35	04/05/13 11:23
680-89038-9	CV0053A-CS	Solid	04/03/13 09:10	04/05/13 11:23
680-89038-10	CV0053A-CSD	Solid	04/03/13 09:15	04/05/13 11:23
680-89038-30	CV1251B-CS	Solid	04/03/13 13:50	04/05/13 11:23
680-89038-33	CV0053A-CS (sieve)	Solid	04/03/13 09:10	04/05/13 11:23
680-89038-34	CV0053A-CSD (sieve)	Solid	04/03/13 09:15	04/05/13 11:23
680-89038-35	CV1311B-CS-SP (sieve)	Solid	04/03/13 10:35	04/05/13 11:23
680-89038-36	CV1251B-CS (sieve)	Solid	04/03/13 13:50	04/05/13 11:23

Method Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL SAV
7471B	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL TAM
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits

Glossary

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

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Client Sample ID: CV1311B-CS-SP

Lab Sample ID: 680-89038-6
Date Collected: 04/03/13 10:35
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	40		3.2	0.96	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Barium	430		1.6	0.49	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Cadmium	3.2		0.81	0.16	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Chromium	55		1.6	0.81	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Lead	430		1.6	0.86	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Selenium	4.1	U	4.1	1.6	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1
Silver	2.6		1.6	0.16	mg/Kg	☼	04/05/13 15:15	04/10/13 00:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.63		0.028	0.012	mg/Kg	☼	04/08/13 10:12	04/09/13 13:33	1

Client Sample ID: CV0053A-CS

Lab Sample ID: 680-89038-9
Date Collected: 04/03/13 09:10
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	33		2.9	0.85	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Barium	300		1.4	0.43	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Cadmium	1.9		0.72	0.14	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Chromium	89		1.4	0.72	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Lead	300		1.4	0.76	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Selenium	3.6	U	3.6	1.4	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1
Silver	1.4	U	1.4	0.14	mg/Kg	☼	04/05/13 15:15	04/10/13 00:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31		0.029	0.012	mg/Kg	☼	04/08/13 10:12	04/09/13 13:41	1

Client Sample ID: CV0053A-CSD

Lab Sample ID: 680-89038-10
Date Collected: 04/03/13 09:15
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 69.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	27		2.7	0.78	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Barium	280		1.3	0.40	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Cadmium	1.8		0.66	0.13	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Chromium	74		1.3	0.66	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Lead	270		1.3	0.70	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Selenium	3.0	J	3.3	1.3	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1
Silver	1.3	U	1.3	0.13	mg/Kg	☼	04/05/13 15:15	04/10/13 00:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.32		0.028	0.011	mg/Kg	☼	04/08/13 10:12	04/09/13 13:43	1

Client Sample ID: CV1251B-CS

Lab Sample ID: 680-89038-30
Date Collected: 04/03/13 13:50
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	41		2.9	0.85	mg/Kg	☼	04/05/13 15:15	04/10/13 01:10	1
Barium	870		1.4	0.43	mg/Kg	☼	04/05/13 15:15	04/10/13 01:10	1
Cadmium	2.5		0.72	0.14	mg/Kg	☼	04/05/13 15:15	04/10/13 01:10	1
Chromium	100		7.2	3.6	mg/Kg	☼	04/05/13 15:15	04/10/13 18:49	5
Lead	410		1.4	0.77	mg/Kg	☼	04/05/13 15:15	04/10/13 01:10	1
Selenium	18	U	18	7.2	mg/Kg	☼	04/05/13 15:15	04/10/13 18:49	5
Silver	7.2	U	7.2	0.69	mg/Kg	☼	04/05/13 15:15	04/10/13 18:49	5

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50		0.032	0.013	mg/Kg	☼	04/08/13 10:12	04/09/13 13:46	1

Client Sample ID: CV0053A-CS (sieve)

Lab Sample ID: 680-89038-33
Date Collected: 04/03/13 09:10
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 80.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		2.3	0.68	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Barium	250		1.2	0.35	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Cadmium	1.5		0.58	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Chromium	58		1.2	0.58	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Lead	240		1.2	0.61	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Selenium	2.1	J	2.9	1.2	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	04/05/13 15:15	04/10/13 01:16	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.024	0.0099	mg/Kg	☼	04/08/13 10:12	04/09/13 13:48	1

Client Sample ID: CV0053A-CSD (sieve)

