REDACTED

Data Validation Checklist
Inorganic Analyses

Project:	35TH Avenue Superfund Site	Project No:	15268508.20000
Laboratory:	TestAmerica - Savannah, GA	Job ID.:	680-89220-4
Method:	SW-846 6010C and 7471B	Associated Samples:	Refer to **Attachment A** (Sample Summary)
Matrix:	Soil	Date Collected:	04/08/2013 & 04/09/2013
Reviewer:	Karen Marie Trujillo, URS Group	Date:	05/01/2013
Concurrence[1]:	Nicole Lancaster / Martha Meyers-Lee, URS Group	Date:	05/08/2013

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 04113-RB-Bowls + Spoons (680-89275-1) was collected during the week of 4/08/13. Target analytes were not detected during the EPA Methods 200.7 and 245.1 analyses of the rinsate blank, and all results were reported under Test America Job ID 680-89275-3.	
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			✓	Method and rinsate blank contamination does not exist.	
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?		✓			
15. Was precision deemed acceptable as defined by the project plans?			✓		
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? o 6010C: • 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:	✓			• 6010C: 04/16/2013, instrument ICPF. One blank and one standard initially per analytical batch. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 7471B: 04/12/2013, 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.	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
• 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					
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 ▪ 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	✓			The mercury correlation coefficient for ICAL of 04/12/2013 is 0.9997386 (page 205).	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
▪ 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 • LCS result < Lower control limit (LCL): J- flag positive results and UJ flag non-detects o 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	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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 272808: 680-89220-9 (CV-0637D-CS-SP), MS/MSD • 7471B, Prep Batch 272776: 680-89220-9 (CV-0637D-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: 680-89220-9 (CV0637D-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, o 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 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		✓		CV-0637D-CS-SP (680-89220-9) • Barium @ 228 and 314 %R (75-125). An evaluation of interference is not possible based on MS and MSD results[2]. PDS recovery (101%) fell within control limits (75-125). • Chromium @ 216 and 105 %R (75-125). An evaluation of interference is not possible based on MS and MSD results[2]. PDS recovery (97%) fell within control limits (75-125). • Lead @ 331 and 318 %R (75-125). An evaluation of interference is not possible based on MS, MSD, and PDS results[2]. • Silver @ 20 and 31 %R (75-125). PDS recovery (100%) fell within control limits (75-125). J Flag result. • Mercury @ 132 and 97 %R (80-120). Qualification of the data is not necessary[3].	J

[2] The native sample concentration is greater than 4x the MS/MSD spiking level. In addition, the lead native sample concentration is greater than 4x the PDS spiking level.
[3] The recovery of either the MS or MSD fell within control limits.

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
• 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					
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.	✓				
28. Was a serial dilution conducted for 6010C?	✓			6010C: 680-89220-9 (CV0637D-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 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 B** (Case Narrative)	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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 C**). 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: 680-89220-4
SDG: 68089220-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89220-9	CV0637D-CS-SP	Solid	04/08/13 15:20	04/11/13 10:45
680-89220-16	CV1100A-CS	Solid	04/09/13 14:20	04/11/13 10:45
680-89220-17	CV1099A-CS	Solid	04/09/13 14:40	04/11/13 10:45
680-89220-42	HP0283A-CS-SP	Solid	04/09/13 08:45	04/11/13 10:45
680-89220-45	CV0637D-CS-SP (sieve)	Solid	04/08/13 15:20	04/11/13 10:45
680-89220-46	HP0283A-CS-SP (sieve)	Solid	04/09/13 08:45	04/11/13 10:45
680-89220-47	CV110A-CS (sieve)	Solid	04/09/13 14:20	04/11/13 10:45
680-89220-48	CV1099A-CS (sieve)	Solid	04/09/13 14:40	04/11/13 10:45

ATTACHMENT B

CASE NARRATIVE

Job ID: 680-89220-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89220-4

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 04/11/2013 in Savannah; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt in Savannah was 2.2 C. Savannah shipped the samples for 8270 PAH analysis to Tampa on 04/11/2013. FEDEX lost track of the cooler, and did not deliver until 04/15/2013. The coolers were out of temp at receipt in Tampa. For this SDG only the % moisture determination was afftected as the metals analysis was performed in Savannah from a separate container volume.

METALS (ICP)

Samples CV0637D-CS-SP (680-89220-9), CV1100A-CS (680-89220-16), CV1099A-CS (680-89220-17), HP0283A-CS-SP (680-89220-42), CV0637D-CS-SP (sieve) (680-89220-45), HP0283A-CS-SP (sieve) (680-89220-46), CV110A-CS (sieve) (680-89220-47) and CV1099A-CS (sieve) (680-89220-48) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/12/2013 and analyzed on 04/16/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0637D-CS-SP (680-89220-9) in batch 680-273364.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0637D-CS-SP (680-89220-9), CV1100A-CS (680-89220-16), CV1099A-CS (680-89220-17), HP0283A-CS-SP (680-89220-42), CV0637D-CS-SP (sieve) (680-89220-45), HP0283A-CS-SP (sieve) (680-89220-46), CV110A-CS (sieve) (680-89220-47) and CV1099A-CS (sieve) (680-89220-48) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/11/2013 and analyzed on 04/12/2013.

Mercury recovered outside the recovery criteria for the MS of sample CV0637D-CS-SPMS (680-89220-9) in batch 680-273060.

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.

ATTACHMENT C

QUALIFIED SAMPLE RESULTS

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

TestAmerica Job ID: 680-89220-4
SDG: 68089220-4

Client Sample ID: CV0637D-CS-SP

Lab Sample ID: 680-89220-9
Date Collected: 04/08/13 15:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 66.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		2.7	0.80	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Barium	230		1.4	0.41	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Cadmium	1.5		0.68	0.14	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Chromium	69		1.4	0.68	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Lead	320		1.4	0.72	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Selenium	7.0		3.4	1.4	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Silver	1.9	J	1.4	0.13	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	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	0.33		0.026	0.011	mg/Kg	☼	04/11/13 16:29	04/12/13 15:11	1

Client Sample ID: CV1100A-CS

Lab Sample ID: 680-89220-16
Date Collected: 04/09/13 14:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 77.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31		2.5	0.74	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Barium	390		1.3	0.38	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Cadmium	1.5		0.63	0.13	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Chromium	93		1.3	0.63	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Lead	320		1.3	0.66	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Selenium	8.8		3.1	1.3	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Silver	1.3	U	1.3	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	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	0.40		0.023	0.0096	mg/Kg	☼	04/11/13 16:29	04/12/13 15:18	1

Client Sample ID: CV1099A-CS

Lab Sample ID: 680-89220-17
Date Collected: 04/09/13 14:40
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 61.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		3.1	0.91	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Barium	400		1.5	0.46	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Cadmium	2.8		0.77	0.15	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Chromium	79		1.5	0.77	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Lead	450		1.5	0.82	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Selenium	6.8		3.9	1.5	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Silver	1.5	U	1.5	0.15	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	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		0.032	0.013	mg/Kg	☼	04/11/13 16:29	04/12/13 15:21	1

Client Sample ID: HP0283A-CS-SP

Lab Sample ID: 680-89220-42

Date Collected: 04/09/13 08:45
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 67.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	41		2.5	0.74	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Barium	170		1.3	0.38	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Cadmium	2.4		0.63	0.13	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Chromium	120		1.3	0.63	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Lead	420		1.3	0.67	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Selenium	6.1		3.1	1.3	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Silver	0.65	J	1.3	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	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	0.18		0.027	0.011	mg/Kg	☼	04/11/13 16:29	04/12/13 15:28	1

Client Sample ID: CV0637D-CS-SP (sieve)

Lab Sample ID: 680-89220-45

Date Collected: 04/08/13 15:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 79.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		2.3	0.68	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Barium	240		1.1	0.34	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Cadmium	1.4		0.57	0.11	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Chromium	63		1.1	0.57	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Lead	330		1.1	0.61	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Selenium	4.0		2.9	1.1	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Silver	2.1		1.1	0.11	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	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		0.022	0.0092	mg/Kg	☼	04/11/13 16:29	04/12/13 15:30	1

Client Sample ID: HP0283A-CS-SP (sieve)

Lab Sample ID: 680-89220-46

Date Collected: 04/09/13 08:45
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 78.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	36		2.4	0.72	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Barium	170		1.2	0.37	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Cadmium	2.3		0.61	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Chromium	77		1.2	0.61	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Lead	380		1.2	0.65	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Selenium	4.1		3.0	1.2	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Silver	0.83	J	1.2	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	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	0.15		0.022	0.0090	mg/Kg	☼	04/11/13 16:29	04/12/13 15:33	1

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

TestAmerica Job ID: 680-89220-4
SDG: 68089220-4

Client Sample ID: CV110A-CS (sieve)

Lab Sample ID: 680-89220-47
Date Collected: 04/09/13 14:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 81.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.5	0.73	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Barium	480		1.2	0.37	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Cadmium	2.0		0.62	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Chromium	86		1.2	0.62	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Lead	400		1.2	0.65	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Selenium	5.7		3.1	1.2	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Silver	0.14	J	1.2	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	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	0.46		0.023	0.0093	mg/Kg	☼	04/11/13 16:29	04/12/13 15:35	1

Client Sample ID: CV1099A-CS (sieve)

Lab Sample ID: 680-89220-48
Date Collected: 04/09/13 14:40
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 82.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		2.4	0.70	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Barium	370		1.2	0.36	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Cadmium	2.3		0.60	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Chromium	65		1.2	0.60	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Lead	380		1.2	0.63	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Selenium	4.5		3.0	1.2	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	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	0.24		0.022	0.0088	mg/Kg	☼	04/11/13 16:29	04/12/13 15:38	1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 680-89220-4

SDG Number: 68089220-4

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
4/23/2013 9:11 AM

Designee for
Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com
04/23/2013

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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NELAP ACCREDITED TNI LABORATORY

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89220-4

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 04/11/2013 in Savannah; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt in Savannah was 2.2 C. Savannah shipped the samples for 8270 PAH analysis to Tampa on 04/11/2013. FEDEX lost track of the cooler, and did not deliver until 04/15/2013. The coolers were out of temp at receipt in Tampa. For this SDG only the % moisture determination was afftected as the metals analysis was performed in Savannah from a separate container volume.

METALS (ICP)

Samples CV0637D-CS-SP (680-89220-9), CV1100A-CS (680-89220-16), CV1099A-CS (680-89220-17), HP0283A-CS-SP (680-89220-42), CV0637D-CS-SP (sieve) (680-89220-45), HP0283A-CS-SP (sieve) (680-89220-46), CV110A-CS (sieve) (680-89220-47) and CV1099A-CS (sieve) (680-89220-48) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/12/2013 and analyzed on 04/16/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0637D-CS-SP (680-89220-9) in batch 680-273364.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0637D-CS-SP (680-89220-9), CV1100A-CS (680-89220-16), CV1099A-CS (680-89220-17), HP0283A-CS-SP (680-89220-42), CV0637D-CS-SP (sieve) (680-89220-45), HP0283A-CS-SP (sieve) (680-89220-46), CV110A-CS (sieve) (680-89220-47) and CV1099A-CS (sieve) (680-89220-48) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/11/2013 and analyzed on 04/12/2013.

Mercury recovered outside the recovery criteria for the MS of sample CV0637D-CS-SPMS (680-89220-9) in batch 680-273060.

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: 680-89220-4
Sdg Number: 68089220-4

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-89220-9	CV0637D-CS-SP	Solid	04/08/2013 1520	04/11/2013 1045
680-89220-9MS	CV0637D-CS-SP	Solid	04/08/2013 1520	04/11/2013 1045
680-89220-9MSD	CV0637D-CS-SP	Solid	04/08/2013 1520	04/11/2013 1045
680-89220-16	CV1100A-CS	Solid	04/09/2013 1420	04/11/2013 1045
680-89220-17	CV1099A-CS	Solid	04/09/2013 1440	04/11/2013 1045
680-89220-42	HP0283A-CS-SP	Solid	04/09/2013 0845	04/11/2013 1045
680-89220-45	CV0637D-CS-SP (sieve)	Solid	04/08/2013 1520	04/11/2013 1045
680-89220-46	HP0283A-CS-SP (sieve)	Solid	04/09/2013 0845	04/11/2013 1045
680-89220-47	CV110A-CS (sieve)	Solid	04/09/2013 1420	04/11/2013 1045
680-89220-48	CV1099A-CS (sieve)	Solid	04/09/2013 1440	04/11/2013 1045

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89220-4
Sdg Number: 68089220-4

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: 680-89220-4
Sdg Number: 68089220-4

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: 680-89220-4
Sdg Number: 68089220-4

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.

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89220-4
Sdg Number: 68089220-4

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-272776					
LCS 680-272776/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-272776/1-A	Method Blank	T	Solid	7471B	
680-89220-9	CV0637D-CS-SP	T	Solid	7471B	
680-89220-9MS	Matrix Spike	T	Solid	7471B	
680-89220-9MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-89220-16	CV1100A-CS	T	Solid	7471B	
680-89220-17	CV1099A-CS	T	Solid	7471B	
680-89220-42	HP0283A-CS-SP	T	Solid	7471B	
680-89220-45	CV0637D-CS-SP (sieve)	T	Solid	7471B	
680-89220-46	HP0283A-CS-SP (sieve)	T	Solid	7471B	
680-89220-47	CV110A-CS (sieve)	T	Solid	7471B	
680-89220-48	CV1099A-CS (sieve)	T	Solid	7471B	
Prep Batch: 680-272808					
LCS 680-272808/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-272808/1-A	Method Blank	T	Solid	3050B	
680-89220-9	CV0637D-CS-SP	T	Solid	3050B	
680-89220-9MS	Matrix Spike	T	Solid	3050B	
680-89220-9MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-89220-16	CV1100A-CS	T	Solid	3050B	
680-89220-17	CV1099A-CS	T	Solid	3050B	
680-89220-42	HP0283A-CS-SP	T	Solid	3050B	
680-89220-45	CV0637D-CS-SP (sieve)	T	Solid	3050B	
680-89220-46	HP0283A-CS-SP (sieve)	T	Solid	3050B	
680-89220-47	CV110A-CS (sieve)	T	Solid	3050B	
680-89220-48	CV1099A-CS (sieve)	T	Solid	3050B	
Analysis Batch:680-273060					
LCS 680-272776/2-A	Lab Control Sample	T	Solid	7471B	680-272776
MB 680-272776/1-A	Method Blank	T	Solid	7471B	680-272776
680-89220-9	CV0637D-CS-SP	T	Solid	7471B	680-272776
680-89220-9MS	Matrix Spike	T	Solid	7471B	680-272776
680-89220-9MSD	Matrix Spike Duplicate	T	Solid	7471B	680-272776
680-89220-16	CV1100A-CS	T	Solid	7471B	680-272776
680-89220-17	CV1099A-CS	T	Solid	7471B	680-272776
680-89220-42	HP0283A-CS-SP	T	Solid	7471B	680-272776
680-89220-45	CV0637D-CS-SP (sieve)	T	Solid	7471B	680-272776
680-89220-46	HP0283A-CS-SP (sieve)	T	Solid	7471B	680-272776
680-89220-47	CV110A-CS (sieve)	T	Solid	7471B	680-272776
680-89220-48	CV1099A-CS (sieve)	T	Solid	7471B	680-272776

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89220-4
Sdg Number: 68089220-4

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:680-273364					
LCS 680-272808/3-A	Lab Control Sample	T	Solid	6010C	680-272808
MB 680-272808/1-A	Method Blank	T	Solid	6010C	680-272808
680-89220-9	CV0637D-CS-SP	T	Solid	6010C	680-272808
680-89220-9MS	Matrix Spike	T	Solid	6010C	680-272808
680-89220-9MSD	Matrix Spike Duplicate	T	Solid	6010C	680-272808
680-89220-16	CV1100A-CS	T	Solid	6010C	680-272808
680-89220-17	CV1099A-CS	T	Solid	6010C	680-272808
680-89220-42	HP0283A-CS-SP	T	Solid	6010C	680-272808
680-89220-45	CV0637D-CS-SP (sieve)	T	Solid	6010C	680-272808
680-89220-46	HP0283A-CS-SP (sieve)	T	Solid	6010C	680-272808
680-89220-47	CV110A-CS (sieve)	T	Solid	6010C	680-272808
680-89220-48	CV1099A-CS (sieve)	T	Solid	6010C	680-272808

Report Basis
T = Total

General Chemistry

Analysis Batch:660-136459					
680-89220-9	CV0637D-CS-SP	T	Solid	Moisture	
680-89220-9MS	Matrix Spike	T	Solid	Moisture	
680-89220-9MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-89220-16	CV1100A-CS	T	Solid	Moisture	
680-89220-17	CV1099A-CS	T	Solid	Moisture	
680-89220-42	HP0283A-CS-SP	T	Solid	Moisture	
Analysis Batch:680-272741					
680-89220-45	CV0637D-CS-SP (sieve)	T	Solid	Moisture	
680-89220-46	HP0283A-CS-SP (sieve)	T	Solid	Moisture	
680-89220-47	CV110A-CS (sieve)	T	Solid	Moisture	
680-89220-48	CV1099A-CS (sieve)	T	Solid	Moisture	
680-89228-D-9 MS	Matrix Spike	T	Solid	Moisture	
680-89228-D-9 MSD	Matrix Spike Duplicate	T	Solid	Moisture	

Report Basis
T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-89220-4

SDG No.: 68089220-4

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0637D-CS-SP	680-89220-9
CV1100A-CS	680-89220-16
CV1099A-CS	680-89220-17
HP0283A-CS-SP	680-89220-42
CV0637D-CS-SP (sieve)	680-89220-45
HP0283A-CS-SP (sieve)	680-89220-46
CV110A-CS (sieve)	680-89220-47
CV1099A-CS (sieve)	680-89220-48

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0637D-CS-SP
Lab Sample ID: 680-89220-9
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG ID.: 68089220-4
Matrix: Solid
Date Sampled: 04/08/2013 15:20
Reporting Basis: DRY
Date Received: 04/11/2013 10:45
% Solids: 66.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	21	2.7	0.80	mg/Kg			1	6010C
7440-39-3	Barium	230	1.4	0.41	mg/Kg			1	6010C
7440-43-9	Cadmium	1.5	0.68	0.14	mg/Kg			1	6010C
7440-47-3	Chromium	69	1.4	0.68	mg/Kg			1	6010C
7439-92-1	Lead	320	1.4	0.72	mg/Kg			1	6010C
7782-49-2	Selenium	7.0	3.4	1.4	mg/Kg			1	6010C
7440-22-4	Silver	1.9	1.4	0.13	mg/Kg			1	6010C
7439-97-6	Mercury	0.33	0.026	0.011	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1100A-CS
Lab Sample ID: 680-89220-16
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG ID.: 68089220-4
Matrix: Solid
Date Sampled: 04/09/2013 14:20
Reporting Basis: DRY
Date Received: 04/11/2013 10:45
% Solids: 77.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	31	2.5	0.74	mg/Kg			1	6010C
7440-39-3	Barium	390	1.3	0.38	mg/Kg			1	6010C
7440-43-9	Cadmium	1.5	0.63	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	93	1.3	0.63	mg/Kg			1	6010C
7439-92-1	Lead	320	1.3	0.66	mg/Kg			1	6010C
7782-49-2	Selenium	8.8	3.1	1.3	mg/Kg			1	6010C
7440-22-4	Silver	1.3	1.3	0.12	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.40	0.023	0.0096	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1099A-CS
Lab Sample ID: 680-89220-17
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG ID.: 68089220-4
Matrix: Solid
Date Sampled: 04/09/2013 14:40
Reporting Basis: DRY
Date Received: 04/11/2013 10:45
% Solids: 61.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	23	3.1	0.91	mg/Kg			1	6010C
7440-39-3	Barium	400	1.5	0.46	mg/Kg			1	6010C
7440-43-9	Cadmium	2.8	0.77	0.15	mg/Kg			1	6010C
7440-47-3	Chromium	79	1.5	0.77	mg/Kg			1	6010C
7439-92-1	Lead	450	1.5	0.82	mg/Kg			1	6010C
7782-49-2	Selenium	6.8	3.9	1.5	mg/Kg			1	6010C
7440-22-4	Silver	1.5	1.5	0.15	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.32	0.032	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0283A-CS-SP
Lab Sample ID: 680-89220-42
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG ID.: 68089220-4
Matrix: Solid
Date Sampled: 04/09/2013 08:45
Reporting Basis: DRY
Date Received: 04/11/2013 10:45
% Solids: 67.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	41	2.5	0.74	mg/Kg			1	6010C
7440-39-3	Barium	170	1.3	0.38	mg/Kg			1	6010C
7440-43-9	Cadmium	2.4	0.63	0.13	mg/Kg			1	6010C
7440-47-3	Chromium	120	1.3	0.63	mg/Kg			1	6010C
7439-92-1	Lead	420	1.3	0.67	mg/Kg			1	6010C
7782-49-2	Selenium	6.1	3.1	1.3	mg/Kg			1	6010C
7440-22-4	Silver	0.65	1.3	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.18	0.027	0.011	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0637D-CS-SP (sieve)
Lab Sample ID: 680-89220-45
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG ID.: 68089220-4
Matrix: Solid
Date Sampled: 04/08/2013 15:20
Reporting Basis: DRY
Date Received: 04/11/2013 10:45
% Solids: 79.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	21	2.3	0.68	mg/Kg			1	6010C
7440-39-3	Barium	240	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	1.4	0.57	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	63	1.1	0.57	mg/Kg			1	6010C
7439-92-1	Lead	330	1.1	0.61	mg/Kg			1	6010C
7782-49-2	Selenium	4.0	2.9	1.1	mg/Kg			1	6010C
7440-22-4	Silver	2.1	1.1	0.11	mg/Kg			1	6010C
7439-97-6	Mercury	0.31	0.022	0.0092	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: HP0283A-CS-SP (sieve) Lab Sample ID: 680-89220-46

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG ID.: 68089220-4

Matrix: Solid Date Sampled: 04/09/2013 08:45

Reporting Basis: DRY Date Received: 04/11/2013 10:45

% Solids: 78.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	36	2.4	0.72	mg/Kg			1	6010C
7440-39-3	Barium	170	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	2.3	0.61	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	77	1.2	0.61	mg/Kg			1	6010C
7439-92-1	Lead	380	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	4.1	3.0	1.2	mg/Kg			1	6010C
7440-22-4	Silver	0.83	1.2	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.15	0.022	0.0090	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV110A-CS (sieve)
Lab Sample ID: 680-89220-47
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG ID.: 68089220-4
Matrix: Solid
Date Sampled: 04/09/2013 14:20
Reporting Basis: DRY
Date Received: 04/11/2013 10:45
% Solids: 81.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	34	2.5	0.73	mg/Kg			1	6010C
7440-39-3	Barium	480	1.2	0.37	mg/Kg			1	6010C
7440-43-9	Cadmium	2.0	0.62	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	86	1.2	0.62	mg/Kg			1	6010C
7439-92-1	Lead	400	1.2	0.65	mg/Kg			1	6010C
7782-49-2	Selenium	5.7	3.1	1.2	mg/Kg			1	6010C
7440-22-4	Silver	0.14	1.2	0.12	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.46	0.023	0.0093	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV1099A-CS (sieve)
Lab Sample ID: 680-89220-48
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG ID.: 68089220-4
Matrix: Solid
Date Sampled: 04/09/2013 14:40
Reporting Basis: DRY
Date Received: 04/11/2013 10:45
% Solids: 82.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	21	2.4	0.70	mg/Kg			1	6010C
7440-39-3	Barium	370	1.2	0.36	mg/Kg			1	6010C
7440-43-9	Cadmium	2.3	0.60	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	65	1.2	0.60	mg/Kg			1	6010C
7439-92-1	Lead	380	1.2	0.63	mg/Kg			1	6010C
7782-49-2	Selenium	4.5	3.0	1.2	mg/Kg			1	6010C
7440-22-4	Silver	1.2	1.2	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.24	0.022	0.0088	mg/Kg			1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	ICV 680-273364/4 04/16/2013 12:02				CCV 680-273364/45 04/16/2013 16:07				CCV 680-273364/50 04/16/2013 16:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	992		1000	99	485		500	97	494		500	99
Barium	1030		1000	103	5150		5000	103	5120		5000	102
Cadmium	1030		1000	103	512		500	102	510		500	102
Chromium	1020		1000	102	5160		5000	103	5140		5000	103
Lead	995		1000	99	502		500	100	493		500	99
Selenium	979		1000	98	4860		5000	97	4880		5000	98
Silver	979		1000	98	503		500	101	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.: 680-89220-4

SDG No.: 68089220-4

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	CCV 680-273364/62 04/16/2013 17:39				CCV 680-273364/74 04/16/2013 18:45							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	489		500	98	482		500	96				
Barium	5190		5000	104	5140		5000	103				
Cadmium	516		500	103	511		500	102				
Chromium	5200		5000	104	5160		5000	103				
Lead	502		500	100	498		500	100				
Selenium	4920		5000	98	4880		5000	98				
Silver	508		500	102	496		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.: 680-89220-4

SDG No.: 68089220-4

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	ICV 680-272685/24-A 04/12/2013 14:17				CCV 680-272685/21-A 04/12/2013 14:54				CCV 680-272685/21-A 04/12/2013 15:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.10		3.00	103	2.61		2.50	104	2.51		2.50	100

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.: 680-89220-4

SDG No.: 68089220-4

ICV Source: hg_icvint_00085 Concentration Units: ug/L

CCV Source: Hg_Int_Cal_00091

Analyte	CCV 680-272685/21-A 04/12/2013 15:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.55		2.50	102								

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.: 680-89220-4

SDG No.: 68089220-4

Method: 6010C Instrument ID: ICPF

Lab Sample ID: CRI 680-273364/6 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	9.93	J	99	50-150
Cadmium	5.00	5.09		102	50-150
Chromium	10.0	10.0		100	50-150
Lead	10.0	10.7		107	50-150
Selenium	20.0	16.0	J	80	50-150
Silver	10.0	9.79	J	98	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.: 680-89220-4

SDG No.: 68089220-4

Method: 7471B Instrument ID: LEEMAN2

Lab Sample ID: CRA 680-272685/26-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	0.226		113	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.: 680-89220-4

SDG No.: 68089220-4

Concentration Units: ug/L

Analyte	RL	ICBIS 680-273364/5 04/16/2013 12:08		CCB 680-273364/46 04/16/2013 16:12		CCB 680-273364/51 04/16/2013 16:39		CCB 680-273364/63 04/16/2013 17:45	
		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	25	U	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.: 680-89220-4

SDG No.: 68089220-4

Concentration Units: ug/L

Analyte	RL	CCB 680-273364/75 04/16/2013 18:50							
		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.: 680-89220-4

SDG No.: 68089220-4

Concentration Units: ug/L

Analyte	RL	ICB 680-272685/25-A 04/12/2013 14:20		CCB 680-272685/22-A 04/12/2013 14:56		CCB 680-272685/22-A 04/12/2013 15:26		CCB 680-272685/22-A 04/12/2013 15:55	
		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
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Concentration Units: mg/Kg Lab Sample ID: MB 680-272808/1-A

Instrument Code: ICPF Batch No.: 273364

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.: 680-89220-4

SDG No.: 68089220-4

Concentration Units: mg/Kg Lab Sample ID: MB 680-272776/1-A

Instrument Code: LEEMAN2 Batch No.: 273060

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.: 680-89220-4

SDG No.: 68089220-4

Lab Sample ID: ICSA 680-273364/7 Instrument ID: ICPF

Lab File ID: F04162013.csv ICS Source: P_ICSA_wk_00030

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-2.00**	
Barium		**-3.33**	
Cadmium		**1.58**	
Chromium		**-1.55**	
Lead		**5.46**	
Selenium		**-9.81**	
Silver		**-0.553**	
Aluminum	*500000*	*566064*	*113*
Antimony		*-5.38*	
Beryllium		*-0.212*	
Boron		*6.58*	
Calcium	*500000*	*526403*	*105*
Cobalt		*0.277*	
Copper		*2.27*	
Iron	*200000*	*200381*	*100*
Magnesium	*500000*	*554588*	*111*
Manganese		*0.370*	
Molybdenum		*-4.71*	
Nickel		*4.66*	
Potassium		*-9.07*	
Sodium		*425*	
Strontium		*-2.49*	
Thallium		*0.0926*	
Tin		*-1.31*	
Titanium		*6.38*	
Vanadium		*0.335*	
Zinc		*7.01*	

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.: 680-89220-4

SDG No.: 68089220-4

Lab Sample ID: ICSAB 680-273364/8 Instrument ID: ICPF

Lab File ID: F04162013.csv ICS Source: P_ICSAB_wk_00043

Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Arsenic	**100**	**109**	**109**
Barium	**500**	**546**	**109**
Cadmium	**1000**	**1048**	**105**
Chromium	**500**	**541**	**108**
Lead	**50.0**	**54.7**	**109**
Selenium	**50.0**	**54.8**	**110**
Silver	**200**	**231**	**115**
Aluminum	*500000*	*572875*	*115*
Antimony	*600*	*621*	*104*
Beryllium	*500*	*536*	*107*
Boron		*5.98*	
Calcium	*500000*	*532711*	*107*
Cobalt	*500*	*521*	*104*
Copper	*500*	*597*	*119*
Iron	*200000*	*202458*	*101*
Magnesium	*500000*	*562561*	*113*
Manganese	*500*	*548*	*110*
Molybdenum	*1000*	*1122*	*112*
Nickel	*1000*	*1021*	*102*
Potassium		*-9.56*	
Sodium		*395*	
Strontium		*-2.56*	
Thallium	*100*	*94.5*	*95*
Tin	*1000*	*1060*	*106*
Titanium		*-0.0270*	
Vanadium	*500*	*520*	*104*
Zinc	*1000*	*1020*	*102*

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: CV0637D-CS-SP MS
Lab ID: 680-89220-9 MS
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG No.: 68089220-4
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 66.7

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	35.4		21		13.6	109	75-125		6010C
Barium	260		230		13.6	228	75-125	4	6010C
Cadmium	8.13		1.5		6.82	97	75-125		6010C
Chromium	98.1		69		13.6	216	75-125	4	6010C
Lead	341		320		6.82	331	75-125	4	6010C
Selenium	17.7		7.0		13.6	78	75-125		6010C
Silver	3.27		1.9		6.82	20	75-125	F	6010C
Mercury	0.514		0.33		0.139	132	80-120	F	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: CV0637D-CS-SP MSD
Lab ID: 680-89220-9 MSD
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG No.: 68089220-4
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 66.7

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	35.4		13.4	111	75-125	0	20		6010C
Barium	271		13.4	314	75-125	4	20	4	6010C
Cadmium	8.18		6.70	99	75-125	1	20		6010C
Chromium	82.6		13.4	105	75-125	17	20	4	6010C
Lead	339		6.70	318	75-125	0	20	4	6010C
Selenium	17.9		13.4	81	75-125	1	20		6010C
Silver	3.96		6.70	31	75-125	19	20	F	6010C
Mercury	0.471		0.144	97	80-120	9	20		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: CV0637D-CS-SP PDS
Lab ID: 680-89220-9 PDS
Lab Name: TestAmerica Savannah
Job No.: 680-89220-4
SDG No.: 68089220-4
Matrix: Solid
Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	291		21		270	100	75-125		6010C
Barium	501		230		270	101	75-125		6010C
Cadmium	8.13		1.5		6.76	97	75-125		6010C
Chromium	94.9		69		27.0	97	75-125		6010C
Lead	377		320		67.6	87	75-125		6010C
Selenium	269		7.0		270	97	75-125		6010C
Silver	8.66		1.9		6.76	100	75-125		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-272808/3-A

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

Sample Matrix: Solid LCS Source: MS Cal Stk_00019

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	19.6	20.4		104	75	125		6010C
Barium	19.6	19.9		101	75	125		6010C
Cadmium	19.6	20.6		105	75	125		6010C
Chromium	19.6	21.3		109	75	125		6010C
Lead	19.6	19.6		100	75	125		6010C
Selenium	19.6	19.6		100	75	125		6010C
Silver	19.6	20.9		106	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 680-272776/2-A

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

Sample Matrix: Solid LCS Source: Hg_Int_Cal_00091

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.219	0.235		107	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: 680-89220-9

SDG No: 68089220-4

Lab Name: TestAmerica Savannah Job No: 680-89220-4

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	21		23.5		NC		6010C
Barium	230		237		3.2		6010C
Cadmium	1.5		0.776	J	NC		6010C
Chromium	69		70.0		2.1		6010C
Lead	320		337		6.0		6010C
Selenium	7.0		17	U	NC		6010C
Silver	1.9		2.00	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: 680-89220-4

SDG Number: 68089220-4

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: 680-89220-4

SDG Number: 68089220-4

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: 680-89220-4

SDG Number: 68089220-4

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: 680-89220-4

SDG Number: 68089220-4

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: 680-89220-4

SDG No.: 68089220-4

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: 680-89220-4

SDG No.: 68089220-4

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: 680-89220-4

SDG No.: 68089220-4

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.: 680-89220-4

SDG No.: 68089220-4

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-272808/1-A	04/12/2013 08:57	272808	1.04		100
LCS 680-272808/3-A	04/12/2013 08:57	272808	1.02		100
680-89220-9	04/12/2013 08:57	272808	1.11		100
680-89220-9 MS	04/12/2013 08:57	272808	1.10		100
680-89220-9 MSD	04/12/2013 08:57	272808	1.12		100
680-89220-16	04/12/2013 08:57	272808	1.03		100
680-89220-17	04/12/2013 08:57	272808	1.05		100
680-89220-42	04/12/2013 08:57	272808	1.18		100
680-89220-45	04/12/2013 08:57	272808	1.10		100
680-89220-46	04/12/2013 08:57	272808	1.04		100
680-89220-47	04/12/2013 08:57	272808	1.00		100
680-89220-48	04/12/2013 08:57	272808	1.01		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-272776/1-A	04/11/2013 16:29	272776	0.50		50
LCS 680-272776/2-A	04/11/2013 16:29	272776	0.57		50
680-89220-9	04/11/2013 16:29	272776	0.58		50
680-89220-9 MS	04/11/2013 16:29	272776	0.54		50
680-89220-9 MSD	04/11/2013 16:29	272776	0.52		50
680-89220-16	04/11/2013 16:29	272776	0.55		50
680-89220-17	04/11/2013 16:29	272776	0.51		50
680-89220-42	04/11/2013 16:29	272776	0.55		50
680-89220-45	04/11/2013 16:29	272776	0.56		50
680-89220-46	04/11/2013 16:29	272776	0.58		50
680-89220-47	04/11/2013 16:29	272776	0.54		50
680-89220-48	04/11/2013 16:29	272776	0.56		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Instrument ID: ICPF Method: 6010C

Start Date: 04/16/2013 11:46 End Date: 04/17/2013 09:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			11:46																				
ZZZZZZ			11:51																				
ZZZZZZ			11:57																				
ICV 680-273364/4	1		12:02	X	X	X	X	X	X	X													
ICBIS 680-273364/5	1		12:08	X	X	X	X	X	X	X													
CRI 680-273364/6	1		12:13	X	X	X	X	X	X	X													
ICSA 680-273364/7	1		12:19	X	X	X	X	X	X	X													
ICSAB 680-273364/8	1		12:24	X	X	X	X	X	X	X													
ZZZZZZ			12:30																				
ZZZZZZ			12:35																				
ZZZZZZ			12:40																				
CCV 680-273364/12			12:46																				
CCB 680-273364/13			12:51																				
ZZZZZZ			13:06																				
ZZZZZZ			13:11																				
ZZZZZZ			13:16																				
ZZZZZZ			13:22																				
ZZZZZZ			13:27																				
ZZZZZZ			13:33																				
ZZZZZZ			13:38																				
ZZZZZZ			13:44																				
ZZZZZZ			13:49																				
ZZZZZZ			13:55																				
CCV 680-273364/24			14:00																				
CCB 680-273364/25			14:06																				
ZZZZZZ			14:11																				
ZZZZZZ			14:16																				
ZZZZZZ			14:22																				
ZZZZZZ			14:27																				
ZZZZZZ			14:33																				
ZZZZZZ			14:38																				
ZZZZZZ			14:44																				
ZZZZZZ			14:57																				
ZZZZZZ			15:02																				
ZZZZZZ			15:08																				
CCV 680-273364/36			15:13																				
CCB 680-273364/37			15:19																				
ZZZZZZ			15:24																				
ZZZZZZ			15:30																				
ZZZZZZ			15:35																				
ZZZZZZ			15:40																				
ZZZZZZ			15:46																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Instrument ID: ICPF Method: 6010C

Start Date: 04/16/2013 11:46 End Date: 04/17/2013 09:43

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			15:51																				
ZZZZZZ			15:57																				
CCV 680-273364/45	1		16:07	X	X	X	X	X	X	X													
CCB 680-273364/46	1		16:12	X	X	X	X	X	X	X													
MB 680-272808/1-A	1	T	16:18	X	X	X	X	X	X	X													
ZZZZZZ			16:23																				
LCS 680-272808/3-A	1	T	16:28	X	X	X	X	X	X	X													
CCV 680-273364/50	1		16:34	X	X	X	X	X	X	X													
CCB 680-273364/51	1		16:39	X	X	X	X	X	X	X													
ZZZZZZ			16:45																				
680-89220-9	1	T	16:50	X	X	X	X	X	X	X													
680-89220-9 SD	5	T	16:56	X	X	X	X	X	X	X													
680-89220-9 PDS	1	T	17:01	X	X	X	X	X	X	X													
680-89220-9 MS	1	T	17:07	X	X	X	X	X	X	X													
680-89220-9 MSD	1	T	17:12	X	X	X	X	X	X	X													
680-89220-16	1	T	17:18	X	X	X	X	X	X	X													
680-89220-17	1	T	17:23	X	X	X	X	X	X	X													
680-89220-42	1	T	17:28	X	X	X	X	X	X	X													
680-89220-45	1	T	17:34	X	X	X	X	X	X	X													
CCV 680-273364/62	1		17:39	X	X	X	X	X	X	X													
CCB 680-273364/63	1		17:45	X	X	X	X	X	X	X													
680-89220-46	1	T	17:50	X	X	X	X	X	X	X													
680-89220-47	1	T	17:56	X	X	X	X	X	X	X													
680-89220-48	1	T	18:01	X	X	X	X	X	X	X													
ZZZZZZ			18:07																				
ZZZZZZ			18:12																				
ZZZZZZ			18:18																				
ZZZZZZ			18:23																				
ZZZZZZ			18:28																				
ZZZZZZ			18:34																				
ZZZZZZ			18:39																				
CCV 680-273364/74	1		18:45	X	X	X	X	X	X	X													
CCB 680-273364/75	1		18:50	X	X	X	X	X	X	X													
ZZZZZZ			18:56																				
ZZZZZZ			19:01																				
ZZZZZZ			19:07																				
ZZZZZZ			19:12																				
ZZZZZZ			19:18																				
ZZZZZZ			19:23																				
ZZZZZZ			19:28																				
ZZZZZZ			19:34																				
ZZZZZZ			19:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Instrument ID: ICPF Method: 6010C

Start Date: 04/16/2013 11:46 End Date: 04/17/2013 09:43

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			19:45																				
CCV 680-273364/86			19:50																				
CCB 680-273364/87			19:56																				
ZZZZZZ			20:01																				
ZZZZZZ			20:07																				
ZZZZZZ			20:12																				
ZZZZZZ			20:18																				
ZZZZZZ			20:23																				
ZZZZZZ			20:29																				
ZZZZZZ			20:34																				
ZZZZZZ			20:40																				
ZZZZZZ			20:45																				
ZZZZZZ			20:50																				
CCV 680-273364/98			20:56																				
CCB 680-273364/99			21:01																				
ZZZZZZ			21:07																				
ZZZZZZ			21:12																				
ZZZZZZ			21:18																				
ZZZZZZ			21:23																				
ZZZZZZ			21:29																				
ZZZZZZ			21:34																				
ZZZZZZ			21:40																				
ZZZZZZ			21:45																				
ZZZZZZ			21:51																				
ZZZZZZ			21:56																				
CCV 680-273364/110			22:02																				
CCB 680-273364/111			22:07																				
ZZZZZZ			22:12																				
ZZZZZZ			22:18																				
ZZZZZZ			22:23																				
ZZZZZZ			22:29																				
ZZZZZZ			22:34																				
ZZZZZZ			22:40																				
ZZZZZZ			22:45																				
ZZZZZZ			22:51																				
ZZZZZZ			22:56																				
ZZZZZZ			23:02																				
CCV 680-273364/122			23:07																				
CCB 680-273364/123			23:13																				
ZZZZZZ			23:18																				
ZZZZZZ			23:24																				
ZZZZZZ			23:29																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Instrument ID: ICPF Method: 6010C

Start Date: 04/16/2013 11:46 End Date: 04/17/2013 09:43

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			23:35																				
ZZZZZZ			23:40																				
ZZZZZZ			23:46																				
ZZZZZZ			23:51																				
ZZZZZZ			23:57																				
ZZZZZZ			00:02																				
ZZZZZZ			00:08																				
CCV 680-273364/134			00:13																				
CCB 680-273364/135			00:18																				
ZZZZZZ			00:24																				
ZZZZZZ			00:29																				
ZZZZZZ			00:35																				
ZZZZZZ			00:40																				
ZZZZZZ			00:46																				
ZZZZZZ			00:51																				
ZZZZZZ			00:57																				
ZZZZZZ			01:02																				
ZZZZZZ			01:08																				
ZZZZZZ			01:13																				
ZZZZZZ			01:19																				
ZZZZZZ			01:24																				
ZZZZZZ			01:30																				
ZZZZZZ			01:35																				
ZZZZZZ			01:41																				
ZZZZZZ			01:46																				
ZZZZZZ			01:52																				
ZZZZZZ			01:57																				
ZZZZZZ			02:03																				
ZZZZZZ			02:08																				
ZZZZZZ			02:14																				
ZZZZZZ			02:19																				
ZZZZZZ			02:25																				
ZZZZZZ			02:30																				
ZZZZZZ			02:36																				
ZZZZZZ			02:41																				
ZZZZZZ			02:47																				
ZZZZZZ			02:52																				
ZZZZZZ			02:58																				
ZZZZZZ			03:03																				
ZZZZZZ			03:09																				
ZZZZZZ			03:14																				
ZZZZZZ			03:20																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Instrument ID: ICPF Method: 6010C

Start Date: 04/16/2013 11:46 End Date: 04/17/2013 09:43

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			03:25																				
ZZZZZZ			03:31																				
ZZZZZZ			03:36																				
ZZZZZZ			03:42																				
ZZZZZZ			03:47																				
ZZZZZZ			03:53																				
ZZZZZZ			03:58																				
ZZZZZZ			04:04																				
ZZZZZZ			04:09																				
ZZZZZZ			04:15																				
ZZZZZZ			04:20																				
ZZZZZZ			04:26																				
ZZZZZZ			04:31																				
ZZZZZZ			04:37																				
ZZZZZZ			04:42																				
ZZZZZZ			04:48																				
ZZZZZZ			04:53																				
ZZZZZZ			04:59																				
ZZZZZZ			05:04																				
ZZZZZZ			05:10																				
ZZZZZZ			05:15																				
ZZZZZZ			05:21																				
ZZZZZZ			05:26																				
ZZZZZZ			05:32																				
ZZZZZZ			05:37																				
ZZZZZZ			05:43																				
ZZZZZZ			05:48																				
ZZZZZZ			05:54																				
ZZZZZZ			05:59																				
ZZZZZZ			06:05																				
ZZZZZZ			06:10																				
ZZZZZZ			06:16																				
ZZZZZZ			06:21																				
ZZZZZZ			06:27																				
ZZZZZZ			06:32																				
ZZZZZZ			06:38																				
ZZZZZZ			06:43																				
ZZZZZZ			06:49																				
ZZZZZZ			06:54																				
ZZZZZZ			06:59																				
ZZZZZZ			07:05																				
ZZZZZZ			07:10																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Instrument ID: ICPF Method: 6010C

Start Date: 04/16/2013 11:46 End Date: 04/17/2013 09:43

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			07:16																				
ZZZZZZ			07:21																				
ZZZZZZ			07:27																				
ZZZZZZ			07:32																				
ZZZZZZ			07:38																				
ZZZZZZ			07:43																				
ZZZZZZ			07:49																				
ZZZZZZ			07:54																				
ZZZZZZ			07:59																				
ZZZZZZ			08:05																				
ZZZZZZ			08:10																				
ZZZZZZ			08:16																				
ZZZZZZ			08:21																				
ZZZZZZ			08:27																				
ZZZZZZ			08:32																				
ZZZZZZ			08:37																				
ZZZZZZ			08:43																				
ZZZZZZ			08:48																				
ZZZZZZ			08:54																				
ZZZZZZ			08:59																				
ZZZZZZ			09:05																				
ZZZZZZ			09:10																				
ZZZZZZ			09:16																				
ZZZZZZ			09:21																				
ZZZZZZ			09:26																				
ZZZZZZ			09:32																				
ZZZZZZ			09:37																				
ZZZZZZ			09:43																				