Lab Sample ID: 680-89038-34
Date Collected: 04/03/13 09:15
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 80.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	29		2.4	0.71	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Barium	300		1.2	0.36	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Cadmium	1.5		0.60	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Chromium	74		1.2	0.60	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Lead	240		1.2	0.64	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1
Silver	1.2	U	1.2	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.024	0.0099	mg/Kg	☼	04/08/13 10:12	04/09/13 13:51	1

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Client Sample ID: CV1311B-CS-SP (sieve)

Lab Sample ID: 680-89038-35
Date Collected: 04/03/13 10:35
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 78.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	46		2.4	0.71	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Barium	370		1.2	0.36	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Cadmium	2.9		0.60	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Chromium	47		1.2	0.60	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Lead	390		1.2	0.64	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Selenium	3.0	U	3.0	1.2	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1
Silver	2.5		1.2	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:26	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.023	0.0096	mg/Kg	☼	04/08/13 10:12	04/09/13 13:53	1

Client Sample ID: CV1251B-CS (sieve)

Lab Sample ID: 680-89038-36
Date Collected: 04/03/13 13:50
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 72.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	32		2.3	0.69	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Barium	520		1.2	0.35	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Cadmium	2.2		0.58	0.12	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Chromium	81		1.2	0.58	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Lead	340		1.2	0.62	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1
Silver	0.25	J	1.2	0.11	mg/Kg	☼	04/05/13 15:15	04/10/13 01:32	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.45		0.025	0.010	mg/Kg	☼	04/08/13 10:12	04/09/13 14:00	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-272098/1-A
Matrix: Solid
Analysis Batch: 272554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 272098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	U	1.9	0.57	mg/Kg		04/05/13 15:15	04/09/13 23:26	1
Barium	0.96	U	0.96	0.29	mg/Kg		04/05/13 15:15	04/09/13 23:26	1
Cadmium	0.48	U	0.48	0.096	mg/Kg		04/05/13 15:15	04/09/13 23:26	1
Chromium	0.96	U	0.96	0.48	mg/Kg		04/05/13 15:15	04/09/13 23:26	1
Lead	0.96	U	0.96	0.51	mg/Kg		04/05/13 15:15	04/09/13 23:26	1
Selenium	2.4	U	2.4	0.96	mg/Kg		04/05/13 15:15	04/09/13 23:26	1
Silver	0.96	U	0.96	0.092	mg/Kg		04/05/13 15:15	04/09/13 23:26	1

Lab Sample ID: LCS 680-272098/3-A
Matrix: Solid
Analysis Batch: 272554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 272098

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.8	19.5		mg/Kg		99	75 - 125
Barium	19.8	19.2		mg/Kg		97	75 - 125
Cadmium	19.8	20.2		mg/Kg		102	75 - 125
Chromium	19.8	20.7		mg/Kg		104	75 - 125
Lead	19.8	19.3		mg/Kg		98	75 - 125
Selenium	19.8	19.9		mg/Kg		100	75 - 125
Silver	19.8	19.9		mg/Kg		101	75 - 125

Lab Sample ID: 680-89038-6 MS
Matrix: Solid
Analysis Batch: 272554

Client Sample ID: CV1311B-CS-SP
Prep Type: Total/NA
Prep Batch: 272098

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	40		16.4	65.7	F	mg/Kg	☼	155	75 - 125
Barium	430		16.4	530	4	mg/Kg	☼	625	75 - 125
Cadmium	3.2		8.18	11.5		mg/Kg	☼	102	75 - 125
Chromium	55		16.4	77.5	F	mg/Kg	☼	136	75 - 125
Lead	430		8.18	522	4	mg/Kg	☼	1187	75 - 125
Selenium	4.1	U	16.4	15.9		mg/Kg	☼	97	75 - 125
Silver	2.6		8.18	5.19	F	mg/Kg	☼	31	75 - 125

Lab Sample ID: 680-89038-6 MSD
Matrix: Solid
Analysis Batch: 272554

Client Sample ID: CV1311B-CS-SP
Prep Type: Total/NA
Prep Batch: 272098

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	40		16.4	62.7	F	mg/Kg	☼	136	75 - 125	5	20
Barium	430		16.4	431	4 F	mg/Kg	☼	20	75 - 125	21	20
Cadmium	3.2		8.18	11.2		mg/Kg	☼	98	75 - 125	3	20
Chromium	55		16.4	83.5	F	mg/Kg	☼	173	75 - 125	7	20
Lead	430		8.18	457	4	mg/Kg	☼	388	75 - 125	13	20
Selenium	4.1	U	16.4	16.4		mg/Kg	☼	100	75 - 125	3	20
Silver	2.6		8.18	4.94	F	mg/Kg	☼	28	75 - 125	5	20