Prep Types

T = Total/NA

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/12/2013 14:02 End Date: 04/12/2013 16:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
IC 680-272685/14-A			14:02	X																			
IC 680-272685/15-A			14:05	X																			
IC 680-272685/16-A			14:07	X																			
IC 680-272685/17-A			14:10	X																			
IC 680-272685/18-A			14:12	X																			
IC 680-272685/19-A			14:15	X																			
ICV 680-272685/24-A	1		14:17	X																			
ICB 680-272685/25-A	1		14:20	X																			
CRA 680-272685/26-A	1		14:22	X																			
CCV 680-272685/21-A			14:24																				
CCB 680-272685/22-A			14:27																				
ZZZZZZ			14:29																				
ZZZZZZ			14:32																				
ZZZZZZ			14:34																				
ZZZZZZ			14:37																				
ZZZZZZ			14:39																				
ZZZZZZ			14:41																				
ZZZZZZ			14:44																				
ZZZZZZ			14:46																				
ZZZZZZ			14:49																				
ZZZZZZ			14:51																				
CCV 680-272685/21-A	1		14:54	X																			
CCB 680-272685/22-A	1		14:56	X																			
ZZZZZZ			14:59																				
ZZZZZZ			15:01																				
ZZZZZZ			15:03																				
MB 680-272776/1-A	1	T	15:06	X																			
LCS 680-272776/2-A	1	T	15:08	X																			
680-89220-9	1	T	15:11	X																			
680-89220-9 MS	1	T	15:13	X																			
680-89220-9 MSD	1	T	15:16	X																			
680-89220-16	1	T	15:18	X																			
680-89220-17	1	T	15:21	X																			
CCV 680-272685/21-A	1		15:23	X																			
CCB 680-272685/22-A	1		15:26	X																			
680-89220-42	1	T	15:28	X																			
680-89220-45	1	T	15:30	X																			
680-89220-46	1	T	15:33	X																			
680-89220-47	1	T	15:35	X																			
680-89220-48	1	T	15:38	X																			
ZZZZZZ			15:40																				
ZZZZZZ			15:43																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 04/12/2013 14:02 End Date: 04/12/2013 16:20

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:45																				
ZZZZZZ			15:48																				
ZZZZZZ			15:50																				
CCV 680-272685/21-A	1		15:53	X																			
CCB 680-272685/22-A	1		15:55	X																			
ZZZZZZ			15:57																				
CCV 680-272685/21-A			16:00																				
CCB 680-272685/22-A			16:02																				
ZZZZZZ			16:08																				
ZZZZZZ			16:10																				
ZZZZZZ			16:13																				
ZZZZZZ			16:15																				
CCV 680-272685/21-A			16:18																				
CCB 680-272685/22-A			16:20																				

Prep Types

T = Total/NA

Blank (Blk) **4/16/2013, 11:46:27 AM** **Rack S, Tube 1**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	1.918	16.9	-11.3468
Al 308.215	0.0000	ppb	12.730	22.6	56.2489
As 188.980	0.0000	ppb	0.392	21.8	-1.8000
B 249.678	0.0000	ppb	5.076	6.9	73.1906
Ba 389.178	0.0000	ppb	4.789	348.8	-1.3730
Be 313.042	0.0000	ppb	50.771	37.0	137.296
Ca 370.602	0.0000	ppb	5.135	15.4	-33.36
Cd 226.502	0.0000	ppb	0.530	1.5	35.0772
Co 228.615	0.0000	ppb	2.778	61.0	-4.5550
Cr 267.716	0.0000	ppb	5.676	15.6	36.4011
Cu 324.754	0.0000	ppb	3.756	2.6	142.713
Fe 271.441	0.0000	ppb	5.767	82.0	-7.0296
K 766.491	0.0000	ppb	48.649	1.2	4002.17
Mg 279.078	0.0000	ppb	4.646	15.2	30.6673
Mn 257.610	0.0000	ppb	3.051	1.7	183.386
Mo 202.032	0.0000	ppb	1.716	34.4	4.9922
Na 330.237	0.0000	ppb	6.480	91.2	7.1031
Ni 231.604	0.0000	ppb	3.712	151.7	2.4474
Pb 220.353	0.0000	ppb	1.943	120.3	1.6144
Sb 206.834	0.0000	ppb	1.516	59.2	2.5608
Se 196.026	0.0000	ppb	1.767	50.2	3.5221
Sn 189.925	0.0000	ppb	1.314	101.2	1.2985
Sr 216.596	0.0000	ppb	2.047	46.7	4.3817
Ti 334.941	0.0000	ppb	11.279	141.2	-7.9910
Tl 190.794	0.0000	ppb	3.277	156.1	-2.0992
V 292.401	0.0000	ppb	6.907	31.5	21.9288
Zn 206.200	0.0000	ppb	1.458	23.6	6.1717

HIGH STD (Std) **4/16/2013, 11:51:53 AM** **Rack S, Tube 2**

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	67.626	0.2	31358.3
Al 308.215	10000.0	ppb	136.598	0.4	31141.0
As 188.980	1000.00	ppb	6.788	1.7	406.915
B 249.678	1000.00	ppb	29.923	0.3	8879.72
Ba 389.178	10000.0	ppb	672.287	0.4	173510
Be 313.042	1000.00	ppb	7196.657	0.5	1581369
Ca 370.602	10000	ppb	160.967	0.4	39783
Cd 226.502	1000.00	ppb	70.349	0.3	23763.9
Co 228.615	1000.00	ppb	31.120	0.4	8277.90
Cr 267.716	10000.0	ppb	645.401	0.4	166960
Cu 324.754	10000.0	ppb	1316.964	0.4	362326
Fe 271.441	10000.0	ppb	28.455	0.4	7826.42
K 766.491	20000.0	ppb	9845.436	0.4	2445464
Mg 279.078	10000.0	ppb	60.648	0.5	13174.7
Mn 257.610	10000.0	ppb	3593.830	0.4	989817
Mo 202.032	1000.00	ppb	14.432	0.4	3742.22
Na 330.237	15000.0	ppb	6.539	0.7	988.065
Ni 231.604	5000.00	ppb	52.309	0.3	15546.9
Pb 220.353	1000.00	ppb	5.015	0.6	891.962
Sb 206.834	2000.00	ppb	13.146	1.0	1361.67
Se 196.026	10000.0	ppb	9.204	0.4	2613.14
Sn 189.925	10000.0	ppb	29.102	0.4	6518.36

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Sr 216.596	5000.00	ppb	93.134	0.3	32859.5
Ti 334.941	1000.00	ppb	742.884	0.3	217124
Tl 190.794	10000.0	ppb	19.278	0.4	4907.75
V 292.401	10000.0	ppb	960.416	0.3	295117
Zn 206.200	5000.00	ppb	70.843	0.4	16947.6

Ag 328.068 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-11.3468	0.0000	0.0000	-	-
HIGH STD		31358.3	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 31.4 x + -11.3

Al 308.215 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		56.2489	0.0000	0.0000	-	-
HIGH STD		31141.0	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 3.1 x + 56.2

As 188.980 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.8000	0.0000	0.0000	-	-
HIGH STD		406.915	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.4 x + -1.8

B 249.678 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		73.1906	0.0000	0.0000	-	-
HIGH STD		8879.72	1000.00	1000.00	0.0001	0.0

Curve Type: Linear Equation: y = 8.8 x + 73.2

Ba 389.178 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.3730	0.0000	0.0000	-	-
HIGH STD		173510	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 17.4 x + -1.4

Be 313.042 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		137.296	0.0000	0.0000	-	-
HIGH STD		1581369	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 1581.2 x + 137.3

Ca 370.602 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-33.36	0.0000	0.0000	-	-
HIGH STD		39783	10000	10000	-0.0010	0.0

Curve Type: Linear Equation: y = 4.0 x + -33.4

Cd 226.502 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		35.0772	0.0000	0.0000	-	-
HIGH STD		23763.9	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear Equation: y = 23.7 x + 35.1

Co 228.615 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-4.5550	0.0000	0.0000	-	-
HIGH STD		8277.90	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 8.3 x + -4.6

Cr 267.716 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		36.4011	0.0000	0.0000	-	-
HIGH STD		166960	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 16.7 x + 36.4

Cu 324.754 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		142.713	0.0000	0.0000	-	-
HIGH STD		362326	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 36.2 x + 142.7

Fe 271.441 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.0296	0.0000	0.0000	-	-
HIGH STD		7826.42	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.8 x + -7.0

K 766.491 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4002.17	0.0000	0.0000	-	-
HIGH STD		2445464	20000.0	20000.0	-0.0020	0.0

Curve Type: Linear Equation: y = 122.1 x + 4002.2

Mg 279.078 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		30.6673	0.0000	0.0000	-	-
HIGH STD		13174.7	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 1.3 x + 30.7

Mn 257.610 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		183.386	0.0000	0.0000	-	-
HIGH STD		989817	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 99.0 x + 183.4

Mo 202.032 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.9922	0.0000	0.0000	-	-
HIGH STD		3742.22	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 3.7 x + 5.0

Na 330.237 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		7.1031	0.0000	0.0000	-	-
HIGH STD		988.065	15000.0	15000.0	-0.0010	0.0

Curve Type: Linear Equation: y = 0.1 x + 7.1

Ni 231.604 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.4474	0.0000	0.0000	-	-
HIGH STD		15546.9	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: y = 3.1 x + 2.4

Pb 220.353 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.6144	0.0000	0.0000	-	-
HIGH STD		891.962	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.9 x + 1.6

Sb 206.834 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.5608	0.0000	0.0000	-	-
HIGH STD		1361.67	2000.00	2000.00	0.0000	0.0

Curve Type: Linear Equation: y = 0.7 x + 2.6

Se 196.026 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.5221	0.0000	0.0000	-	-
HIGH STD		2613.14	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.3 x + 3.5

Sn 189.925 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.2985	0.0000	0.0000	-	-
HIGH STD		6518.36	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 0.7 x + 1.3

Sr 216.596 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.3817	0.0000	0.0000	-	-
HIGH STD		32859.5	5000.00	5000.00	0.0005	0.0

Curve Type: Linear Equation: y = 6.6 x + 4.4

Ti 334.941 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-7.9910	0.0000	0.0000	-	-
HIGH STD		217124	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: y = 217.1 x + -8.0

Tl 190.794 Calibration (ppb) 4/16/2013, 11:51:53 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.0992	0.0000	0.0000	-	-
HIGH STD		4907.75	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: y = 0.5 x + -2.1

V 292.401 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		21.9288	0.0000	0.0000	-	-
HIGH STD		295117	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: y = 29.5 x + 21.9

Zn 206.200 Calibration (ppb) **4/16/2013, 11:51:53 AM** **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6.1717	0.0000	0.0000	-	-
HIGH STD		16947.6	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: y = 3.4 x + 6.2

Lab Control Sample (LCS) **4/16/2013, 11:57:19 AM** **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	1010.54xb	ppb	8.4551	0.8	31686.6	101.05386
Al 308.215	10008.9b	ppb	27.1751	0.3	31738.3	100.08876
As 188.980	993.983b	ppb	6.2724	0.6	405.945	99.39833
B 249.678	1003.51b	ppb	3.9282	0.4	8898.89	20.07018F
Ba 389.178	10028.4xb	ppb	41.8859	0.4	174093	100.28426
Be 313.042	1001.86xb	ppb	3.1766	0.3	1590379	100.18593
Ca 370.602	10222b	ppb	31.35	0.3	39291	102.22172
Cd 226.502	1001.03xb	ppb	3.7948	0.4	23811.7	100.10339
Co 228.615	1004.12b	ppb	2.6473	0.3	8317.62	100.41244
Cr 267.716	10034.0xb	ppb	46.6918	0.5	167460	100.33988
Cu 324.754	10075.0b	ppb	73.9445	0.7	364880	100.75045
Fe 271.441	10019.9b	ppb	73.8866	0.7	7971.08	100.19907
K 766.491	19982.8b	ppb	62.5935	0.3	2440797	99.91413
Mg 279.078	10003.7b	ppb	28.2137	0.3	13119.0	100.03700
Mn 257.610	10027.1b	ppb	42.0195	0.4	992546	100.27083
Mo 202.032	997.858b	ppb	2.2186	0.2	3712.74	99.78580
Na 330.237	15137.9b	ppb	28.3767	0.2	993.340	100.91957
Ni 231.604	5008.25b	ppb	13.2440	0.3	15578.8	100.16497
Pb 220.353	1006.25b	ppb	4.7389	0.5	885.492	100.62523
Sb 206.834	1922.27b	ppb	15.6033	0.8	1377.09	192.22728F
Se 196.026	10012.9xb	ppb	39.8619	0.4	2618.30	100.12863
Sn 189.925	10044.1xb	ppb	68.9686	0.7	6547.34	100.44123
Sr 216.596	5011.15b	ppb	19.5141	0.4	32709.6	100.22310
Ti 334.941	999.706b	ppb	4.5085	0.5	217703	99.97061
Tl 190.794	10023.5xb	ppb	56.4484	0.6	4931.36	100.23499
V 292.401	10023.3xb	ppb	23.6448	0.2	294923	100.23254
Zn 206.200	5018.11b	ppb	13.7647	0.3	16967.5	100.36227

Initial Calib Verif (ICV) **4/16/2013, 12:02:45 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	979.460b	ppb	17.0478	1.7	30713.1	97.94597
Al 308.215	958.144b	ppb	16.9747	1.8	3112.41	95.81438

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	992.128b	ppb	11.0325	1.1	403.912	99.21275
B 249.678	959.489b	ppb	15.0489	1.6	8532.41	95.94893
Ba 389.178	1025.42b	ppb	15.0123	1.5	17804.6	102.54248
Be 313.042	1028.96xb	ppb	16.8100	1.6	1627670	102.89610
Ca 370.602	970.4b	ppb	14.19	1.5	3795	97.03611
Cd 226.502	1027.29xb	ppb	17.0567	1.7	24413.9	102.72923
Co 228.615	997.897b	ppb	16.4502	1.6	8255.94	99.78970
Cr 267.716	1019.74b	ppb	14.0628	1.4	17051.1	101.97426
Cu 324.754	1024.52b	ppb	14.6099	1.4	37241.7	102.45229
Fe 271.441	989.050b	ppb	18.2119	1.8	824.268	98.90498
K 766.491	9695.20b	ppb	119.395	1.2	1187263	96.95204
Mg 279.078	993.752b	ppb	13.8807	1.4	1330.51	99.37524
Mn 257.610	1055.89b	ppb	16.0925	1.5	104692	105.58913Q
Mo 202.032	991.486xb	ppb	24.7947	2.5	3708.29	99.14864
Na 330.237	9760.20b	ppb	307.169	3.1	639.636	97.60199
Ni 231.604	1027.20b	ppb	9.3586	0.9	3195.64	102.71963
Pb 220.353	994.864b	ppb	13.0886	1.3	884.684	99.48642
Sb 206.834	946.740b	ppb	17.2732	1.8	647.664	94.67405
Se 196.026	979.477b	ppb	7.4590	0.8	259.317	97.94768
Sn 189.925	4885.85b	ppb	68.7215	1.4	3185.69	97.71698
Sr 216.596	4910.64b	ppb	77.6398	1.6	32211.8	98.21282
Ti 334.941	969.422b	ppb	15.6292	1.6	210549	96.94216
Tl 190.794	995.186b	ppb	23.1924	2.3	488.878	99.51857
V 292.401	987.007b	ppb	15.8727	1.6	28847.9	98.70070
Zn 206.200	1019.38b	ppb	14.7272	1.4	3455.89	101.93758

Initial Calib Blank (ICB) **4/16/2013, 12:08:11 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	-0.1984	ppb	0.4479	225.7	-17.5748	-0.19842
Al 308.215	1.9528	ppb	2.1129	108.2	62.3047	1.95278
As 188.980	1.2427	ppb	5.1650	415.6	-1.2924	1.24273
B 249.678	1.9860	ppb	0.6169	31.1	90.6814	1.98603
Ba 389.178	0.4012	ppb	0.8835	220.2	5.5876	0.40119
Be 313.042	0.0107	ppb	0.0174	161.9	154.471	0.01074
Ca 370.602	-0.4716	ppb	0.8017	170.0	-36.19	-0.47165
Cd 226.502	0.0069	ppb	0.1159	1673.7	35.2531	0.00693
Co 228.615	0.1768	ppb	0.1669	94.4	-3.0736	0.17682
Cr 267.716	0.0381	ppb	0.0473	124.1	37.0316	0.03808
Cu 324.754	-0.2456	ppb	0.2307	93.9	133.817	-0.24561
Fe 271.441	5.3549	ppb	3.6054	67.3	-2.8241	5.35488
K 766.491	-0.5610	ppb	0.1890	33.7	3933.55	-0.56095
Mg 279.078	0.1520	ppb	1.9696	1296.2	30.8468	0.15195
Mn 257.610	-0.0450	ppb	0.0142	31.7	178.938	-0.04498
Mo 202.032	-0.6429	ppb	0.5614	87.3	2.5885	-0.64292
Na 330.237	-103.458	ppb	63.4991	61.4	0.3343	-103.45837
Ni 231.604	0.8684	ppb	0.6688	77.0	5.1491	0.86841
Pb 220.353	2.1569	ppb	2.2644	105.0	3.5361	2.15695
Sb 206.834	-0.2346	ppb	2.4582	1047.9	2.4039	-0.23458
Se 196.026	-5.9948	ppb	6.4733	108.0	1.9576	-5.99478
Sn 189.925	-1.2792	ppb	3.1138	243.4	0.4648	-1.27923
Sr 216.596	-0.3470	ppb	0.2891	83.3	2.0882	-0.34702
Ti 334.941	0.0486	ppb	0.0760	156.6	2.5611	0.04857

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	2.8958	ppb	1.4863	51.3	-0.6760	2.89582
V 292.401	0.1842	ppb	0.1423	77.2	27.5904	0.18416
Zn 206.200	0.0472	ppb	0.6131	1298.5	6.3318	0.04722

CRI (CRI) **4/16/2013, 12:13:37 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	9.7924	ppb	0.4311	4.4	295.807	97.92357
Al 308.215	219.472	ppb	0.9477	0.4	739.293	109.73592
As 188.980	17.8535	ppb	1.2166	6.8	5.4751	89.26754
B 249.678	102.984	ppb	1.1843	1.2	980.127	102.98418
Ba 389.178	9.9332	ppb	0.6628	6.7	172.200	99.33183
Be 313.042	4.4303	ppb	0.0469	1.1	7148.34	110.75871
Ca 370.602	536.3	ppb	6.682	1.2	2093	107.26322
Cd 226.502	5.0917	ppb	0.2914	5.7	156.039	101.83335
Co 228.615	10.7323	ppb	0.3832	3.6	84.3080	107.32327
Cr 267.716	10.0196	ppb	0.4183	4.2	203.566	100.19637
Cu 324.754	21.3956	ppb	0.2217	1.0	916.361	106.97778
Fe 271.441	54.4116	ppb	6.5280	12.0	36.2034	108.82322
K 766.491	1064.21	ppb	7.2810	0.7	133911	106.42107
Mg 279.078	540.321	ppb	4.0773	0.8	740.618	108.06417
Mn 257.610	10.6820	ppb	0.1923	1.8	1242.08	106.82041
Mo 202.032	10.1094	ppb	0.4741	4.7	42.7469	101.09368
Na 330.237	1028.30	ppb	122.189	11.9	74.2844	102.82986
Ni 231.604	44.0705	ppb	1.3756	3.1	139.487	110.17616
Pb 220.353	10.6621	ppb	1.9757	18.5	11.0559	106.62128
Sb 206.834	18.6664	ppb	5.2657	28.2	15.2200	93.33211
Se 196.026	16.0186	ppb	13.7471	85.8	7.7128	80.09297
Sn 189.925	53.0731	ppb	2.7482	5.2	35.8875	106.14623
Sr 216.596	10.1201	ppb	0.3868	3.8	68.9624	101.20087
Ti 334.941	10.4618	ppb	0.0995	1.0	2264.78	104.61819
Tl 190.794	24.2721	ppb	5.1299	21.1	9.8347	97.08851
V 292.401	10.7753	ppb	0.2064	1.9	336.924	107.75288
Zn 206.200	21.4508	ppb	0.9361	4.4	78.8332	107.25398

Interf Check A (ICSA) **4/16/2013, 12:19:05 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	-0.5527	ppb	0.3894	70.5	-68.3712	-0.55274
Al 308.215	566064	ppb	378.966	0.1	1759628	-
As 188.980	-1.9956	ppb	13.8426	693.6	-20.3679	-1.99562
B 249.678	6.5832	ppb	0.5028	7.6	-336.370	6.58323
Ba 389.178	-3.3306	ppb	0.7050	21.2	1273.54	-3.33065
Be 313.042	-0.2121	ppb	0.0143	6.8	-24.1608	-0.21209
Ca 370.602	526403	ppb	1417	0.3	2057710	-
Cd 226.502	1.5848	ppb	0.4109	25.9	559.042	1.58482
Co 228.615	0.2768	ppb	0.9940	359.1	1.2480	0.27680
Cr 267.716	-1.5542	ppb	0.1298	8.4	-99.3417	-1.55425
Cu 324.754	2.2701	ppb	0.7636	33.6	-1078.97	2.27014
Fe 271.441	200381	ppb	290.920	0.1	156960	-
K 766.491	-9.0674	ppb	0.0606	0.7	2871.78	-9.06737

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	554588	ppb	981.295	0.2	728181	-
Mn 257.610	0.3698	ppb	0.1202	32.5	1900.29	0.36977
Mo 202.032	-4.7066	ppb	0.3306	7.0	-32.4236	-4.70664
Na 330.237	424.711	ppb	204.935	48.3	-58.9697	424.71094
Ni 231.604	4.6581	ppb	2.6423	56.7	52.6597	4.65811
Pb 220.353	5.4580	ppb	1.2783	23.4	-60.3943	5.45798
Sb 206.834	-5.3795	ppb	4.8212	89.6	9.3103	-5.37954
Se 196.026	-9.8123	ppb	21.0179	214.2	7.8002	-9.81232
Sn 189.925	-1.3073	ppb	2.7724	212.1	-1.6065	-1.30728
Sr 216.596	-2.4899	ppb	2.0850	83.7	124.476	-2.48989
Ti 334.941	6.3813	ppb	0.0473	0.7	2006.80	6.38135
Tl 190.794	0.0926	ppb	5.6126	6058.3	-22.4713	0.09264
V 292.401	0.3347	ppb	0.3920	117.1	77.6380	0.33469
Zn 206.200	7.0115	ppb	0.1836	2.6	56.2067	7.01154