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Lab Sample ID: MB 680-272221/1-A
Matrix: Solid
Analysis Batch: 272484

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 272221

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0082	mg/Kg		04/08/13 10:12	04/09/13 12:52	1

Lab Sample ID: LCS 680-272221/2-A
Matrix: Solid
Analysis Batch: 272484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 272221

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.227	0.245		mg/Kg		108	80 - 120

Lab Sample ID: 680-89038-6 MS
Matrix: Solid
Analysis Batch: 272484

Client Sample ID: CV1311B-CS-SP
Prep Type: Total/NA
Prep Batch: 272221

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.63		0.160	0.782	4	mg/Kg	☼	98	80 - 120

Lab Sample ID: 680-89038-6 MSD
Matrix: Solid
Analysis Batch: 272484

Client Sample ID: CV1311B-CS-SP
Prep Type: Total/NA
Prep Batch: 272221

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.63		0.152	0.724	4	mg/Kg	☼	65	80 - 120	8	20

Metals

Prep Batch: 272098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-6	CV1311B-CS-SP	Total/NA	Solid	3050B	
680-89038-6 MS	CV1311B-CS-SP	Total/NA	Solid	3050B	
680-89038-6 MSD	CV1311B-CS-SP	Total/NA	Solid	3050B	
680-89038-9	CV0053A-CS	Total/NA	Solid	3050B	
680-89038-10	CV0053A-CSD	Total/NA	Solid	3050B	
680-89038-30	CV1251B-CS	Total/NA	Solid	3050B	
680-89038-33	CV0053A-CS (sieve)	Total/NA	Solid	3050B	
680-89038-34	CV0053A-CSD (sieve)	Total/NA	Solid	3050B	
680-89038-35	CV1311B-CS-SP (sieve)	Total/NA	Solid	3050B	
680-89038-36	CV1251B-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-272098/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-272098/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 272221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-6	CV1311B-CS-SP	Total/NA	Solid	7471B	
680-89038-6 MS	CV1311B-CS-SP	Total/NA	Solid	7471B	
680-89038-6 MSD	CV1311B-CS-SP	Total/NA	Solid	7471B	
680-89038-9	CV0053A-CS	Total/NA	Solid	7471B	
680-89038-10	CV0053A-CSD	Total/NA	Solid	7471B	
680-89038-30	CV1251B-CS	Total/NA	Solid	7471B	
680-89038-33	CV0053A-CS (sieve)	Total/NA	Solid	7471B	
680-89038-34	CV0053A-CSD (sieve)	Total/NA	Solid	7471B	
680-89038-35	CV1311B-CS-SP (sieve)	Total/NA	Solid	7471B	
680-89038-36	CV1251B-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-272221/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-272221/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 272484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-6	CV1311B-CS-SP	Total/NA	Solid	7471B	272221
680-89038-6 MS	CV1311B-CS-SP	Total/NA	Solid	7471B	272221
680-89038-6 MSD	CV1311B-CS-SP	Total/NA	Solid	7471B	272221
680-89038-9	CV0053A-CS	Total/NA	Solid	7471B	272221
680-89038-10	CV0053A-CSD	Total/NA	Solid	7471B	272221
680-89038-30	CV1251B-CS	Total/NA	Solid	7471B	272221
680-89038-33	CV0053A-CS (sieve)	Total/NA	Solid	7471B	272221
680-89038-34	CV0053A-CSD (sieve)	Total/NA	Solid	7471B	272221
680-89038-35	CV1311B-CS-SP (sieve)	Total/NA	Solid	7471B	272221
680-89038-36	CV1251B-CS (sieve)	Total/NA	Solid	7471B	272221
LCS 680-272221/2-A	Lab Control Sample	Total/NA	Solid	7471B	272221
MB 680-272221/1-A	Method Blank	Total/NA	Solid	7471B	272221