Interf Check AB (ICSAB) **4/16/2013, 12:24:33 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	230.533b	ppb	2.8437	1.2	7183.14	115.26653
Al 308.215	572875b	ppb	2819.71	0.5	1780857	114.57501
As 188.980	108.917b	ppb	4.1911	3.8	24.9031	108.91683
B 249.678	5.9757b	ppb	1.0645	17.8	-346.021	-
Ba 389.178	545.862b	ppb	5.0503	0.9	10830.1	109.17240
Be 313.042	536.221b	ppb	2.6850	0.5	848409	107.24422
Ca 370.602	532711b	ppb	2027	0.4	2082451	106.54223
Cd 226.502	1047.69b	ppb	5.7425	0.5	25387.3	104.76942
Co 228.615	521.241b	ppb	2.8606	0.5	4295.57	104.24825
Cr 267.716	540.996b	ppb	4.4067	0.8	8951.35	108.19920
Cu 324.754	596.526b	ppb	3.4089	0.6	20436.7	119.30525
Fe 271.441	202458b	ppb	1109.05	0.5	158618	101.22923
K 766.491	-9.5625b	ppb	0.1698	1.8	2670.34	-
Mg 279.078	562561b	ppb	2604.52	0.5	738651	112.51220
Mn 257.610	548.033b	ppb	3.5326	0.6	56122.8	109.60665
Mo 202.032	1121.58xb	ppb	2.4373	0.2	4175.52	112.15764
Na 330.237	395.187b	ppb	141.711	35.9	-60.2022	-
Ni 231.604	1021.49b	ppb	6.7967	0.7	3213.79	102.14856
Pb 220.353	54.7421b	ppb	6.9939	12.8	-19.6083	109.48418
Sb 206.834	621.298b	ppb	14.9557	2.4	438.678	103.54971
Se 196.026	54.7606b	ppb	6.6151	12.1	24.8456	109.52125
Sn 189.925	1059.57b	ppb	14.2405	1.3	689.749	105.95730
Sr 216.596	-2.5559b	ppb	1.7733	69.4	62.5888	-
Ti 334.941	-0.0270b	ppb	0.0446	165.4	656.696	-
Tl 190.794	94.5252b	ppb	6.7397	7.1	23.8996	94.52522
V 292.401	519.724b	ppb	2.9209	0.6	15091.8	103.94470
Zn 206.200	1020.07b	ppb	7.3569	0.7	3486.83	102.00690

LRA1 (Samp) **4/16/2013, 12:30:01 PM** **Rack S, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4856b	ppb	0.3707	25.0	-34.7792
Al 308.215	88.5324b	ppb	0.1307	0.1	331.935

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	19991.3xb	ppb	170.273	0.9	8166.64
B 249.678	5334.21xb	ppb	5.6195	0.1	47278.7
Ba 389.178	-2.7584b	ppb	0.6667	24.2	-48.3855
Be 313.042	0.1636b	ppb	0.0034	2.1	377.799
Ca 370.602	-34.48b	ppb	5.700	16.5	4417
Cd 226.502	-1.3963b	ppb	0.1466	10.5	3.8815
Co 228.615	11149.5b	ppb	15.7472	0.1	92816.6
Cr 267.716	-1.1813b	ppb	0.4015	34.0	82.2826
Cu 324.754	-18.3066b	ppb	0.3312	1.8	-662.791
Fe 271.441	205.294b	ppb	8.9917	4.4	685.636
K 766.491	-11.7080b	ppb	0.3490	3.0	2573.76
Mg 279.078	65.2629b	ppb	9.1562	14.0	51.0418
Mn 257.610	31347.8xb	ppb	23.4980	0.1	3102832
Mo 202.032	-1.1382b	ppb	1.0059	88.4	0.5855
Na 330.237	117221xb	ppb	138.239	0.1	7436.31
Ni 231.604	11036.3b	ppb	16.8281	0.2	34305.1
Pb 220.353	21221.1xb	ppb	37.0862	0.2	18894.4
Sb 206.834	80.6864b	ppb	1.0670	1.3	2.9112
Se 196.026	-6.1832b	ppb	4.6545	75.3	7.5314
Sn 189.925	-8.9329b	ppb	4.7908	53.6	4.1106
Sr 216.596	-8.6341b	ppb	1.4453	16.7	-493.803
Ti 334.941	33109.9b	ppb	36.5837	0.1	7189224
Tl 190.794	4.8856b	ppb	18.3927	376.5	42.2355
V 292.401	2.2200b	ppb	0.2101	9.5	337.743
Zn 206.200	1.0518b	ppb	0.2230	21.2	9.7259

LRA2 (Samp) **4/16/2013, 12:35:30 PM** **Rack S, Tube 8**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5584b	ppb	0.3670	23.5	-235.280
Al 308.215	904098xb	ppb	2180.42	0.2	2810313
As 188.980	-66.9243b	ppb	9.5565	14.3	-59.4511
B 249.678	19.7803b	ppb	2.2592	11.4	-1913.24
Ba 389.178	7.4946b	ppb	1.7082	22.8	2932.96
Be 313.042	-0.1459b	ppb	0.0127	8.7	160.954
Ca 370.602	816712b	ppb	3280	0.4	3075276
Cd 226.502	11.8232b	ppb	0.2572	2.2	2433.33
Co 228.615	4.4152b	ppb	1.3571	30.7	48.0363
Cr 267.716	6.7611b	ppb	0.7582	11.2	-364.147
Cu 324.754	0.7588b	ppb	0.1824	24.0	-1575.18
Fe 271.441	926090b	ppb	2894.45	0.3	725440
K 766.491	359988oxb	ppb	7543.60	2.1	43948796
Mg 279.078	857285xb	ppb	2185.04	0.3	1123139
Mn 257.610	24.7167b	ppb	0.2874	1.2	5943.96
Mo 202.032	-8.3998b	ppb	2.0973	25.0	-142.584
Na 330.237	-1052.00b	ppb	71.8154	6.8	-448.432
Ni 231.604	2.9974b	ppb	2.4565	82.0	106.461
Pb 220.353	17.3288b	ppb	2.7575	15.9	-93.3183
Sb 206.834	-18.7281b	ppb	2.6991	14.4	22.3952
Se 196.026	65.3475b	ppb	9.4062	14.4	19.1055
Sn 189.925	7.6266b	ppb	7.8522	103.0	3.2041
Sr 216.596	2.1326b	ppb	0.0592	2.8	542.660
Ti 334.941	23.5965b	ppb	0.2998	1.3	6113.26

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-25.9444b	ppb	16.7047	64.4	-73.7388
V 292.401	0.5104b	ppb	0.2877	56.4	237.411
Zn 206.200	28815.7b	ppb	79.8155	0.3	97698.9

rinse (Samp) **4/16/2013, 12:40:58 PM** **Rack S, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5645	ppb	0.3510	62.2	-29.0615
Al 308.215	1.3412	ppb	3.5356	263.6	60.4216
As 188.980	5.5804	ppb	5.2975	94.9	0.4806
B 249.678	1.3089	ppb	0.6291	48.1	84.7034
Ba 389.178	-0.1430	ppb	0.3369	235.6	-3.8499
Be 313.042	0.0066	ppb	0.0128	195.0	147.922
Ca 370.602	1.756	ppb	1.780	101.4	-27.17
Cd 226.502	-0.0168	ppb	0.1472	874.5	34.6887
Co 228.615	-0.4105	ppb	0.8444	205.7	-7.9355
Cr 267.716	0.1507	ppb	0.4591	304.6	38.9116
Cu 324.754	0.1497	ppb	0.0236	15.8	148.123
Fe 271.441	5.9802	ppb	5.9603	99.7	-2.3601
K 766.491	2.5310	ppb	0.5105	20.2	4311.18
Mg 279.078	3.5604	ppb	2.1010	59.0	35.3285
Mn 257.610	-0.0110	ppb	0.0251	226.9	182.306
Mo 202.032	0.3194	ppb	0.3674	115.0	6.1848
Na 330.237	-139.141	ppb	132.568	95.3	-2.0046
Ni 231.604	0.4448	ppb	0.1888	42.4	3.8323
Pb 220.353	1.4601	ppb	1.5906	108.9	2.9148
Sb 206.834	2.6704	ppb	2.4040	90.0	4.3774
Se 196.026	-1.3082	ppb	6.7359	514.9	3.1807
Sn 189.925	-0.7659	ppb	1.9000	248.1	0.7996
Sr 216.596	-0.0815	ppb	1.3049	1601.1	3.8396
Ti 334.941	0.7944	ppb	0.6728	84.7	164.518
Tl 190.794	3.0548	ppb	3.2612	106.8	-0.5988
V 292.401	0.2868	ppb	0.1355	47.2	30.4993
Zn 206.200	-0.0938	ppb	0.0592	63.2	5.8532

Cont Calib Verif (CCV) **4/16/2013, 12:46:23 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	509.467	ppb	3.2138	0.6	15969.8	101.89339
Al 308.215	5024.99	ppb	62.7235	1.2	15959.9	100.49975
As 188.980	497.129	ppb	6.5629	1.3	202.156	99.42585
B 249.678	515.488	ppb	6.4482	1.3	4607.22	20.61953Q
Ba 389.178	5207.33	ppb	59.8258	1.1	90397.4	104.14668
Be 313.042	520.422	ppb	5.8135	1.1	826063	104.08445
Ca 370.602	5204	ppb	54.92	1.1	19992	104.07862
Cd 226.502	519.467	ppb	6.5273	1.3	12373.3	103.89339
Co 228.615	525.348	ppb	5.9001	1.1	4349.64	105.06952
Cr 267.716	5226.09	ppb	65.4508	1.3	87239.0	104.52180
Cu 324.754	5159.06	ppb	47.5641	0.9	186914	103.18111
Fe 271.441	5107.32	ppb	55.6004	1.1	4058.74	102.14637
K 766.491	9959.94	ppb	102.540	1.0	1218510	99.59943

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	5006.00	ppb	53.0702	1.1	6579.21	100.11990
Mn 257.610	5367.50	ppb	36.5615	0.7	531394	107.35009
Mo 202.032	496.411	ppb	7.3380	1.5	1849.50	99.28220
Na 330.237	7647.66	ppb	70.0158	0.9	505.457	101.96877
Ni 231.604	2594.58	ppb	26.8902	1.0	8071.85	103.78313
Pb 220.353	509.737	ppb	9.6737	1.9	449.246	101.94746
Sb 206.834	945.151	ppb	13.6541	1.4	681.075	37.80605Q
Se 196.026	4943.64	ppb	81.5080	1.6	1294.59	98.87277
Sn 189.925	5041.12	ppb	69.0154	1.4	3286.74	100.82240
Sr 216.596	2546.70	ppb	31.3243	1.2	16623.5	101.86806
Ti 334.941	503.994	ppb	6.3740	1.3	109758	100.79875
Tl 190.794	5061.07	ppb	66.2857	1.3	2488.85	101.22134
V 292.401	4981.89	ppb	60.9191	1.2	146581	99.63783
Zn 206.200	2610.28	ppb	34.8282	1.3	8828.97	104.41111

Cont Calib Blank (CCB) **4/16/2013, 12:51:48 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	-1.0209	ppb	0.4557	44.6	-43.3764	-1.02093
Al 308.215	-2.1132	ppb	1.9181	90.8	49.6310	-2.11320
As 188.980	0.9839	ppb	2.0959	213.0	-1.3978	0.98392
B 249.678	0.9630	ppb	0.6189	64.3	81.6346	0.96295
Ba 389.178	-0.8727	ppb	0.1440	16.5	-16.5339	-0.87271
Be 313.042	-0.2009	ppb	0.0022	1.1	-180.588	-0.20089
Ca 370.602	-13.52	ppb	1.858	13.7	-88.91	-13.51849
Cd 226.502	-0.8382	ppb	0.2620	31.3	15.2075	-0.83817
Co 228.615	-1.0224	ppb	0.2429	23.8	-13.0111	-1.02238
Cr 267.716	-1.5829	ppb	0.4409	27.9	9.9761	-1.58290
Cu 324.754	-1.4351	ppb	0.5272	36.7	90.7741	-1.43509
Fe 271.441	7.7347	ppb	1.5089	19.5	-1.0269	7.73470
K 766.491	-13.5479	ppb	0.2583	1.9	2348.53	-13.54786
Mg 279.078	-3.7089	ppb	3.0871	83.2	25.7612	-3.70887
Mn 257.610	-1.6897	ppb	0.0842	5.0	16.1524	-1.68968
Mo 202.032	-0.3136	ppb	0.5975	190.5	3.8199	-0.31364
Na 330.237	-73.5506	ppb	7.3937	10.1	2.2877	-73.55064
Ni 231.604	-0.8559	ppb	1.0140	118.5	-0.2125	-0.85587
Pb 220.353	-1.4123	ppb	3.4466	244.0	0.3600	-1.41234
Sb 206.834	2.7919	ppb	2.1437	76.8	4.4468	2.79187
Se 196.026	2.9507	ppb	13.1264	444.9	4.2915	2.95074
Sn 189.925	-3.0582	ppb	3.1920	104.4	-0.6945	-3.05821
Sr 216.596	-2.4284	ppb	0.3994	16.4	-11.5221	-2.42836
Ti 334.941	-0.1513	ppb	0.0515	34.1	-40.9372	-0.15127
Tl 190.794	0.9881	ppb	1.1422	115.6	-1.6160	0.98813
V 292.401	-0.5004	ppb	0.2288	45.7	7.4553	-0.50045
Zn 206.200	-1.3881	ppb	0.2441	17.6	1.4748	-1.38810

mb 680-273110/1-a (Samp) **4/16/2013, 1:06:07 PM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6379	ppb	0.4752	74.5	-31.3611
Al 308.215	-3.9337	ppb	2.6062	66.3	43.9605

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-6.4333	ppb	3.0939	48.1	-4.4294
B 249.678	0.1337	ppb	0.1634	122.2	74.3653
Ba 389.178	-1.7619	ppb	1.0492	59.5	-31.9726
Be 313.042	-0.2159	ppb	0.0050	2.3	-204.216
Ca 370.602	-16.29	ppb	1.249	7.7	-98.53
Cd 226.502	-0.9190	ppb	0.1178	12.8	13.2714
Co 228.615	-0.4405	ppb	0.5093	115.6	-8.1821
Cr 267.716	-1.6044	ppb	0.4327	27.0	9.6214
Cu 324.754	-1.2537	ppb	0.1189	9.5	97.3447
Fe 271.441	1.5616	ppb	0.7681	49.2	-5.8398
K 766.491	-14.2816	ppb	0.0543	0.4	2259.23
Mg 279.078	-5.6799	ppb	5.4611	96.1	23.2009
Mn 257.610	-1.7846	ppb	0.0767	4.3	6.7485
Mo 202.032	-1.0428	ppb	0.9455	90.7	1.0956
Na 330.237	-31.9975	ppb	51.0681	159.6	5.0102
Ni 231.604	-0.7611	ppb	0.3274	43.0	0.0809
Pb 220.353	-1.7361	ppb	1.1742	67.6	0.0729
Sb 206.834	5.2100	ppb	5.5827	107.2	6.0924
Se 196.026	8.3736	ppb	5.5418	66.2	5.7067
Sn 189.925	-4.1162	ppb	0.7874	19.1	-1.3840
Sr 216.596	-1.7637	ppb	0.6323	35.9	-7.1498
Ti 334.941	-0.2161	ppb	0.0216	10.0	-55.0223
Tl 190.794	0.8551	ppb	6.3999	748.5	-1.6794
V 292.401	-0.4215	ppb	0.1756	41.7	9.9425
Zn 206.200	-0.7069	ppb	0.6090	86.1	3.7830

lcs 680-273110/2-a (Samp) **4/16/2013, 1:11:33 PM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.9952	ppb	0.5586	2.7	649.022
Al 308.215	10333.3	ppb	126.539	1.2	32191.8
As 188.980	205.701	ppb	7.2271	3.5	81.9526
B 249.678	389.981	ppb	5.0944	1.3	3484.29
Ba 389.178	211.487	ppb	2.4703	1.2	3702.35
Be 313.042	106.106	ppb	1.1628	1.1	168023
Ca 370.602	10224	ppb	110.9	1.1	38798
Cd 226.502	106.133	ppb	1.3210	1.2	2576.73
Co 228.615	105.605	ppb	1.0516	1.0	869.763
Cr 267.716	211.107	ppb	2.0428	1.0	3554.66
Cu 324.754	212.413	ppb	4.5622	2.1	7811.76
Fe 271.441	10109.6	ppb	103.893	1.0	7919.17
K 766.491	10122.3	ppb	92.3758	0.9	1239602
Mg 279.078	10105.4	ppb	139.109	1.4	13270.5
Mn 257.610	1090.02	ppb	11.9944	1.1	108096
Mo 202.032	205.284	ppb	1.3911	0.7	770.505
Na 330.237	10227.6	ppb	79.6450	0.8	670.089
Ni 231.604	208.419	ppb	2.6788	1.3	651.394
Pb 220.353	98.8475	ppb	4.8995	5.0	87.8492
Sb 206.834	96.5250	ppb	6.3653	6.6	69.4223
Se 196.026	202.672	ppb	10.5440	5.2	56.6113
Sn 189.925	399.291	ppb	4.3723	1.1	261.536
Sr 216.596	203.489	ppb	2.5951	1.3	1334.90
Ti 334.941	203.588	ppb	2.0801	1.0	44222.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	75.3312	ppb	4.5590	6.1	34.5578
V 292.401	205.043	ppb	2.4695	1.2	6011.36
Zn 206.200	207.521	ppb	2.9056	1.4	709.067

lcs 680-273110/3-a (Samp) **4/16/2013, 1:16:59 PM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	418.449b	ppb	3.5256	0.8	13123.9
Al 308.215	4170.64b	ppb	16.2669	0.4	13047.7
As 188.980	411.766b	ppb	11.2723	2.7	165.096
B 249.678	778.194b	ppb	1.1814	0.2	6833.40
Ba 389.178	393.480b	ppb	2.1317	0.5	6960.61
Be 313.042	411.026b	ppb	1.2951	0.3	650280
Ca 370.602	41011b	ppb	183.0	0.4	155432
Cd 226.502	410.632b	ppb	2.2864	0.6	9872.36
Co 228.615	411.952b	ppb	7.1113	1.7	3406.80
Cr 267.716	413.935b	ppb	1.9546	0.5	6924.93
Cu 324.754	428.220b	ppb	1.4367	0.3	15559.8
Fe 271.441	41818.8b	ppb	205.617	0.5	32775.0
K 766.491	40559.5xb	ppb	153.162	0.4	4955116
Mg 279.078	40668.8b	ppb	212.838	0.5	53309.0
Mn 257.610	4290.67b	ppb	19.6424	0.5	424962
Mo 202.032	406.984b	ppb	1.0577	0.3	1519.37
Na 330.237	37428.1b	ppb	272.467	0.7	2432.89
Ni 231.604	416.831b	ppb	0.8684	0.2	1302.32
Pb 220.353	395.770b	ppb	5.5540	1.4	352.195
Sb 206.834	377.044b	ppb	5.7273	1.5	264.066
Se 196.026	405.158b	ppb	10.6053	2.6	109.894
Sn 189.925	389.872b	ppb	0.8560	0.2	255.340
Sr 216.596	424.244b	ppb	2.6166	0.6	2790.54
Ti 334.941	401.028b	ppb	1.8295	0.5	87140.4
Tl 190.794	76.1527b	ppb	5.5308	7.3	34.0050
V 292.401	409.043b	ppb	2.4942	0.6	11971.2
Zn 206.200	385.263b	ppb	3.3489	0.9	1312.45

lb 680-272391/3-c (Samp) **4/16/2013, 1:22:26 PM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5742b	ppb	0.6476	112.8	-29.3615
Al 308.215	0.4876b	ppb	1.8328	375.9	57.7340
As 188.980	-3.8094b	ppb	4.3493	114.2	-3.3682
B 249.678	43.7247b	ppb	0.4347	1.0	458.215
Ba 389.178	-1.4449b	ppb	0.9270	64.2	-26.2776
Be 313.042	-0.2027b	ppb	0.0046	2.3	-194.480
Ca 370.602	343.3b	ppb	4.189	1.2	1332
Cd 226.502	-1.0300b	ppb	0.0791	7.7	10.2501
Co 228.615	-0.8783b	ppb	0.4402	50.1	-11.8278
Cr 267.716	-1.8176b	ppb	0.1977	10.9	6.7697
Cu 324.754	-0.8299b	ppb	0.2191	26.4	111.730
Fe 271.441	9.4131b	ppb	5.0418	53.6	0.3047
K 766.491	81.4756b	ppb	0.1704	0.2	13948.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	85.0285b	ppb	4.2812	5.0	142.392
Mn 257.610	-1.5271b	ppb	0.0500	3.3	32.2136
Mo 202.032	0.5534b	ppb	0.6116	110.5	7.0598
Na 330.237	126456xb	ppb	989.299	0.8	8277.02
Ni 231.604	-0.7952b	ppb	0.6594	82.9	-0.0205
Pb 220.353	-0.0366b	ppb	4.2530	11618.3	1.5830
Sb 206.834	-1.9992b	ppb	1.6400	82.0	1.1979
Se 196.026	-1.4470b	ppb	9.1937	635.4	3.1483
Sn 189.925	-4.9324b	ppb	3.0857	62.6	-1.8853
Sr 216.596	-1.2083b	ppb	0.2542	21.0	-3.5014
Ti 334.941	-0.0801b	ppb	0.0291	36.4	-32.0321
Tl 190.794	-0.3392b	ppb	0.9601	283.1	-2.2714
V 292.401	-0.4217b	ppb	0.2460	58.3	8.6378
Zn 206.200	31.0203b	ppb	2.7501	8.9	111.287