Analysis Batch: 272554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-6	CV1311B-CS-SP	Total/NA	Solid	6010C	272098
680-89038-6 MS	CV1311B-CS-SP	Total/NA	Solid	6010C	272098
680-89038-6 MSD	CV1311B-CS-SP	Total/NA	Solid	6010C	272098
680-89038-9	CV0053A-CS	Total/NA	Solid	6010C	272098
680-89038-10	CV0053A-CSD	Total/NA	Solid	6010C	272098
680-89038-30	CV1251B-CS	Total/NA	Solid	6010C	272098

Metals (Continued)

Analysis Batch: 272554 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-33	CV0053A-CS (sieve)	Total/NA	Solid	6010C	272098
680-89038-34	CV0053A-CSD (sieve)	Total/NA	Solid	6010C	272098
680-89038-35	CV1311B-CS-SP (sieve)	Total/NA	Solid	6010C	272098
680-89038-36	CV1251B-CS (sieve)	Total/NA	Solid	6010C	272098
LCS 680-272098/3-A	Lab Control Sample	Total/NA	Solid	6010C	272098
MB 680-272098/1-A	Method Blank	Total/NA	Solid	6010C	272098

Analysis Batch: 272682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-30	CV1251B-CS	Total/NA	Solid	6010C	272098

General Chemistry

Analysis Batch: 136226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-6	CV1311B-CS-SP	Total/NA	Solid	Moisture	
680-89038-6 MS	CV1311B-CS-SP	Total/NA	Solid	Moisture	
680-89038-6 MSD	CV1311B-CS-SP	Total/NA	Solid	Moisture	
680-89038-9	CV0053A-CS	Total/NA	Solid	Moisture	
680-89038-10	CV0053A-CSD	Total/NA	Solid	Moisture	
680-89038-30	CV1251B-CS	Total/NA	Solid	Moisture	

Analysis Batch: 272365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89038-33	CV0053A-CS (sieve)	Total/NA	Solid	Moisture	
680-89038-34	CV0053A-CSD (sieve)	Total/NA	Solid	Moisture	
680-89038-35	CV1311B-CS-SP (sieve)	Total/NA	Solid	Moisture	
680-89038-36	CV1251B-CS (sieve)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Client Sample ID: CV1311B-CS-SP

Lab Sample ID: 680-89038-6
Date Collected: 04/03/13 10:35
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272221	04/08/13 10:12	UU	TAL SAV
Total/NA	Analysis	7471B		1	272484	04/09/13 13:33	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		1	272554	04/10/13 00:21	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV0053A-CS

Lab Sample ID: 680-89038-9
Date Collected: 04/03/13 09:10
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272221	04/08/13 10:12	UU	TAL SAV
Total/NA	Analysis	7471B		1	272484	04/09/13 13:41	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		1	272554	04/10/13 00:48	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV0053A-CSD

Lab Sample ID: 680-89038-10
Date Collected: 04/03/13 09:15
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 69.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272221	04/08/13 10:12	UU	TAL SAV
Total/NA	Analysis	7471B		1	272484	04/09/13 13:43	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		1	272554	04/10/13 00:54	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV1251B-CS

Lab Sample ID: 680-89038-30
Date Collected: 04/03/13 13:50
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 59.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272221	04/08/13 10:12	UU	TAL SAV
Total/NA	Analysis	7471B		1	272484	04/09/13 13:46	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		1	272554	04/10/13 01:10	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		5	272682	04/10/13 18:49	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136226	04/08/13 13:01	AG	TAL TAM

Client Sample ID: CV0053A-CS (sieve)

Lab Sample ID: 680-89038-33

Date Collected: 04/03/13 09:10
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272221	04/08/13 10:12	UU	TAL SAV
Total/NA	Analysis	7471B		1	272484	04/09/13 13:48	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		1	272554	04/10/13 01:16	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	272365	04/09/13 11:05	FS	TAL SAV

Client Sample ID: CV0053A-CSD (sieve)

Lab Sample ID: 680-89038-34

Date Collected: 04/03/13 09:15
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272221	04/08/13 10:12	UU	TAL SAV
Total/NA	Analysis	7471B		1	272484	04/09/13 13:51	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		1	272554	04/10/13 01:21	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	272365	04/09/13 11:05	FS	TAL SAV

Client Sample ID: CV1311B-CS-SP (sieve)

Lab Sample ID: 680-89038-35

Date Collected: 04/03/13 10:35
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272221	04/08/13 10:12	UU	TAL SAV
Total/NA	Analysis	7471B		1	272484	04/09/13 13:53	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		1	272554	04/10/13 01:26	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	272365	04/09/13 11:05	FS	TAL SAV

Client Sample ID: CV1251B-CS (sieve)

Lab Sample ID: 680-89038-36

Date Collected: 04/03/13 13:50
Matrix: Solid
Date Received: 04/05/13 11:23
Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272221	04/08/13 10:12	UU	TAL SAV
Total/NA	Analysis	7471B		1	272484	04/09/13 14:00	BCB	TAL SAV
Total/NA	Prep	3050B			272098	04/05/13 15:15	JKL	TAL SAV
Total/NA	Analysis	6010C		1	272554	04/10/13 01:32	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	272365	04/09/13 11:05	FS	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = TestAmerica Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Serial Number 63548

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

○ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE: 35th Ave Removal
PROJECT NO.: 200548-1356
PROJECT LOCATION (STATE): AL
PAGE 1 OF 3

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

STANDARD REPORT DELIVERY ○
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	REQUIRED ANALYSIS: LL PAH	RCRA 8 Metals	PRESERVATIVE	REMARKS
4-3-13	0940	CV0496A-CS-SP	C		X			X			
	0950	CV0496B-CS-SP	C		X			X			
	0910	CV0497A-CS-SP	C		X			X			
	0920	CV0497B-CS-SP	C		X			X			
	1025	CV1311A-CS-SP	C		X			X			
	1035	CV1311B-CS-SP	C		X			X	X		
	1125	CV0052A-CS	C		X			X			
	1130	CV0052B-CS	C		X			X			
	0910	CV0053A-CS	C		X			X	X		
	0915	CV0053A-CSD	C		X			X	X		
	0925	CV0053B-CS	C		X			X			
↓	0930	CV0053C-CS	C		X			X			

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4-4-13	0920						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	04/05/13	0957	YES ○ NO ○		680-89038	4.2°C

TAL8240-680 (1008)

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4/17/2013

Serial Number 63550

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

◯ **TestAmerica Savannah**
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

◯ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	MATRIX TYPE	REQUIRED ANALYSIS	PAGE	OF
35th Ave Removal	2005148-1356	AL			3	3

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

REQUIRED ANALYSIS: LL PAH; Metal RCRA 8

PRESERVATIVE

STANDARD REPORT DELIVERY ◯ DATE DUE ______

EXPEDITED REPORT DELIVERY (SURCHARGE) ◯ DATE DUE ______

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PAH	Metal RCRA 8								REMARKS
4-3-13	1425	CV0332B-CS	C		X			X									
	1522	CV1193A-CS	C		X			X									
	1530	CV1193B-CS	C		X			X									
	1534	CV1193B-CSD	C		X			X									
	1342	CV1251A-CS	C		X			X									
	1350	CV1251B-CS	C		X			X	X								
	1315	CV1262A-CS	C		X			X									
	1320	CV1262B-CS	C		X			X									
	0910	CV0053A-CS (sieve)	C		X				X								
	0915	CV0053A-CSD (sieve)	C		X				X								
	1035	CV1311B-CS-SP (sieve)	C		X				X								
	1350	CV1251B-CS (sieve)	C		X				X								

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4-4-13	0920						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	04/10/13	0957	YES ◯ NO ◯		680-89038	4.2°C

TAL8240-680 (1008)

4/17/2013

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-3

Login Number: 89038

List Source: TestAmerica Savannah

List Number: 1

Creator: Barnett, Eddie T

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89038-3

Login Number: 89038
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa
List Creation: 04/08/13 12:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Guam	State Program	9	09-005r	04-17-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
New York	NELAP	2	10842	04-01-14
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-13
Oklahoma	State Program	6	9984	08-31-13
Pennsylvania	NELAP	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-14
South Carolina	State Program	4	98001	06-30-13
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAP	6	T104704185-08-TX	11-30-13
USDA	Federal		SAV 3-04	04-07-14
Virginia	NELAP	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-13
West Virginia DEP	State Program	3	94	06-30-13
Wisconsin	State Program	5	999819810	08-31-13
Wyoming	State Program	8	8TMS-Q	06-30-13

Laboratory: TestAmerica Tampa

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alabama	State Program	4	40610	06-30-13
Florida	NELAP	4	E84282	06-30-13

* Expired certification is currently pending renewal and is considered valid.

Certification Summary

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89038-3

Laboratory: TestAmerica Tampa (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Georgia	State Program	4	905	06-30-13
USDA	Federal		P330-11-00177	04-20-14