680-89069-a-1-g (Samp) **4/16/2013, 1:27:53 PM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9305b	ppb	0.4369	47.0	-40.3909
Al 308.215	9529.95b	ppb	12.5409	0.1	29679.9
As 188.980	0.5785b	ppb	4.4277	765.3	-1.7827
B 249.678	250.508b	ppb	0.2010	0.1	2278.57
Ba 389.178	12.5705b	ppb	1.1483	9.1	217.862
Be 313.042	4.5614b	ppb	0.0052	0.1	7334.87
Ca 370.602	5916b	ppb	10.41	0.2	23464
Cd 226.502	-0.5297b	ppb	0.0627	11.8	23.2113
Co 228.615	0.3534b	ppb	0.1582	44.8	-1.6062
Cr 267.716	-0.9060b	ppb	0.2105	23.2	22.3144
Cu 324.754	7.9347b	ppb	0.1958	2.5	415.095
Fe 271.441	316.877b	ppb	3.4677	1.1	241.220
K 766.491	1188.47b	ppb	0.8725	0.1	149079
Mg 279.078	382.264b	ppb	3.3202	0.9	531.758
Mn 257.610	44.0324b	ppb	0.0818	0.2	4541.94
Mo 202.032	0.1881b	ppb	0.9046	480.9	5.7861
Na 330.237	200471xb	ppb	980.175	0.5	13117.2
Ni 231.604	137.591b	ppb	0.8151	0.6	430.245
Pb 220.353	-0.4272b	ppb	1.0267	240.3	0.1323
Sb 206.834	2.9133b	ppb	2.4924	85.6	4.6350
Se 196.026	6.5040b	ppb	10.2771	158.0	5.3185
Sn 189.925	-3.7630b	ppb	0.8355	22.2	-1.1265
Sr 216.596	47.5691b	ppb	0.4372	0.9	312.063
Ti 334.941	0.1085b	ppb	0.0767	70.7	11.4109
Tl 190.794	3.9244b	ppb	6.4928	165.4	-0.3508
V 292.401	0.4832b	ppb	0.1137	23.5	34.6735
Zn 206.200	12.4853b	ppb	5.6539	45.3	48.5009

680-89069-a-1-gSD^5 (Samp) **4/16/2013, 1:33:20 PM** **Rack 1, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6053	ppb	0.3057	50.5	-30.3068
Al 308.215	1907.52	ppb	57.0210	3.0	5985.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.6680	ppb	6.8148	185.8	-3.3438
B 249.678	49.6227	ppb	1.2662	2.6	510.024
Ba 389.178	1.6913	ppb	0.4958	29.3	28.1889
Be 313.042	0.7550	ppb	0.0297	3.9	1328.16
Ca 370.602	1194	ppb	32.57	2.7	4707
Cd 226.502	-0.8520	ppb	0.2077	24.4	15.0221
Co 228.615	-0.6317	ppb	0.4098	64.9	-9.7667
Cr 267.716	-1.5507	ppb	0.2560	16.5	10.7134
Cu 324.754	0.6880	ppb	0.2640	38.4	164.600
Fe 271.441	70.8500	ppb	3.3256	4.7	48.4333
K 766.491	201.988	ppb	5.6385	2.8	28659.0
Mg 279.078	73.6854	ppb	1.9966	2.7	127.221
Mn 257.610	8.0763	ppb	0.2221	2.7	982.833
Mo 202.032	-0.7124	ppb	0.1402	19.7	2.3480
Na 330.237	38608.7	ppb	1436.87	3.7	2532.05
Ni 231.604	27.0776	ppb	0.8342	3.1	86.6387
Pb 220.353	1.7328	ppb	5.1493	297.2	2.9388
Sb 206.834	-0.3582	ppb	2.9428	821.5	2.3245
Se 196.026	-2.7623	ppb	4.8355	175.1	2.8209
Sn 189.925	-1.7470	ppb	2.4167	138.3	0.1650
Sr 216.596	8.5522	ppb	0.8559	10.0	59.6433
Ti 334.941	-0.0689	ppb	0.0666	96.8	-23.7709
Tl 190.794	0.9796	ppb	5.7469	586.6	-1.6553
V 292.401	-0.3310	ppb	0.1891	57.1	12.2093
Zn 206.200	41.4507	ppb	17.1838	41.5	146.630

680-89069-a-1-gPDS (Samp) **4/16/2013, 1:38:48 PM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7924b	ppb	0.2913	0.6	1550.07
Al 308.215	11373.5b	ppb	31.1373	0.3	35449.9
As 188.980	2075.62b	ppb	13.8404	0.7	846.208
B 249.678	1232.23b	ppb	2.9556	0.2	10928.0
Ba 389.178	2096.17b	ppb	10.3417	0.5	36386.4
Be 313.042	56.2896b	ppb	0.2559	0.5	89385.2
Ca 370.602	10934b	ppb	37.20	0.3	43386
Cd 226.502	51.5937b	ppb	0.1368	0.3	1262.50
Co 228.615	524.468b	ppb	1.6575	0.3	4345.99
Cr 267.716	208.344b	ppb	1.3041	0.6	3512.69
Cu 324.754	269.601b	ppb	1.0069	0.4	9871.28
Fe 271.441	1316.54b	ppb	10.6821	0.8	1054.41
K 766.491	7187.13b	ppb	19.1489	0.3	880820
Mg 279.078	5284.15b	ppb	22.6308	0.4	6969.59
Mn 257.610	582.799b	ppb	2.7825	0.5	57885.0
Mo 202.032	513.068b	ppb	3.6944	0.7	1921.42
Na 330.237	203950xb	ppb	998.084	0.5	13338.1
Ni 231.604	646.477b	ppb	4.1628	0.6	2013.32
Pb 220.353	491.735b	ppb	1.9889	0.4	437.047
Sb 206.834	487.193b	ppb	3.7049	0.8	330.786
Se 196.026	2035.02b	ppb	21.0980	1.0	534.849
Sn 189.925	1006.94b	ppb	0.9513	0.1	657.799
Sr 216.596	560.732b	ppb	3.7058	0.7	3654.38
Ti 334.941	998.589b	ppb	5.0375	0.5	216834

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	2021.21b	ppb	15.0881	0.7	991.586
V 292.401	500.406b	ppb	2.8561	0.6	14656.3
Zn 206.200	541.781b	ppb	6.7870	1.3	1841.24

680-89069-a-1-h ms (Samp) **4/16/2013, 1:44:15 PM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	42.2121b	ppb	0.9623	2.3	1314.77
Al 308.215	8436.03b	ppb	211.332	2.5	26284.7
As 188.980	83.8594b	ppb	10.6585	12.7	32.0308
B 249.678	352.773b	ppb	7.6070	2.2	3161.97
Ba 389.178	86.7898b	ppb	2.1908	2.5	1530.60
Be 313.042	85.4337b	ppb	1.9223	2.3	135257
Ca 370.602	12678b	ppb	268.9	2.1	48937
Cd 226.502	80.9177b	ppb	1.5537	1.9	1973.20
Co 228.615	80.9622b	ppb	1.5830	2.0	665.903
Cr 267.716	80.6482b	ppb	1.8189	2.3	1379.54
Cu 324.754	62.2455b	ppb	1.4383	2.3	2367.08
Fe 271.441	8095.81b	ppb	179.445	2.2	6339.36
K 766.491	9752.81b	ppb	212.913	2.2	1194535
Mg 279.078	7827.73b	ppb	202.167	2.6	10285.2
Mn 257.610	885.127b	ppb	16.5380	1.9	87809.1
Mo 202.032	79.2197b	ppb	2.2526	2.8	299.886
Na 330.237	167176xb	ppb	3316.75	2.0	10935.8
Ni 231.604	185.587b	ppb	5.3615	2.9	580.192
Pb 220.353	76.2685b	ppb	0.2235	0.3	68.2854
Sb 206.834	78.2284b	ppb	1.2936	1.7	56.8292
Se 196.026	78.0420b	ppb	11.9822	15.4	24.0985
Sn 189.925	70.5921b	ppb	4.3873	6.2	47.3178
Sr 216.596	117.023b	ppb	3.2593	2.8	769.203
Ti 334.941	78.5942b	ppb	1.7889	2.3	17068.1
Tl 190.794	17.7830b	ppb	4.9159	27.6	6.2521
V 292.401	79.1134b	ppb	2.1037	2.7	2331.54
Zn 206.200	92.6146b	ppb	3.1039	3.4	320.149

680-89069-a-1-i msd (Samp) **4/16/2013, 1:49:44 PM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	28.2932b	ppb	1.4047	5.0	878.109
Al 308.215	8404.38b	ppb	388.956	4.6	26186.3
As 188.980	74.9301b	ppb	6.7976	9.1	28.3822
B 249.678	351.017b	ppb	16.4205	4.7	3146.55
Ba 389.178	86.5910b	ppb	3.3424	3.9	1527.11
Be 313.042	85.3435b	ppb	3.8977	4.6	135114
Ca 370.602	12669b	ppb	545.0	4.3	48908
Cd 226.502	80.7618b	ppb	3.9015	4.8	1969.44
Co 228.615	80.1133b	ppb	3.2061	4.0	658.873
Cr 267.716	80.9854b	ppb	3.2925	4.1	1385.17
Cu 324.754	53.8554b	ppb	2.5055	4.7	2063.20
Fe 271.441	8072.61b	ppb	369.055	4.6	6321.13
K 766.491	9727.82b	ppb	387.895	4.0	1191483

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	7819.83b	ppb	369.756	4.7	10275.0
Mn 257.610	875.553b	ppb	39.2379	4.5	86861.5
Mo 202.032	78.6386b	ppb	4.6579	5.9	297.718
Na 330.237	166999xb	ppb	7411.52	4.4	10924.2
Ni 231.604	182.523b	ppb	10.1204	5.5	570.666
Pb 220.353	77.2157b	ppb	6.6539	8.6	69.1328
Sb 206.834	71.8034b	ppb	1.6557	2.3	52.4665
Se 196.026	71.4823b	ppb	10.9659	15.3	22.3852
Sn 189.925	74.5495b	ppb	6.1347	8.2	49.8968
Sr 216.596	116.281b	ppb	4.9735	4.3	764.452
Ti 334.941	78.2485b	ppb	3.4910	4.5	16993.1
Tl 190.794	18.7286b	ppb	3.5123	18.8	6.7158
V 292.401	78.9688b	ppb	3.3855	4.3	2327.37
Zn 206.200	95.9669b	ppb	4.7057	4.9	331.507

680-89069-a-2-c (Samp) **4/16/2013, 1:55:12 PM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7140b	ppb	0.1491	20.9	-33.5842
Al 308.215	8.0318b	ppb	4.0753	50.7	81.4440
As 188.980	-3.3745b	ppb	0.8555	25.4	-3.2052
B 249.678	42.5880b	ppb	1.0441	2.5	448.170
Ba 389.178	-0.6782b	ppb	0.6790	100.1	-12.9377
Be 313.042	1.0005b	ppb	0.0036	0.4	1687.87
Ca 370.602	159.8b	ppb	2.881	1.8	601.4
Cd 226.502	-0.8477b	ppb	0.3110	36.7	13.8309
Co 228.615	0.4596b	ppb	0.6067	132.0	-0.8429
Cr 267.716	-1.4060b	ppb	0.1747	12.4	14.9877
Cu 324.754	9.4192b	ppb	0.3622	3.8	484.183
Fe 271.441	15.2321b	ppb	6.5066	42.7	4.9492
K 766.491	1716.70b	ppb	5.0063	0.3	213565
Mg 279.078	76.9634b	ppb	3.5995	4.7	131.707
Mn 257.610	33.9142b	ppb	0.1092	0.3	3539.11
Mo 202.032	6.4232b	ppb	0.7781	12.1	28.9923
Na 330.237	360079xb	ppb	364.477	0.1	23555.4
Ni 231.604	105.893b	ppb	0.9751	0.9	331.661
Pb 220.353	-1.3254b	ppb	2.3312	175.9	0.4249
Sb 206.834	-1.0406b	ppb	1.1594	111.4	1.8367
Se 196.026	0.4959b	ppb	9.1778	1850.9	3.6596
Sn 189.925	-2.1950b	ppb	2.0614	93.9	-0.0414
Sr 216.596	-0.6799b	ppb	0.4419	65.0	-4.4389
Ti 334.941	0.4439b	ppb	0.0523	11.8	68.7101
Tl 190.794	2.5334b	ppb	3.6157	142.7	-0.8613
V 292.401	1.7352b	ppb	0.3374	19.4	68.8985
Zn 206.200	35.6194b	ppb	0.7200	2.0	126.869

Cont Calib Verif (CCV) **4/16/2013, 2:00:39 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	509.424	ppb	1.2061	0.2	15968.6	101.88475
Al 308.215	5022.99	ppb	11.3264	0.2	15953.3	100.45985

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	498.277	ppb	2.3171	0.5	202.622	99.65539
B 249.678	511.427	ppb	0.5538	0.1	4571.39	20.45709Q
Ba 389.178	5201.87	ppb	4.1987	0.1	90302.6	104.03741
Be 313.042	519.445	ppb	0.6667	0.1	824514	103.88899
Ca 370.602	5210	ppb	5.050	0.1	20013	104.20654
Cd 226.502	516.988	ppb	1.2886	0.2	12314.5	103.39766
Co 228.615	524.499	ppb	0.8948	0.2	4342.65	104.89973
Cr 267.716	5209.95	ppb	3.0015	0.1	86969.7	104.19907
Cu 324.754	5161.73	ppb	7.8250	0.2	187011	103.23454
Fe 271.441	5130.34	ppb	2.8485	0.1	4076.68	102.60686
K 766.491	9920.65	ppb	9.0294	0.1	1213715	99.20654
Mg 279.078	4949.39	ppb	8.4572	0.2	6504.70	98.98780
Mn 257.610	5386.35	ppb	3.2339	0.1	533259	107.72694
Mo 202.032	495.456	ppb	1.9579	0.4	1845.94	99.09126
Na 330.237	7801.15	ppb	158.315	2.0	515.567	104.01531
Ni 231.604	2588.36	ppb	12.8626	0.5	8052.51	103.53424
Pb 220.353	504.701	ppb	3.3054	0.7	444.774	100.94019
Sb 206.834	944.416	ppb	13.7975	1.5	680.505	37.77663Q
Se 196.026	4934.92	ppb	9.6614	0.2	1292.32	98.69849
Sn 189.925	5016.76	ppb	9.2915	0.2	3270.87	100.33530
Sr 216.596	2533.17	ppb	0.7310	0.0	16534.9	101.32672
Ti 334.941	505.385	ppb	0.1379	0.0	110059	101.07707
Tl 190.794	5058.02	ppb	5.8566	0.1	2487.34	101.16050
V 292.401	4976.09	ppb	1.3515	0.0	146411	99.52176
Zn 206.200	2667.43	ppb	1.3800	0.1	9022.67	106.69720

Cont Calib Blank (CCB) **4/16/2013, 2:06:06 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	-0.5561	ppb	0.2096	37.7	-28.7951	-0.55608
Al 308.215	-6.3001	ppb	2.6913	42.7	36.6017	-6.30013
As 188.980	-1.6781	ppb	4.1558	247.6	-2.4861	-1.67815
B 249.678	-0.8084	ppb	0.4039	50.0	66.0759	-0.80845
Ba 389.178	-1.2646	ppb	0.4367	34.5	-23.3489	-1.26461
Be 313.042	-0.1949	ppb	0.0144	7.4	-170.966	-0.19492
Ca 370.602	-15.33	ppb	1.196	7.8	-93.69	-15.32963
Cd 226.502	-0.8656	ppb	0.0679	7.9	14.5279	-0.86559
Co 228.615	-0.8609	ppb	0.4199	48.8	-11.6569	-0.86089
Cr 267.716	-1.1567	ppb	0.3601	31.1	17.0969	-1.15667
Cu 324.754	-1.3158	ppb	0.1098	8.3	95.0933	-1.31576
Fe 271.441	-2.7108	ppb	7.7250	285.0	-9.2038	-2.71080
K 766.491	-15.0139	ppb	0.1977	1.3	2169.62	-15.01393
Mg 279.078	-7.4380	ppb	3.6562	49.2	20.9109	-7.43802
Mn 257.610	-1.7072	ppb	0.0562	3.3	14.4045	-1.70724
Mo 202.032	-0.9419	ppb	0.5969	63.4	1.4733	-0.94192
Na 330.237	17.9421	ppb	68.5449	382.0	8.2764	17.94207
Ni 231.604	0.2536	ppb	0.6792	267.8	3.2385	0.25361
Pb 220.353	-0.3334	ppb	1.9175	575.1	1.3221	-0.33343
Sb 206.834	-0.4376	ppb	3.3840	773.4	2.2606	-0.43755
Se 196.026	-6.9921	ppb	6.3672	91.1	1.6970	-6.99210
Sn 189.925	-3.7941	ppb	1.9137	50.4	-1.1741	-3.79410
Sr 216.596	-1.8398	ppb	0.6602	35.9	-7.6851	-1.83985
Ti 334.941	-0.2004	ppb	0.0126	6.3	-51.5983	-0.20040

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4.4660	ppb	1.7919	40.1	0.0936	4.46605
V 292.401	-0.3414	ppb	0.1835	53.8	12.3731	-0.34143
Zn 206.200	-1.9895	ppb	0.7087	35.6	-0.5643	-1.98953

mb 680-272935/1-a (Samp) **4/16/2013, 2:11:32 PM** **Rack 2, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6866	ppb	0.3554	51.8	-32.8897
Al 308.215	15.8604	ppb	0.2326	1.5	105.493
As 188.980	-4.0444	ppb	4.5561	112.7	-3.4547
B 249.678	-0.8151	ppb	0.2912	35.7	65.9610
Ba 389.178	-1.6993	ppb	0.3869	22.8	-30.7628
Be 313.042	-0.1567	ppb	0.0074	4.7	-110.650
Ca 370.602	35.37	ppb	4.201	11.9	104.0
Cd 226.502	-0.7720	ppb	0.0990	12.8	16.7995
Co 228.615	-1.1341	ppb	0.7303	64.4	-13.9265
Cr 267.716	-1.3260	ppb	0.2278	17.2	14.2597
Cu 324.754	-1.1949	ppb	0.2554	21.4	99.3446
Fe 271.441	20.7025	ppb	3.6402	17.6	9.1353
K 766.491	-2.6785	ppb	0.1020	3.8	3675.62
Mg 279.078	44.9112	ppb	1.3473	3.0	89.6294
Mn 257.610	-1.1386	ppb	0.0427	3.8	70.8411
Mo 202.032	-0.2126	ppb	0.3684	173.2	4.1960
Na 330.237	98.6163	ppb	30.8589	31.3	13.5474
Ni 231.604	-0.2753	ppb	0.8238	299.2	1.5946
Pb 220.353	0.7957	ppb	5.7426	721.8	2.3244
Sb 206.834	1.6325	ppb	3.2796	200.9	3.6537
Se 196.026	4.8650	ppb	6.7502	138.7	4.7918
Sn 189.925	0.6827	ppb	3.2221	471.9	1.7434
Sr 216.596	-1.5826	ppb	0.1678	10.6	-5.9688
Ti 334.941	-0.0597	ppb	0.0790	132.4	-20.9888
Tl 190.794	-0.1521	ppb	2.4295	1597.4	-2.1759
V 292.401	-0.3707	ppb	0.2917	78.7	11.4192
Zn 206.200	1.7918	ppb	0.4526	25.3	12.2508

lcs 680-272935/2-a (Samp) **4/16/2013, 2:16:59 PM** **Rack 2, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.6661	ppb	1.2220	5.0	764.169
Al 308.215	10062.4	ppb	271.391	2.7	31349.8
As 188.980	201.857	ppb	2.0835	1.0	80.3848
B 249.678	387.352	ppb	11.2411	2.9	3461.41
Ba 389.178	209.516	ppb	6.1524	2.9	3667.69
Be 313.042	105.233	ppb	2.8712	2.7	166641
Ca 370.602	10122	ppb	246.0	2.4	38412
Cd 226.502	105.366	ppb	3.2188	3.1	2558.26
Co 228.615	106.348	ppb	2.3905	2.2	875.901
Cr 267.716	211.350	ppb	5.2176	2.5	3558.79
Cu 324.754	211.078	ppb	5.2709	2.5	7763.65
Fe 271.441	10043.7	ppb	254.761	2.5	7867.54
K 766.491	9995.36	ppb	213.111	2.1	1224112

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	9822.60	ppb	270.907	2.8	12899.1
Mn 257.610	1085.68	ppb	29.5202	2.7	107665
Mo 202.032	200.391	ppb	5.6871	2.8	752.239
Na 330.237	9998.17	ppb	287.255	2.9	655.179
Ni 231.604	207.297	ppb	6.4551	3.1	647.894
Pb 220.353	98.1094	ppb	1.0040	1.0	87.2133
Sb 206.834	94.3030	ppb	6.1822	6.6	67.9109
Se 196.026	202.068	ppb	1.9765	1.0	56.4515
Sn 189.925	397.372	ppb	11.5960	2.9	260.285
Sr 216.596	201.614	ppb	5.0256	2.5	1322.60
Ti 334.941	201.215	ppb	5.5047	2.7	43707.2
Tl 190.794	79.4235	ppb	8.2191	10.3	36.5698
V 292.401	201.221	ppb	5.0695	2.5	5899.03
Zn 206.200	220.820	ppb	6.1543	2.8	754.129

lcs 680-272935/3-a (Samp) **4/16/2013, 2:22:25 PM** **Rack 2, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	204.000	ppb	10.4695	5.1	6392.39
Al 308.215	2009.23	ppb	32.2166	1.6	6315.13
As 188.980	204.051	ppb	6.7205	3.3	80.9081
B 249.678	385.843	ppb	5.8208	1.5	3425.32
Ba 389.178	194.781	ppb	3.0204	1.6	3444.22
Be 313.042	207.058	ppb	3.0704	1.5	327648
Ca 370.602	20243	ppb	241.4	1.2	76707
Cd 226.502	206.230	ppb	3.3390	1.6	4974.77
Co 228.615	208.511	ppb	3.0573	1.5	1722.12
Cr 267.716	208.138	ppb	3.3061	1.6	3500.37
Cu 324.754	206.777	ppb	5.9723	2.9	7586.28
Fe 271.441	20739.1	ppb	308.647	1.5	16250.5
K 766.491	19851.8	ppb	306.990	1.5	2427324
Mg 279.078	19558.2	ppb	271.177	1.4	25650.8
Mn 257.610	2143.50	ppb	33.6735	1.6	212389
Mo 202.032	198.481	ppb	2.6927	1.4	743.499
Na 330.237	17980.2	ppb	262.770	1.5	1172.19
Ni 231.604	207.216	ppb	5.0499	2.4	648.616
Pb 220.353	199.001	ppb	1.9224	1.0	177.910
Sb 206.834	184.078	ppb	4.2786	2.3	130.295
Se 196.026	196.039	ppb	1.2598	0.6	54.9981
Sn 189.925	196.131	ppb	1.9515	1.0	129.098
Sr 216.596	209.177	ppb	3.3184	1.6	1378.06
Ti 334.941	199.580	ppb	3.0339	1.5	43363.1
Tl 190.794	39.2144	ppb	4.5574	11.6	16.5237
V 292.401	199.223	ppb	3.0729	1.5	5840.75
Zn 206.200	215.757	ppb	3.5835	1.7	737.643

640-43136-b-1-a (Samp) **4/16/2013, 2:27:51 PM** **Rack 2, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9307	ppb	0.7274	78.2	-81.1459
Al 308.215	224090	ppb	58.4395	0.0	696640

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	27.6715	ppb	3.1807	11.5	8.5338
B 249.678	10.4012	ppb	0.7952	7.6	-307.769
Ba 389.178	271.891	ppb	0.4331	0.2	4964.66
Be 313.042	1.9463	ppb	0.0057	0.3	3574.19
Ca 370.602	4536	ppb	2.238	0.0	-20431
Cd 226.502	-1.5683	ppb	0.3397	21.7	461.268
Co 228.615	2.1900	ppb	0.2982	13.6	33.0282
Cr 267.716	280.097	ppb	0.9155	0.3	4596.79
Cu 324.754	12.0452	ppb	0.3366	2.8	640.993
Fe 271.441	202545	ppb	98.4319	0.0	158661
K 766.491	539.603	ppb	0.1374	0.0	69798.4
Mg 279.078	1059.79	ppb	4.0100	0.4	612.122
Mn 257.610	194.083	ppb	0.1665	0.1	19640.2
Mo 202.032	12.0182	ppb	0.3974	3.3	23.7789
Na 330.237	387.367	ppb	26.6217	6.9	-70.1239
Ni 231.604	27.6473	ppb	1.2271	4.4	101.480
Pb 220.353	73.9009	ppb	5.8324	7.9	39.7938
Sb 206.834	0.8375	ppb	4.3303	517.1	8.6976
Se 196.026	21.6869	ppb	11.6752	53.8	6.0054
Sn 189.925	18.6529	ppb	1.8315	9.8	13.7641
Sr 216.596	154.940	ppb	0.8752	0.6	1128.25
Ti 334.941	1111.50	ppb	0.7617	0.1	241375
Tl 190.794	1.7858	ppb	8.8515	495.7	-11.2921
V 292.401	555.929	ppb	0.4835	0.1	16457.9
Zn 206.200	107.552	ppb	3.3174	3.1	374.856

640-43136-b-2-a (Samp) **4/16/2013, 2:33:18 PM** **Rack 2, Tube 7**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6937	ppb	0.5231	30.9	-133.543
Al 308.215	86686.4	ppb	846.420	1.0	269517
As 188.980	10.2719	ppb	2.7002	26.3	0.9761
B 249.678	14.6546	ppb	1.5819	10.8	-598.831
Ba 389.178	262.329	ppb	3.4677	1.3	4967.52
Be 313.042	2.1082	ppb	0.0342	1.6	3915.36
Ca 370.602	269.9	ppb	161.8	60.0	-64215
Cd 226.502	-3.4771	ppb	0.3022	8.7	717.983
Co 228.615	-2.4448	ppb	0.2354	9.6	1.2790
Cr 267.716	449.414	ppb	5.5840	1.2	7343.05
Cu 324.754	4.2291	ppb	0.1984	4.7	428.075
Fe 271.441	343005	ppb	3667.20	1.1	268690
K 766.491	283.124	ppb	2.8652	1.0	38488.1
Mg 279.078	232.664	ppb	4.4689	1.9	-1038.64
Mn 257.610	55.5223	ppb	0.7403	1.3	6091.89
Mo 202.032	8.7148	ppb	0.4024	4.6	-10.4871
Na 330.237	504.763	ppb	32.9119	6.5	-130.350
Ni 231.604	6.2012	ppb	0.7416	12.0	43.7139
Pb 220.353	35.6089	ppb	5.9647	16.8	20.7304
Sb 206.834	-1.2074	ppb	4.5700	378.5	12.0141
Se 196.026	28.0576	ppb	10.4066	37.1	4.3632
Sn 189.925	20.7351	ppb	4.3294	20.9	15.2392
Sr 216.596	133.555	ppb	1.7466	1.3	1057.23
Ti 334.941	1396.96	ppb	14.6450	1.0	303363

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-5.3839	ppb	7.5534	140.3	-19.0031
V 292.401	714.250	ppb	6.6391	0.9	21154.2
Zn 206.200	132.087	ppb	8.0136	6.1	460.995

640-43136-b-3-a (Samp) **4/16/2013, 2:38:45 PM** **Rack 2, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3291	ppb	0.8123	24.4	-146.413
Al 308.215	195644	ppb	225.104	0.1	608216
As 188.980	21.8362	ppb	7.7566	35.5	6.3751
B 249.678	7.0296	ppb	1.3762	19.6	-221.892
Ba 389.178	313.386	ppb	0.8462	0.3	5625.38
Be 313.042	2.3452	ppb	0.0113	0.5	4115.36
Ca 370.602	3544	ppb	9.224	0.3	-14967
Cd 226.502	-1.8437	ppb	0.5923	32.1	343.196
Co 228.615	4.7103	ppb	0.5460	11.6	50.5771
Cr 267.716	189.407	ppb	0.6863	0.4	3111.37
Cu 324.754	13.7193	ppb	0.4679	3.4	685.787
Fe 271.441	152758	ppb	509.820	0.3	119659
K 766.491	844.200	ppb	0.7734	0.1	106972
Mg 279.078	1564.06	ppb	10.9485	0.7	1473.21
Mn 257.610	201.423	ppb	0.4907	0.2	20308.5
Mo 202.032	9.9339	ppb	1.3579	13.7	22.7528
Na 330.237	208.078	ppb	80.3295	38.6	-57.2990
Ni 231.604	37.2803	ppb	1.3959	3.7	128.268
Pb 220.353	78.8237	ppb	5.8362	7.4	47.9893
Sb 206.834	6.8067	ppb	5.5767	81.9	11.0426
Se 196.026	16.1415	ppb	11.8979	73.7	5.4332
Sn 189.925	17.0185	ppb	4.0854	24.0	12.6481
Sr 216.596	29.2927	ppb	0.5614	1.9	276.563
Ti 334.941	936.244	ppb	2.5667	0.3	203311
Tl 190.794	1.6083	ppb	3.9300	244.4	-9.1425
V 292.401	414.501	ppb	0.3931	0.1	12278.5
Zn 206.200	187.908	ppb	12.6543	6.7	646.200

640-43136-b-4-a (Samp) **4/16/2013, 2:44:12 PM** **Rack 2, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5901	ppb	0.2916	18.3	-85.2096
Al 308.215	136636	ppb	92.2270	0.1	424791
As 188.980	11.0716	ppb	1.0794	9.7	2.1641
B 249.678	4.7248	ppb	1.1522	24.4	-159.513
Ba 389.178	94.5333	ppb	1.3799	1.5	1783.68
Be 313.042	0.9625	ppb	0.0029	0.3	1869.91
Ca 370.602	2326	ppb	8.382	0.4	-13082
Cd 226.502	-1.4092	ppb	0.2443	17.3	271.074
Co 228.615	1.8856	ppb	0.8323	44.1	24.3175
Cr 267.716	148.981	ppb	0.2129	0.1	2456.54
Cu 324.754	9.1316	ppb	0.6777	7.4	509.368
Fe 271.441	117396	ppb	101.180	0.1	91957.6
K 766.491	587.529	ppb	0.6368	0.1	75696.5

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	921.098	ppb	9.4785	1.0	770.250
Mn 257.610	112.780	ppb	0.3919	0.3	11491.8
Mo 202.032	8.1356	ppb	1.5569	19.1	20.3117
Na 330.237	141.457	ppb	6.0245	4.3	-44.0007
Ni 231.604	21.4530	ppb	0.8680	4.0	76.7482
Pb 220.353	48.5168	ppb	1.9104	3.9	28.0736
Sb 206.834	-2.0559	ppb	3.0478	148.2	4.0219
Se 196.026	17.5363	ppb	12.4225	70.8	6.2732
Sn 189.925	13.8573	ppb	0.4192	3.0	10.5468
Sr 216.596	24.7666	ppb	0.2014	0.8	228.388
Ti 334.941	785.322	ppb	0.2008	0.0	170533
Tl 190.794	0.1269	ppb	0.7925	624.4	-7.8486
V 292.401	325.610	ppb	0.3912	0.1	9650.39
Zn 206.200	176.617	ppb	3.1690	1.8	607.144

640-43136-b-5-a (Samp) **4/16/2013, 2:57:19 PM** **Rack 2, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6187	ppb	1.5913	257.2	-97.6734
Al 308.215	250287	ppb	482.260	0.2	778078
As 188.980	42.1474	ppb	7.2091	17.1	13.9035
B 249.678	19.4786	ppb	0.8405	4.3	-545.404
Ba 389.178	157.612	ppb	0.4728	0.3	3147.54
Be 313.042	1.9197	ppb	0.0215	1.1	3766.74
Ca 370.602	3792	ppb	38.47	1.0	-49290
Cd 226.502	-2.7803	ppb	0.2465	8.9	735.244
Co 228.615	0.8980	ppb	0.4597	51.2	28.0899
Cr 267.716	393.125	ppb	0.4843	0.1	6405.09
Cu 324.754	13.5399	ppb	0.5149	3.8	750.064
Fe 271.441	338290	ppb	674.706	0.2	264999
K 766.491	558.547	ppb	1.5781	0.3	72136.8
Mg 279.078	1263.35	ppb	0.5283	0.0	334.853
Mn 257.610	139.079	ppb	0.2904	0.2	14357.9
Mo 202.032	23.6848	ppb	0.2034	0.9	48.0143
Na 330.237	452.108	ppb	49.2599	10.9	-131.348
Ni 231.604	25.9882	ppb	0.3066	1.2	105.031
Pb 220.353	99.1196	ppb	1.5153	1.5	58.3310
Sb 206.834	3.0380	ppb	2.9040	95.6	13.9830
Se 196.026	49.4344	ppb	6.7787	13.7	10.6267
Sn 189.925	25.6840	ppb	3.5483	13.8	18.4421
Sr 216.596	82.3788	ppb	1.7878	2.2	720.693
Ti 334.941	1368.37	ppb	2.6868	0.2	297163
Tl 190.794	-5.2513	ppb	2.6808	51.1	-20.3939
V 292.401	936.347	ppb	2.3484	0.3	27705.0
Zn 206.200	149.735	ppb	1.8573	1.2	520.940

640-43136-b-6-a (Samp) **4/16/2013, 3:02:47 PM** **Rack 2, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3327	ppb	1.0899	327.6	-89.6149
Al 308.215	208949	ppb	185.950	0.1	649573

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	24.7306	ppb	4.3191	17.5	6.8147
B 249.678	15.2240	ppb	0.7227	4.7	-576.008
Ba 389.178	970.097	ppb	1.6078	0.2	17242.5
Be 313.042	4.3334	ppb	0.0078	0.2	7495.10
Ca 370.602	3446	ppb	7.375	0.2	-50078
Cd 226.502	-2.8722	ppb	0.3127	10.9	723.819
Co 228.615	0.7299	ppb	0.7152	98.0	31.8416
Cr 267.716	437.745	ppb	0.7278	0.2	7152.66
Cu 324.754	30.3684	ppb	0.4284	1.4	1359.62
Fe 271.441	335420	ppb	734.841	0.2	262750
K 766.491	852.178	ppb	1.3678	0.2	107773
Mg 279.078	1914.29	ppb	7.0965	0.4	1202.05
Mn 257.610	157.547	ppb	0.3633	0.2	16187.2
Mo 202.032	14.9035	ppb	0.6880	4.6	15.2883
Na 330.237	624.534	ppb	76.7292	12.3	-120.920
Ni 231.604	25.3796	ppb	2.9333	11.6	102.968
Pb 220.353	63.5098	ppb	5.8100	9.1	31.4184
Sb 206.834	6.1449	ppb	2.4529	39.9	16.1393
Se 196.026	27.4720	ppb	6.1280	22.3	4.8215
Sn 189.925	22.9836	ppb	1.0021	4.4	16.7650
Sr 216.596	778.374	ppb	1.2045	0.2	5292.02
Ti 334.941	1683.74	ppb	3.5292	0.2	365639
Tl 190.794	-1.6321	ppb	3.7572	230.2	-17.9503
V 292.401	797.824	ppb	0.7709	0.1	23619.4
Zn 206.200	175.559	ppb	1.7234	1.0	608.198

680-89242-a-1-b (Samp) **4/16/2013, 3:08:15 PM** **Rack 2, Tube 12**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5214	ppb	0.9206	60.5	-62.8672
Al 308.215	14321.8	ppb	18.9178	0.1	44575.5
As 188.980	500.782	ppb	7.7490	1.5	201.086
B 249.678	8.6469	ppb	1.3761	15.9	106.572
Ba 389.178	349.142	ppb	0.5225	0.1	6086.79
Be 313.042	0.9545	ppb	0.0096	1.0	1690.84
Ca 370.602	53537	ppb	30.18	0.1	209735
Cd 226.502	0.4086	ppb	0.3929	96.1	86.4452
Co 228.615	3.8264	ppb	0.1088	2.8	39.2600
Cr 267.716	24.8154	ppb	0.5202	2.1	441.442
Cu 324.754	40.7670	ppb	0.6071	1.5	1475.75
Fe 271.441	18379.3	ppb	34.6775	0.2	14391.0
K 766.491	1995.04	ppb	0.2452	0.0	247453
Mg 279.078	3955.10	ppb	9.3674	0.2	5154.54
Mn 257.610	571.479	ppb	0.3168	0.1	56779.6
Mo 202.032	0.2942	ppb	0.5393	183.3	3.6421
Na 330.237	301.530	ppb	95.8618	31.8	13.5283
Ni 231.604	7.8348	ppb	1.1230	14.3	28.1481
Pb 220.353	328.395	ppb	0.4760	0.1	292.197
Sb 206.834	3.7202	ppb	4.4864	120.6	4.9148
Se 196.026	-1.7022	ppb	10.3642	608.9	3.4705
Sn 189.925	20.6791	ppb	1.9086	9.2	14.7756
Sr 216.596	96.1886	ppb	0.6295	0.7	648.188
Ti 334.941	807.184	ppb	0.3585	0.0	175320

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	5.4550	ppb	2.0862	38.2	-0.3076
V 292.401	46.4108	ppb	0.0177	0.0	1400.32
Zn 206.200	654.787	ppb	1.9585	0.3	2225.31

Cont Calib Verif (CCV) **4/16/2013, 3:13:42 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	525.973	ppb	47.6993	9.1	16487.4	105.19464
Al 308.215	5154.73	ppb	367.765	7.1	16369.1	103.09453
As 188.980	500.884	ppb	32.7574	6.5	203.697	100.17686
B 249.678	521.260	ppb	35.9465	6.9	4657.86	20.85038Q
Ba 389.178	5315.30	ppb	356.425	6.7	92271.6	106.30594
Be 313.042	530.145	ppb	36.7389	6.9	841499	106.02897
Ca 370.602	5380	ppb	347.0	6.5	20673	107.59964
Cd 226.502	529.751	ppb	38.6821	7.3	12617.6	105.95018
Co 228.615	534.682	ppb	34.4428	6.4	4427.02	106.93642
Cr 267.716	5325.32	ppb	372.845	7.0	88894.7	106.50644
Cu 324.754	5275.57	ppb	337.267	6.4	191132	105.51145
Fe 271.441	5235.80	ppb	392.543	7.5	4160.67	104.71603
K 766.491	10149.2	ppb	480.776	4.7	1241585	101.49204
Mg 279.078	5069.29	ppb	339.576	6.7	6661.76	101.38571
Mn 257.610	5433.06	ppb	352.631	6.5	537883	108.66121
Mo 202.032	508.068	ppb	37.3653	7.4	1892.84	101.61357
Na 330.237	7679.87	ppb	536.796	7.0	507.647	102.39831
Ni 231.604	2676.79	ppb	190.408	7.1	8327.50	107.07153
Pb 220.353	515.791	ppb	33.6876	6.5	454.507	103.15812
Sb 206.834	969.448	ppb	63.1492	6.5	698.189	38.77793Q
Se 196.026	5079.15	ppb	337.978	6.7	1329.96	101.58291
Sn 189.925	5179.27	ppb	470.683	9.1	3376.78	103.58546
Sr 216.596	2600.11	ppb	174.932	6.7	16971.0	104.00446
Ti 334.941	515.381	ppb	36.3031	7.0	112237	103.07626
Tl 190.794	5165.81	ppb	322.581	6.2	2540.39	103.31620
V 292.401	5085.34	ppb	353.592	7.0	149625	101.70679
Zn 206.200	2747.88	ppb	186.682	6.8	9294.76	109.91508

Cont Calib Blank (CCB) **4/16/2013, 3:19:09 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	-0.8515	ppb	1.0484	123.1	-38.0635	-0.85151
Al 308.215	4.1743	ppb	0.8464	20.3	69.1726	4.17428
As 188.980	2.3115	ppb	3.3010	142.8	-0.8573	2.31151
B 249.678	-1.4602	ppb	0.7156	49.0	60.2730	-1.46018
Ba 389.178	-0.5750	ppb	1.4728	256.1	-11.3421	-0.57501
Be 313.042	-0.1858	ppb	0.0140	7.5	-156.748	-0.18584
Ca 370.602	17.96	ppb	2.276	12.7	33.96	17.96472
Cd 226.502	-0.8721	ppb	0.1685	19.3	14.4307	-0.87214
Co 228.615	-0.5857	ppb	0.2870	49.0	-9.3882	-0.58573
Cr 267.716	-1.0959	ppb	0.3431	31.3	18.0987	-1.09588
Cu 324.754	0.0270	ppb	0.5429	2010.9	143.678	0.02700
Fe 271.441	23.2931	ppb	2.0129	8.6	11.1784	23.29311
K 766.491	-11.7585	ppb	0.2949	2.5	2566.93	-11.75849

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	3.0915	ppb	2.7744	89.7	34.6456	3.09148
Mn 257.610	-1.1969	ppb	0.0830	6.9	64.9527	-1.19689
Mo 202.032	-0.3027	ppb	0.2670	88.2	3.8591	-0.30266
Na 330.237	13.2625	ppb	85.1910	642.3	8.1795	13.26246
Ni 231.604	3.7773	ppb	0.9169	24.3	14.1905	3.77733
Pb 220.353	2.2615	ppb	3.1603	139.7	3.6306	2.26154
Sb 206.834	0.5871	ppb	2.5666	437.2	2.9520	0.58711
Se 196.026	0.1769	ppb	9.1503	5174.0	3.5678	0.17685
Sn 189.925	-3.7239	ppb	4.0933	109.9	-1.1284	-3.72392
Sr 216.596	-1.0879	ppb	0.3570	32.8	-2.8902	-1.08794
Ti 334.941	0.0798	ppb	0.0404	50.6	9.2582	0.07982
Tl 190.794	-2.4836	ppb	1.3984	56.3	-3.3206	-2.48362
V 292.401	-0.4518	ppb	0.2939	65.1	8.9345	-0.45176
Zn 206.200	134.794	ppb	5.0996	3.8	462.898	134.79370Z

680-89242-a-5-b (Samp) **4/16/2013, 3:24:35 PM** **Rack 2, Tube 15**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0487	ppb	0.2258	463.4	-51.3459
Al 308.215	35857.7	ppb	49.7825	0.1	111504
As 188.980	171.294	ppb	9.5482	5.6	66.6491
B 249.678	29.4350	ppb	0.3658	1.2	-125.523
Ba 389.178	1189.36	ppb	0.9594	0.1	20878.4
Be 313.042	3.7154	ppb	0.0089	0.2	6109.97
Ca 370.602	22017	ppb	14.84	0.1	50430
Cd 226.502	-0.6159	ppb	0.2559	41.5	458.029
Co 228.615	47.7289	ppb	0.7137	1.5	424.799
Cr 267.716	157.475	ppb	0.2886	0.2	2557.93
Cu 324.754	979.368	ppb	1.6132	0.2	35626.9
Fe 271.441	196660	ppb	182.101	0.1	154049
K 766.491	3021.73	ppb	1.7145	0.1	372564
Mg 279.078	2654.71	ppb	7.2667	0.3	2729.49
Mn 257.610	1449.97	ppb	1.2334	0.1	143935
Mo 202.032	16.4175	ppb	0.3960	2.4	39.1469
Na 330.237	545.065	ppb	132.413	24.3	-63.2209
Ni 231.604	87.4802	ppb	1.4377	1.6	287.068
Pb 220.353	2199.75	ppb	3.2107	0.1	1954.62
Sb 206.834	45.0509	ppb	6.1789	13.7	36.0356
Se 196.026	33.1361	ppb	15.5423	46.9	8.9195
Sn 189.925	225.482	ppb	2.5508	1.1	148.745
Sr 216.596	601.982	ppb	1.5294	0.3	4056.70
Ti 334.941	2110.69	ppb	2.3403	0.1	458332
Tl 190.794	1.3928	ppb	2.2517	161.7	-8.9680
V 292.401	150.150	ppb	0.2885	0.2	4497.30
Zn 206.200	703.834	ppb	2.6394	0.4	2395.64

680-89275-b-2-d (Samp) **4/16/2013, 3:30:01 PM** **Rack 2, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8214	ppb	0.1983	24.1	-52.4992
Al 308.215	137852	ppb	107.744	0.1	428533

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	326.233	ppb	8.2619	2.5	125.315
B 249.678	131.411	ppb	0.4325	0.3	-452.406
Ba 389.178	4396.63	ppb	2.1822	0.0	77192.3
Be 313.042	21.1459	ppb	0.0083	0.0	34201.4
Ca 370.602	98468	ppb	25.91	0.0	255098
Cd 226.502	17.0275	ppb	0.1761	1.0	2047.47
Co 228.615	167.926	ppb	1.8140	1.1	1432.53
Cr 267.716	749.256	ppb	0.2418	0.0	12157.6
Cu 324.754	753.546	ppb	3.0466	0.4	27462.7
Fe 271.441	722795	ppb	794.367	0.1	566207
K 766.491	12101.1	ppb	2.7389	0.0	1480076
Mg 279.078	16245.0	ppb	6.8829	0.0	18454.1
Mn 257.610	17556.8	ppb	29.7358	0.2	1738566
Mo 202.032	28.4490	ppb	1.2040	4.2	10.5866
Na 330.237	2253.20	ppb	110.963	4.9	-187.452
Ni 231.604	172.159	ppb	2.8090	1.6	584.457
Pb 220.353	3277.92	ppb	4.3796	0.1	2898.94
Sb 206.834	18.9330	ppb	1.6053	8.5	37.5676
Se 196.026	54.9533	ppb	20.2320	36.8	8.3642
Sn 189.925	277.460	ppb	5.2409	1.9	182.442
Sr 216.596	1056.37	ppb	0.9248	0.1	7311.21
Ti 334.941	2215.40	ppb	1.7673	0.1	481215
Tl 190.794	-10.1051	ppb	11.3381	112.2	-38.3691
V 292.401	978.951	ppb	0.5209	0.1	28993.0
Zn 206.200	7469.88	ppb	2.8161	0.0	25333.0

680-89275-b-2-dSD^5 (Samp) **4/16/2013, 3:35:28 PM** **Rack 2, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3963	ppb	0.5106	128.9	-12.3091
Al 308.215	27460.9	ppb	377.548	1.4	85410.5
As 188.980	68.4045	ppb	0.7084	1.0	24.8436
B 249.678	25.7176	ppb	0.8551	3.3	-56.4254
Ba 389.178	912.417	ppb	13.2636	1.5	16022.0
Be 313.042	4.2869	ppb	0.0674	1.6	7043.69
Ca 370.602	20714	ppb	199.9	1.0	53467
Cd 226.502	2.0953	ppb	0.1242	5.9	424.997
Co 228.615	34.7733	ppb	0.7621	2.2	292.632
Cr 267.716	154.139	ppb	2.2402	1.5	2527.95
Cu 324.754	148.381	ppb	1.2207	0.8	5523.44
Fe 271.441	152907	ppb	2267.64	1.5	119775
K 766.491	2196.91	ppb	25.4246	1.2	271948
Mg 279.078	3403.66	ppb	45.8864	1.3	3884.41
Mn 257.610	3852.03	ppb	56.6890	1.5	381585
Mo 202.032	6.0643	ppb	1.8563	30.6	6.3338
Na 330.237	565.289	ppb	244.432	43.2	-27.7566
Ni 231.604	38.4384	ppb	0.6325	1.6	131.848
Pb 220.353	698.418	ppb	7.8795	1.1	619.175
Sb 206.834	8.6990	ppb	1.6064	18.5	13.1987
Se 196.026	12.6321	ppb	4.0788	32.3	4.8266
Sn 189.925	56.3892	ppb	1.8545	3.3	38.1053
Sr 216.596	220.662	ppb	4.8168	2.2	1531.57
Ti 334.941	426.428	ppb	5.0162	1.2	92622.4

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.2035	ppb	8.4974	706.1	-8.1510
V 292.401	199.359	ppb	2.6632	1.3	5922.14
Zn 206.200	1712.69	ppb	24.2114	1.4	5812.81

680-89275-b-2-dPDS (Samp) **4/16/2013, 3:40:54 PM** **Rack 2, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.0790	ppb	0.7691	1.5	1492.82
Al 308.215	133988	ppb	497.973	0.4	416560
As 188.980	2274.14	ppb	15.6099	0.7	921.512
B 249.678	1047.63	ppb	4.7857	0.5	7655.55
Ba 389.178	6167.86	ppb	30.7934	0.5	107920
Be 313.042	68.6601	ppb	0.3518	0.5	109547
Ca 370.602	100099	ppb	303.0	0.3	264411
Cd 226.502	62.4490	ppb	0.9741	1.6	3093.24
Co 228.615	650.459	ppb	1.8650	0.3	5431.15
Cr 267.716	915.859	ppb	6.0914	0.7	14944.0
Cu 324.754	982.430	ppb	7.2505	0.7	35736.7
Fe 271.441	708018	ppb	3424.22	0.5	554659
K 766.491	17139.4	ppb	70.1953	0.4	2094668
Mg 279.078	20239.3	ppb	55.0687	0.3	23762.2
Mn 257.610	17356.7	ppb	124.211	0.7	1718771
Mo 202.032	507.056	ppb	1.4923	0.3	1800.33
Na 330.237	7245.13	ppb	70.4923	1.0	141.382
Ni 231.604	637.034	ppb	3.8853	0.6	2029.62
Pb 220.353	3616.51	ppb	25.4850	0.7	3200.00
Sb 206.834	470.947	ppb	2.5937	0.6	341.794
Se 196.026	1972.52	ppb	5.2925	0.3	509.053
Sn 189.925	1198.82	ppb	9.0232	0.8	783.062
Sr 216.596	1483.63	ppb	8.1482	0.5	10083.4
Ti 334.941	2886.22	ppb	13.7797	0.5	626884
Tl 190.794	1839.11	ppb	13.3868	0.7	871.480
V 292.401	1408.10	ppb	5.4585	0.4	41532.1
Zn 206.200	7740.27	ppb	36.2684	0.5	26248.2

680-89275-b-2-e ms (Samp) **4/16/2013, 3:46:21 PM** **Rack 2, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.8634	ppb	0.4652	5.2	190.336
Al 308.215	153749	ppb	106.199	0.1	477960
As 188.980	432.053	ppb	8.8969	2.1	168.664
B 249.678	264.160	ppb	2.5898	1.0	582.248
Ba 389.178	4405.89	ppb	1.9126	0.0	77432.8
Be 313.042	70.8287	ppb	0.0138	0.0	112914
Ca 370.602	88161	ppb	55.58	0.1	203067
Cd 226.502	63.8225	ppb	0.1779	0.3	3286.68
Co 228.615	220.403	ppb	0.8562	0.4	1866.39
Cr 267.716	831.910	ppb	0.4555	0.1	13503.5
Cu 324.754	771.469	ppb	1.3612	0.2	28163.1
Fe 271.441	780162	ppb	440.521	0.1	611151
K 766.491	17995.1	ppb	14.3615	0.1	2199570

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	20693.0	ppb	14.1276	0.1	24068.8
Mn 257.610	17796.4	ppb	7.7426	0.0	1762357
Mo 202.032	118.779	ppb	1.2265	1.0	339.810
Na 330.237	7298.31	ppb	90.3490	1.2	114.919
Ni 231.604	254.852	ppb	0.4145	0.2	845.383
Pb 220.353	2991.84	ppb	1.9035	0.1	2641.82
Sb 206.834	42.7084	ppb	14.6140	34.2	55.6948
Se 196.026	155.808	ppb	10.6341	6.8	33.5526
Sn 189.925	322.613	ppb	4.1167	1.3	211.919
Sr 216.596	1031.82	ppb	2.7840	0.3	7173.87
Ti 334.941	2201.19	ppb	1.5681	0.1	478125
Tl 190.794	23.4094	ppb	13.4380	57.4	-24.2303
V 292.401	1245.73	ppb	0.2810	0.0	36849.7
Zn 206.200	7077.22	ppb	5.1379	0.1	24003.9

680-89275-b-2-f msd (Samp) **4/16/2013, 3:51:47 PM** **Rack 2, Tube 20**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.5831b	ppb	0.3771	5.7	202.646
Al 308.215	153988b	ppb	67.7345	0.0	478695
As 188.980	483.539b	ppb	10.4054	2.2	189.435
B 249.678	250.872b	ppb	0.7472	0.3	6.1610
Ba 389.178	6791.89b	ppb	10.6749	0.2	119069
Be 313.042	74.6630b	ppb	0.0026	0.0	119145
Ca 370.602	70691b	ppb	72.89	0.1	96662
Cd 226.502	64.8763b	ppb	0.4827	0.7	3749.17
Co 228.615	344.878b	ppb	0.8252	0.2	2901.60
Cr 267.716	1041.00b	ppb	2.1653	0.2	16916.1
Cu 324.754	648.350b	ppb	2.6349	0.4	23835.1
Fe 271.441	977599xb	ppb	2338.26	0.2	765820
K 766.491	14624.5b	ppb	4.1002	0.0	1787501
Mg 279.078	19072.5b	ppb	20.5621	0.1	21092.5
Mn 257.610	45362.0xb	ppb	686.572	1.5	4490572
Mo 202.032	140.007b	ppb	3.1408	2.2	390.975
Na 330.237	7368.76b	ppb	141.677	1.9	27.8337
Ni 231.604	267.233b	ppb	0.0682	0.0	896.354
Pb 220.353	2544.96b	ppb	12.3031	0.5	2242.53
Sb 206.834	47.4279b	ppb	12.8924	27.2	65.7521
Se 196.026	151.837b	ppb	21.9248	14.4	33.3645
Sn 189.925	305.607b	ppb	5.2304	1.7	200.940
Sr 216.596	864.898b	ppb	0.5326	0.1	6175.65
Ti 334.941	2189.36b	ppb	1.5354	0.1	475560
Tl 190.794	33.3709b	ppb	12.6619	37.9	-27.3082
V 292.401	1544.73b	ppb	1.7589	0.1	45638.7
Zn 206.200	7568.06b	ppb	10.5203	0.1	25671.3

680-89275-b-5-b (Samp) **4/16/2013, 3:57:15 PM** **Rack 2, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.1534	ppb	0.5079	16.1	74.2341
Al 308.215	96788.7	ppb	78.3834	0.1	300908

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	204.174	ppb	2.3532	1.2	75.9892
B 249.678	104.355	ppb	1.3737	1.3	393.896
Ba 389.178	4332.38	ppb	5.3243	0.1	75512.5
Be 313.042	10.1970	ppb	0.0197	0.2	16483.2
Ca 370.602	142785	ppb	298.9	0.2	519901
Cd 226.502	30.5293	ppb	0.3392	1.1	1336.00
Co 228.615	130.102	ppb	0.5424	0.4	1105.11
Cr 267.716	386.995	ppb	1.2919	0.3	6364.49
Cu 324.754	1308.49	ppb	4.5227	0.3	47246.2
Fe 271.441	257491	ppb	455.624	0.2	201706
K 766.491	9768.06	ppb	19.1293	0.2	1195304
Mg 279.078	15269.1	ppb	5.6448	0.0	19049.8
Mn 257.610	9752.00	ppb	29.5618	0.3	965633
Mo 202.032	23.2958	ppb	0.8866	3.8	56.9486
Na 330.237	1817.32	ppb	145.164	8.0	11.3091
Ni 231.604	178.137	ppb	1.0062	0.6	573.296
Pb 220.353	3974.94	ppb	5.3056	0.1	3527.47
Sb 206.834	16.7596	ppb	3.1951	19.1	22.3378
Se 196.026	19.4238	ppb	7.7100	39.7	7.2176
Sn 189.925	172.133	ppb	1.8828	1.1	113.422
Sr 216.596	852.209	ppb	2.3488	0.3	5734.54
Ti 334.941	1777.08	ppb	3.8979	0.2	386046
Tl 190.794	7.3529	ppb	12.2650	166.8	-10.5316
V 292.401	297.417	ppb	0.7756	0.3	8819.48
Zn 206.200	11385.4	ppb	18.6921	0.2	38589.1

CCV (Samp) **4/16/2013, 4:07:09 PM** **Rack 1, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	502.810	ppb	5.7619	1.1	15761.1
Al 308.215	4954.88	ppb	32.9315	0.7	15738.3
As 188.980	484.836	ppb	9.1556	1.9	197.122
B 249.678	504.764	ppb	3.0711	0.6	4512.83
Ba 389.178	5145.13	ppb	27.8144	0.5	89317.5
Be 313.042	513.338	ppb	1.8456	0.4	814821
Ca 370.602	5042	ppb	13.61	0.3	19354
Cd 226.502	512.456	ppb	2.3645	0.5	12206.8
Co 228.615	518.705	ppb	3.3209	0.6	4294.55
Cr 267.716	5164.34	ppb	21.8119	0.4	86208.8
Cu 324.754	5125.75	ppb	24.4254	0.5	185709
Fe 271.441	5045.72	ppb	33.0372	0.7	4009.65
K 766.491	9865.06	ppb	36.3078	0.4	1206942
Mg 279.078	4893.07	ppb	37.1597	0.8	6431.08
Mn 257.610	5332.59	ppb	19.3858	0.4	527938
Mo 202.032	490.720	ppb	2.7611	0.6	1828.37
Na 330.237	7386.10	ppb	124.226	1.7	488.375
Ni 231.604	2577.94	ppb	8.8620	0.3	8020.10
Pb 220.353	502.120	ppb	8.1683	1.6	442.539
Sb 206.834	930.235	ppb	8.0050	0.9	670.464
Se 196.026	4864.56	ppb	38.3052	0.8	1273.94
Sn 189.925	4980.38	ppb	21.4856	0.4	3247.15
Sr 216.596	2515.90	ppb	9.2679	0.4	16421.9
Ti 334.941	497.339	ppb	2.1887	0.4	108309

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	5010.77	ppb	35.7439	0.7	2464.07
V 292.401	4917.22	ppb	26.4521	0.5	144678
Zn 206.200	2577.25	ppb	9.5751	0.4	8717.32

CCB (Samp) **4/16/2013, 4:12:34 PM** **Rack 1, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6669	ppb	0.4377	65.6	-32.2705
Al 308.215	-5.8879	ppb	0.6725	11.4	37.8921
As 188.980	-1.0281	ppb	3.4591	336.5	-2.2201
B 249.678	-1.6912	ppb	0.6662	39.4	58.2807
Ba 389.178	-1.9956	ppb	1.3212	66.2	-36.0224
Be 313.042	-0.1981	ppb	0.0049	2.5	-176.045
Ca 370.602	-16.23	ppb	2.569	15.8	-98.49
Cd 226.502	-0.8753	ppb	0.1623	18.5	14.3113
Co 228.615	-0.9506	ppb	0.3768	39.6	-12.4118
Cr 267.716	-1.2405	ppb	0.1892	15.3	15.6954
Cu 324.754	-1.2702	ppb	0.4167	32.8	96.7470
Fe 271.441	3.0957	ppb	6.2847	203.0	-4.6577
K 766.491	-15.0676	ppb	0.2311	1.5	2163.33
Mg 279.078	-8.6714	ppb	1.0937	12.6	19.2642
Mn 257.610	-1.6460	ppb	0.0622	3.8	20.4701
Mo 202.032	-0.3929	ppb	0.9057	230.5	3.5245
Na 330.237	-76.2304	ppb	61.6945	80.9	2.1161
Ni 231.604	-0.7112	ppb	0.4061	57.1	0.2373
Pb 220.353	0.9780	ppb	3.9835	407.3	2.4890
Sb 206.834	1.1634	ppb	2.3031	198.0	3.3409
Se 196.026	-8.7694	ppb	9.1487	104.3	1.2331
Sn 189.925	-1.6165	ppb	1.5724	97.3	0.2450
Sr 216.596	-1.6667	ppb	0.6601	39.6	-6.5177
Ti 334.941	-0.2094	ppb	0.0309	14.8	-53.5628
Tl 190.794	1.4844	ppb	7.4482	501.8	-1.3714
V 292.401	-0.4032	ppb	0.0995	24.7	10.4112
Zn 206.200	-1.2333	ppb	0.4358	35.3	1.9982

mb 680-272808/1-a (Samp) **4/16/2013, 4:18:01 PM** **Rack 2, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7782	ppb	0.3618	46.5	-35.7682
Al 308.215	12.2345	ppb	1.7140	14.0	94.2083
As 188.980	-4.8694	ppb	2.5231	51.8	-3.7909
B 249.678	-1.8190	ppb	0.4837	26.6	57.0425
Ba 389.178	-0.8334	ppb	0.7010	84.1	-15.7884
Be 313.042	-0.2093	ppb	0.0081	3.9	-193.934
Ca 370.602	3.081	ppb	1.923	62.4	-30.77
Cd 226.502	-0.7508	ppb	0.1284	17.1	17.3735
Co 228.615	-0.8537	ppb	0.6985	81.8	-11.6053
Cr 267.716	-1.1297	ppb	0.0764	6.8	17.5184
Cu 324.754	-1.1354	ppb	0.0808	7.1	101.601
Fe 271.441	49.7091	ppb	5.9672	12.0	31.8553
K 766.491	-12.2208	ppb	0.1865	1.5	2510.59

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-0.0251	ppb	3.0556	12192.9	30.4338
Mn 257.610	-0.8507	ppb	0.0359	4.2	99.2463
Mo 202.032	-0.9941	ppb	0.4087	41.1	1.2716
Na 330.237	-161.311	ppb	83.7589	51.9	-3.3655
Ni 231.604	-0.9346	ppb	0.8225	88.0	-0.4556
Pb 220.353	-0.5314	ppb	1.2478	234.8	1.1430
Sb 206.834	3.7266	ppb	2.4627	66.1	5.0850
Se 196.026	-2.8591	ppb	5.2177	182.5	2.7749
Sn 189.925	-1.3641	ppb	3.6086	264.5	0.4095
Sr 216.596	-1.4605	ppb	0.6705	45.9	-5.1287
Ti 334.941	-0.0077	ppb	0.0356	462.8	-9.7337
Tl 190.794	-0.3200	ppb	2.8656	895.4	-2.2599
V 292.401	-0.6342	ppb	0.1473	23.2	3.6057
Zn 206.200	64.0818	ppb	1.4337	2.2	223.306

lcs 680-272808/2-a (Samp) **4/16/2013, 4:23:29 PM** **Rack 2, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.6749	ppb	0.2308	2.4	293.057
Al 308.215	5206.77	ppb	17.6056	0.3	16248.9
As 188.980	102.167	ppb	1.1740	1.1	39.7910
B 249.678	192.157	ppb	1.2995	0.7	1753.40
Ba 389.178	107.445	ppb	0.9666	0.9	1880.31
Be 313.042	54.1125	ppb	0.3054	0.6	85756.3
Ca 370.602	5288	ppb	27.53	0.5	20055
Cd 226.502	53.2376	ppb	0.3553	0.7	1310.33
Co 228.615	54.1816	ppb	0.2082	0.4	444.032
Cr 267.716	109.729	ppb	0.9012	0.8	1865.15
Cu 324.754	109.669	ppb	0.7256	0.7	4102.21
Fe 271.441	5239.26	ppb	32.3147	0.6	4100.63
K 766.491	4984.35	ppb	18.2771	0.4	612429
Mg 279.078	5075.51	ppb	17.5988	0.3	6679.81
Mn 257.610	564.410	ppb	3.5672	0.6	56059.8
Mo 202.032	102.628	ppb	0.5491	0.5	387.673
Na 330.237	5293.91	ppb	126.591	2.4	350.457
Ni 231.604	107.807	ppb	1.3451	1.2	338.117
Pb 220.353	51.1295	ppb	2.9252	5.7	46.2358
Sb 206.834	48.6402	ppb	4.8540	10.0	36.2523
Se 196.026	107.317	ppb	6.3282	5.9	31.6297
Sn 189.925	215.490	ppb	3.1065	1.4	141.743
Sr 216.596	104.036	ppb	1.2593	1.2	684.613
Ti 334.941	104.478	ppb	0.5858	0.6	22690.5
Tl 190.794	40.4616	ppb	7.3159	18.1	17.5954
V 292.401	104.065	ppb	0.4878	0.5	3061.57
Zn 206.200	212.824	ppb	1.6721	0.8	727.150

lcs 680-272808/3-a (Samp) **4/16/2013, 4:28:57 PM** **Rack 2, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	212.869	ppb	0.4841	0.2	6670.75
Al 308.215	2273.55	ppb	5.5827	0.2	7137.33

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	207.832	ppb	3.2020	1.5	82.4291
B 249.678	386.046	ppb	1.1694	0.3	3425.78
Ba 389.178	202.802	ppb	0.4658	0.2	3584.99
Be 313.042	214.500	ppb	0.1990	0.1	339421
Ca 370.602	21009	ppb	33.04	0.2	79651
Cd 226.502	209.722	ppb	0.6056	0.3	5058.95
Co 228.615	212.780	ppb	0.8755	0.4	1757.47
Cr 267.716	217.234	ppb	0.1468	0.1	3651.92
Cu 324.754	217.606	ppb	1.6298	0.7	7976.64
Fe 271.441	21303.9	ppb	15.4577	0.1	16693.3
K 766.491	19976.2	ppb	12.2598	0.1	2442507
Mg 279.078	20108.3	ppb	25.3752	0.1	26371.4
Mn 257.610	2208.33	ppb	1.9851	0.1	218807
Mo 202.032	207.660	ppb	0.8867	0.4	777.712
Na 330.237	18693.6	ppb	169.444	0.9	1218.64
Ni 231.604	213.653	ppb	1.3501	0.6	668.680
Pb 220.353	200.018	ppb	5.5837	2.8	178.762
Sb 206.834	195.347	ppb	2.4161	1.2	138.029
Se 196.026	199.726	ppb	11.6354	5.8	55.9724
Sn 189.925	216.655	ppb	4.3446	2.0	142.474
Sr 216.596	216.809	ppb	0.7342	0.3	1428.11
Ti 334.941	207.787	ppb	0.1635	0.1	45146.6
Tl 190.794	46.0186	ppb	5.2195	11.3	19.8422
V 292.401	207.141	ppb	0.3622	0.2	6071.89
Zn 206.200	299.450	ppb	0.6858	0.2	1021.21

Cont Calib Verif (CCV) **4/16/2013, 4:34:25 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	498.169	ppb	12.1789	2.4	15615.5	99.63373
Al 308.215	4951.92	ppb	154.135	3.1	15728.0	99.03834
As 188.980	494.379	ppb	18.7617	3.8	201.019	98.87576
B 249.678	501.878	ppb	14.2774	2.8	4487.46	20.07510Q
Ba 389.178	5124.95	ppb	146.125	2.9	88967.1	102.49896
Be 313.042	511.991	ppb	15.2410	3.0	812680	102.39819
Ca 370.602	5043	ppb	143.4	2.8	19361	100.85463
Cd 226.502	510.445	ppb	15.8725	3.1	12159.0	102.08907
Co 228.615	517.431	ppb	14.8010	2.9	4284.02	103.48616
Cr 267.716	5140.27	ppb	147.594	2.9	85807.0	102.80534
Cu 324.754	5071.72	ppb	127.668	2.5	183752	101.43432
Fe 271.441	5028.83	ppb	148.938	3.0	3996.22	100.57663
K 766.491	9832.84	ppb	228.430	2.3	1203014	98.32838
Mg 279.078	4882.37	ppb	150.395	3.1	6417.14	97.64731
Mn 257.610	5309.93	ppb	157.799	3.0	525696	106.19859
Mo 202.032	490.263	ppb	14.5499	3.0	1826.71	98.05269
Na 330.237	7378.81	ppb	195.188	2.6	487.915	98.38415
Ni 231.604	2567.69	ppb	61.9340	2.4	7988.21	102.70758
Pb 220.353	493.394	ppb	12.3517	2.5	434.793	98.67873
Sb 206.834	928.064	ppb	31.8081	3.4	668.862	37.12256Q
Se 196.026	4883.13	ppb	144.706	3.0	1278.79	97.66259
Sn 189.925	4971.36	ppb	152.253	3.1	3241.28	99.42722
Sr 216.596	2511.94	ppb	72.0820	2.9	16396.4	100.47764
Ti 334.941	495.443	ppb	14.5801	2.9	107896	99.08864

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4988.09	ppb	134.516	2.7	2452.91	99.76176
V 292.401	4898.82	ppb	147.846	3.0	144137	97.97649
Zn 206.200	2574.12	ppb	70.9767	2.8	8706.78	102.96468

Cont Calib Blank (CCB) **4/16/2013, 4:39:52 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	-0.3975	ppb	0.1338	33.7	-23.8174	-0.39746
Al 308.215	-1.1324	ppb	1.0120	89.4	52.7022	-1.13238
As 188.980	-1.7953	ppb	3.8443	214.1	-2.5337	-1.79527
B 249.678	-1.0306	ppb	0.9755	94.6	64.1084	-1.03065
Ba 389.178	-1.0362	ppb	0.7921	76.4	-19.3717	-1.03620
Be 313.042	-0.1647	ppb	0.0029	1.7	-122.908	-0.16467
Ca 370.602	-11.02	ppb	0.8090	7.3	-77.89	-11.01744
Cd 226.502	-0.9437	ppb	0.2515	26.7	12.6907	-0.94373
Co 228.615	-0.6339	ppb	0.5264	83.0	-9.7869	-0.63391
Cr 267.716	-1.1416	ppb	0.4144	36.3	17.3416	-1.14162
Cu 324.754	-0.8655	ppb	0.3705	42.8	111.380	-0.86555
Fe 271.441	2.5841	ppb	4.7266	182.9	-5.0246	2.58414
K 766.491	-13.1290	ppb	0.2216	1.7	2399.76	-13.12903
Mg 279.078	-2.8874	ppb	2.6884	93.1	26.8611	-2.88738
Mn 257.610	-0.9824	ppb	0.0312	3.2	86.1461	-0.98240
Mo 202.032	-1.1872	ppb	1.0127	85.3	0.5547	-1.18723
Na 330.237	-63.8666	ppb	41.9231	65.6	2.9315	-63.86663
Ni 231.604	-0.7928	ppb	0.7246	91.4	-0.0168	-0.79285
Pb 220.353	-1.1633	ppb	3.3448	287.5	0.5814	-1.16332
Sb 206.834	0.4089	ppb	1.0619	259.7	2.8325	0.40893
Se 196.026	1.5755	ppb	3.6896	234.2	3.9329	1.57552
Sn 189.925	-3.1145	ppb	0.6345	20.4	-0.7312	-3.11447
Sr 216.596	-2.0178	ppb	0.8866	43.9	-8.8203	-2.01777
Ti 334.941	-0.1775	ppb	0.0392	22.1	-46.5876	-0.17746
Tl 190.794	0.7789	ppb	4.4342	569.3	-1.7163	0.77886
V 292.401	0.0963	ppb	0.2646	274.6	25.1308	0.09633
Zn 206.200	3.4741	ppb	0.9634	27.7	17.9470	3.47414

640-43051-a-1-b (Samp) **4/16/2013, 4:45:19 PM** **Rack 2, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.6346	ppb	0.7296	15.7	131.094
Al 308.215	44060.8	ppb	68.5431	0.2	137017
As 188.980	-2.6389	ppb	2.9501	111.8	-3.7462
B 249.678	68.2711	ppb	0.5256	0.8	644.010
Ba 389.178	378.209	ppb	0.4800	0.1	6586.32
Be 313.042	0.3784	ppb	0.0050	1.3	750.291
Ca 370.602	25535	ppb	20.82	0.1	99177
Cd 226.502	0.9572	ppb	0.2093	21.9	89.6309
Co 228.615	2.9891	ppb	0.1197	4.0	22.6543
Cr 267.716	48.2415	ppb	0.3809	0.8	834.857
Cu 324.754	934.956	ppb	6.0716	0.6	33941.0
Fe 271.441	13015.0	ppb	14.1780	0.1	10188.4
K 766.491	4669.24	ppb	0.7621	0.0	573893

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	4817.21	ppb	8.6395	0.2	6309.88
Mn 257.610	198.838	ppb	0.3745	0.2	19890.5
Mo 202.032	10.3955	ppb	0.6852	6.6	42.6392
Na 330.237	1164.93	ppb	101.724	8.7	79.5297
Ni 231.604	27.8757	ppb	0.5913	2.1	90.1513
Pb 220.353	18.9815	ppb	2.7046	14.2	13.2749
Sb 206.834	0.0890	ppb	4.7121	5294.0	3.2908
Se 196.026	10.5733	ppb	3.2486	30.7	6.5088
Sn 189.925	54.1673	ppb	3.5691	6.6	36.5405
Sr 216.596	326.436	ppb	0.8371	0.3	2155.83
Ti 334.941	151.974	ppb	2.0595	1.4	33022.1
Tl 190.794	-4.6858	ppb	5.1346	109.6	-5.6140
V 292.401	9.1209	ppb	0.1058	1.2	288.901
Zn 206.200	2094.53	ppb	3.8029	0.2	7103.34

680-89220-b-9-d (Samp) **4/16/2013, 4:50:46 PM** **Rack 2, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.8754	ppb	0.7176	5.2	356.841
Al 308.215	91345.7	ppb	883.818	1.0	283969
As 188.980	151.909	ppb	8.3532	5.5	56.0041
B 249.678	59.6299	ppb	0.5273	0.9	-636.822
Ba 389.178	1695.04	ppb	16.6148	1.0	30070.1
Be 313.042	14.6963	ppb	0.1487	1.0	23721.6
Ca 370.602	61893	ppb	375.0	0.6	145716
Cd 226.502	11.4667	ppb	0.6179	5.4	1487.15
Co 228.615	137.772	ppb	0.3434	0.2	1165.27
Cr 267.716	507.235	ppb	4.2770	0.8	8215.96
Cu 324.754	986.365	ppb	10.7780	1.1	35922.4
Fe 271.441	530142	ppb	5486.83	1.0	415288
K 766.491	8644.46	ppb	75.6393	0.9	1058810
Mg 279.078	9568.19	ppb	90.3244	0.9	10465.3
Mn 257.610	8624.16	ppb	78.2744	0.9	854314
Mo 202.032	26.5219	ppb	0.2852	1.1	30.3872
Na 330.237	1881.80	ppb	59.4661	3.2	-118.597
Ni 231.604	305.442	ppb	4.5830	1.5	986.268
Pb 220.353	2354.01	ppb	20.5032	0.9	2083.17
Sb 206.834	5.6070	ppb	1.5669	27.9	22.8160
Se 196.026	51.9740	ppb	20.1304	38.7	9.1875
Sn 189.925	199.475	ppb	3.7929	1.9	131.499
Sr 216.596	323.941	ppb	4.7961	1.5	2392.88
Ti 334.941	1331.86	ppb	14.3177	1.1	289303
Tl 190.794	-3.7766	ppb	7.1245	188.6	-27.1058
V 292.401	537.300	ppb	5.7074	1.1	15945.5
Zn 206.200	5562.88	ppb	57.1525	1.0	18867.2

680-89220-b-9-dSD^5 (Samp) **4/16/2013, 4:56:13 PM** **Rack 2, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9669	ppb	0.2280	7.7	67.9599
Al 308.215	18388.3	ppb	552.710	3.0	57208.9

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	34.7694	ppb	6.1600	17.7	11.5112
B 249.678	11.2969	ppb	0.8571	7.6	-84.8655
Ba 389.178	350.025	ppb	10.0568	2.9	6209.76
Be 313.042	2.8661	ppb	0.1031	3.6	4740.53
Ca 370.602	13076	ppb	211.9	1.6	31035
Cd 226.502	1.1486	ppb	0.5918	51.5	308.347
Co 228.615	29.0693	ppb	0.7149	2.5	242.183
Cr 267.716	103.628	ppb	2.8697	2.8	1706.33
Cu 324.754	205.103	ppb	6.1931	3.0	7582.27
Fe 271.441	110519	ppb	2699.45	2.4	86570.0
K 766.491	1644.93	ppb	38.9501	2.4	204711
Mg 279.078	2028.23	ppb	48.1537	2.4	2249.85
Mn 257.610	1845.12	ppb	52.9465	2.9	182919
Mo 202.032	3.6410	ppb	0.1205	3.3	3.2199
Na 330.237	413.118	ppb	84.5577	20.5	-17.5169
Ni 231.604	63.4447	ppb	1.8671	2.9	206.829
Pb 220.353	499.056	ppb	12.1115	2.4	443.042
Sb 206.834	-0.6202	ppb	5.8569	944.3	5.5636
Se 196.026	7.6372	ppb	7.0164	91.9	3.8767
Sn 189.925	38.3432	ppb	4.3128	11.2	26.3274
Sr 216.596	65.4585	ppb	1.8434	2.8	488.741
Ti 334.941	274.270	ppb	8.0822	2.9	59570.1
Tl 190.794	-2.7434	ppb	4.7334	172.5	-8.2702
V 292.401	110.311	ppb	3.0949	2.8	3291.80
Zn 206.200	1289.95	ppb	35.9208	2.8	4379.47

680-89220-b-9-dPDS (Samp) **4/16/2013, 5:01:40 PM** **Rack 2, Tube 30**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	64.0705	ppb	0.8976	1.4	1931.95
Al 308.215	91794.2	ppb	95.8185	0.1	285402
As 188.980	2152.07	ppb	6.2037	0.3	873.474
B 249.678	1002.00	ppb	1.4306	0.1	7689.41
Ba 389.178	3708.87	ppb	2.0098	0.1	65015.0
Be 313.042	64.5355	ppb	0.0331	0.1	102771
Ca 370.602	65697	ppb	27.54	0.0	162723
Cd 226.502	60.1975	ppb	0.2866	0.5	2623.45
Co 228.615	641.668	ppb	1.9299	0.3	5344.79
Cr 267.716	702.001	ppb	1.0831	0.2	11470.1
Cu 324.754	1220.28	ppb	0.9754	0.1	44372.5
Fe 271.441	521030	ppb	544.629	0.1	408179
K 766.491	13975.3	ppb	1.6120	0.0	1709044
Mg 279.078	14172.7	ppb	7.9942	0.1	16553.1
Mn 257.610	8965.24	ppb	15.6400	0.2	888080
Mo 202.032	520.463	ppb	1.6231	0.3	1876.68
Na 330.237	6858.65	ppb	99.9181	1.5	205.091
Ni 231.604	791.573	ppb	3.0947	0.4	2497.91
Pb 220.353	2791.30	ppb	2.2246	0.1	2471.49
Sb 206.834	470.115	ppb	10.9675	2.3	335.348
Se 196.026	1993.32	ppb	10.0573	0.5	516.116
Sn 189.925	1152.92	ppb	10.4740	0.9	753.097
Sr 216.596	810.725	ppb	0.8923	0.1	5557.91
Ti 334.941	2280.87	ppb	0.8169	0.0	495381

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1909.26	ppb	9.7889	0.5	914.037
V 292.401	1012.56	ppb	1.6779	0.2	29842.4
Zn 206.200	6012.60	ppb	5.8244	0.1	20390.0

680-89220-b-9-e ms (Samp) **4/16/2013, 5:07:07 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	23.9893	ppb	0.8660	3.6	674.812
Al 308.215	112894	ppb	709.092	0.6	350963
As 188.980	259.363	ppb	6.2530	2.4	100.206
B 249.678	204.211	ppb	2.1932	1.1	626.684
Ba 389.178	1908.19	ppb	10.1347	0.5	33779.9
Be 313.042	65.2911	ppb	0.3766	0.6	103819
Ca 370.602	54508	ppb	102.2	0.2	115551
Cd 226.502	59.6418	ppb	0.1476	0.2	2640.78
Co 228.615	161.554	ppb	1.2071	0.7	1360.74
Cr 267.716	719.151	ppb	2.6392	0.4	11750.4
Cu 324.754	1048.56	ppb	12.2393	1.2	38195.2
Fe 271.441	534036	ppb	3125.25	0.6	418341
K 766.491	14259.5	ppb	81.1981	0.6	1744198
Mg 279.078	12121.3	ppb	61.2945	0.5	13804.0
Mn 257.610	9069.38	ppb	55.1240	0.6	898386
Mo 202.032	109.505	ppb	1.7329	1.6	339.910
Na 330.237	7207.42	ppb	131.374	1.8	227.317
Ni 231.604	334.866	ppb	1.6172	0.5	1078.10
Pb 220.353	2498.30	ppb	17.3794	0.7	2208.81
Sb 206.834	34.5476	ppb	6.8015	19.7	44.1201
Se 196.026	129.623	ppb	29.0275	22.4	29.4554
Sn 189.925	411.703	ppb	1.7213	0.4	269.836
Sr 216.596	418.264	ppb	1.5964	0.4	3011.95
Ti 334.941	1311.97	ppb	7.1137	0.5	284990
Tl 190.794	26.0135	ppb	6.9238	26.6	-12.6963
V 292.401	708.301	ppb	3.5335	0.5	20957.4
Zn 206.200	5193.01	ppb	23.4565	0.5	17613.2

680-89220-b-9-f msd (Samp) **4/16/2013, 5:12:34 PM** **Rack 2, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	29.5342	ppb	0.4543	1.5	857.198
Al 308.215	105965	ppb	64.2040	0.1	329423
As 188.980	264.532	ppb	4.9660	1.9	102.277
B 249.678	209.314	ppb	1.4560	0.7	785.788
Ba 389.178	2024.79	ppb	1.8918	0.1	35745.9
Be 313.042	65.8801	ppb	0.0357	0.1	104681
Ca 370.602	61548	ppb	5.941	0.0	152905
Cd 226.502	61.0686	ppb	0.3615	0.6	2566.10
Co 228.615	171.191	ppb	1.0385	0.6	1441.88
Cr 267.716	616.721	ppb	1.2716	0.2	10068.7
Cu 324.754	1139.70	ppb	3.6496	0.3	41456.3
Fe 271.441	485512	ppb	155.747	0.0	380329
K 766.491	14611.2	ppb	8.8319	0.1	1787111

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	13260.4	ppb	27.6960	0.2	15497.0
Mn 257.610	9006.29	ppb	6.8576	0.1	892090
Mo 202.032	112.573	ppb	0.5359	0.5	358.320
Na 330.237	6974.07	ppb	90.7382	1.3	234.076
Ni 231.604	369.584	ppb	1.2768	0.3	1182.95
Pb 220.353	2534.40	ppb	5.9894	0.2	2242.11
Sb 206.834	31.4277	ppb	5.2393	16.7	39.6807
Se 196.026	133.853	ppb	19.5736	14.6	31.5725
Sn 189.925	397.252	ppb	2.7443	0.7	260.420
Sr 216.596	457.780	ppb	2.0602	0.5	3245.52
Ti 334.941	1463.78	ppb	0.4825	0.0	317951
Tl 190.794	29.6582	ppb	8.2210	27.7	-8.7751
V 292.401	592.946	ppb	0.5668	0.1	17550.5
Zn 206.200	5338.07	ppb	10.2116	0.2	18103.9

680-89220-b-16-b (Samp) **4/16/2013, 5:18:01 PM** **Rack 2, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4280	ppb	2.4580	574.3	-98.7214
Al 308.215	126319	ppb	159.745	0.1	392683
As 188.980	248.354	ppb	24.6236	9.9	93.6996
B 249.678	83.6007	ppb	0.7156	0.9	-789.248
Ba 389.178	3086.08	ppb	2.5079	0.1	54415.6
Be 313.042	20.8378	ppb	0.0066	0.0	33644.4
Ca 370.602	96974	ppb	82.12	0.1	255924
Cd 226.502	11.8724	ppb	0.2381	2.0	1844.11
Co 228.615	148.870	ppb	4.5348	3.0	1268.62
Cr 267.716	739.809	ppb	1.7501	0.2	12016.4
Cu 324.754	624.510	ppb	2.0312	0.3	22781.3
Fe 271.441	686086	ppb	344.542	0.1	537449
K 766.491	8231.08	ppb	3.1191	0.0	1007987
Mg 279.078	19717.8	ppb	15.3815	0.1	23170.8
Mn 257.610	14158.1	ppb	14.4019	0.1	1402188
Mo 202.032	32.0380	ppb	1.3201	4.1	29.1140
Na 330.237	1772.88	ppb	128.364	7.2	-201.228
Ni 231.604	137.404	ppb	1.4325	1.0	474.241
Pb 220.353	2573.37	ppb	12.0640	0.5	2273.24
Sb 206.834	10.7390	ppb	3.8755	36.1	31.8738
Se 196.026	70.2407	ppb	6.3463	9.0	12.4261
Sn 189.925	145.137	ppb	2.8287	1.9	96.1211
Sr 216.596	516.608	ppb	1.9109	0.4	3747.14
Ti 334.941	1887.68	ppb	0.4218	0.0	410050
Tl 190.794	-5.6531	ppb	6.7298	119.0	-34.8347
V 292.401	866.174	ppb	0.1072	0.0	25660.9
Zn 206.200	6437.39	ppb	9.2034	0.1	21833.8

680-89220-b-17-b (Samp) **4/16/2013, 5:23:29 PM** **Rack 2, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0233	ppb	1.0717	4598.0	-49.5873
Al 308.215	105449	ppb	81.2764	0.1	327805

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	151.348	ppb	5.2303	3.5	53.1362
B 249.678	100.577	ppb	1.8136	1.8	-265.819
Ba 389.178	2610.91	ppb	6.0152	0.2	45998.7
Be 313.042	18.5041	ppb	0.0383	0.2	29722.1
Ca 370.602	145551	ppb	214.2	0.1	479946
Cd 226.502	18.3215	ppb	0.2145	1.2	1641.01
Co 228.615	133.370	ppb	0.3592	0.3	1138.72
Cr 267.716	511.384	ppb	2.0713	0.4	8297.38
Cu 324.754	1073.85	ppb	9.0099	0.8	38858.7
Fe 271.441	525398	ppb	925.751	0.2	411571
K 766.491	11550.3	ppb	18.6807	0.2	1413299
Mg 279.078	31405.5	ppb	37.0100	0.1	39172.9
Mn 257.610	15424.7	ppb	37.1770	0.2	1527375
Mo 202.032	25.1172	ppb	1.2828	5.1	26.1024
Na 330.237	1842.83	ppb	214.971	11.7	-121.518
Ni 231.604	198.552	ppb	1.5152	0.8	654.567
Pb 220.353	2888.17	ppb	15.2758	0.5	2557.16
Sb 206.834	12.4920	ppb	12.0179	96.2	27.3237
Se 196.026	44.0461	ppb	13.1047	29.8	9.5144
Sn 189.925	179.004	ppb	8.9944	5.0	117.994
Sr 216.596	464.542	ppb	1.8542	0.4	3322.88
Ti 334.941	1986.85	ppb	3.2638	0.2	431617
Tl 190.794	-10.0996	ppb	4.7997	47.5	-30.6421
V 292.401	468.741	ppb	0.5121	0.1	13913.6
Zn 206.200	6913.16	ppb	12.8447	0.2	23442.9

680-89220-b-42-b (Samp) **4/16/2013, 5:28:57 PM** **Rack 2, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.1825	ppb	0.2003	3.9	89.1490
Al 308.215	122391	ppb	65.5413	0.1	380470
As 188.980	326.924	ppb	6.4446	2.0	124.610
B 249.678	73.3846	ppb	0.7991	1.1	-725.794
Ba 389.178	1374.99	ppb	1.3270	0.1	24663.6
Be 313.042	18.1336	ppb	0.0112	0.1	29252.6
Ca 370.602	145036	ppb	277.8	0.2	459849
Cd 226.502	19.1890	ppb	0.0588	0.3	1872.07
Co 228.615	142.311	ppb	0.7747	0.5	1216.07
Cr 267.716	922.667	ppb	0.2103	0.0	15107.5
Cu 324.754	427.619	ppb	1.7311	0.4	15492.1
Fe 271.441	619906	ppb	202.126	0.0	485605
K 766.491	10717.4	ppb	10.9538	0.1	1311943
Mg 279.078	28439.5	ppb	45.5208	0.2	34897.1
Mn 257.610	14495.2	ppb	12.8635	0.1	1435496
Mo 202.032	15.2224	ppb	1.3518	8.9	-24.1975
Na 330.237	1627.62	ppb	91.8393	5.6	-171.116
Ni 231.604	112.334	ppb	0.5394	0.5	392.461
Pb 220.353	3326.62	ppb	11.3335	0.3	2944.65
Sb 206.834	-0.4909	ppb	8.3751	1706.2	24.6824
Se 196.026	48.2310	ppb	17.0299	35.3	8.6029
Sn 189.925	117.951	ppb	4.0108	3.4	78.2626
Sr 216.596	296.288	ppb	1.9138	0.6	2269.78
Ti 334.941	2125.89	ppb	0.4830	0.0	461835

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-9.9926	ppb	10.3110	103.2	-34.5868
V 292.401	653.996	ppb	0.3690	0.1	19380.3
Zn 206.200	12884.0	ppb	11.0957	0.1	43674.5

680-89220-a-45-b (Samp) **4/16/2013, 5:34:25 PM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	18.4255	ppb	0.7122	3.9	518.988
Al 308.215	97666.1	ppb	361.197	0.4	303623
As 188.980	181.821	ppb	7.9334	4.4	68.5212
B 249.678	56.2457	ppb	1.6007	2.8	-498.737
Ba 389.178	2077.28	ppb	5.8395	0.3	36615.6
Be 313.042	13.7397	ppb	0.0408	0.3	22191.5
Ca 370.602	63539	ppb	142.9	0.2	166078
Cd 226.502	12.2795	ppb	0.3532	2.9	1347.44
Co 228.615	120.376	ppb	1.4038	1.2	1023.34
Cr 267.716	550.102	ppb	2.6159	0.5	8974.13
Cu 324.754	1062.69	ppb	9.4227	0.9	38648.3
Fe 271.441	458199	ppb	1759.56	0.4	358930
K 766.491	9581.12	ppb	32.1915	0.3	1173056
Mg 279.078	9591.05	ppb	10.1507	0.1	10780.8
Mn 257.610	10249.5	ppb	29.5098	0.3	1015079
Mo 202.032	16.3008	ppb	1.0093	6.2	2.3884
Na 330.237	1859.48	ppb	81.1783	4.4	-87.8284
Ni 231.604	235.797	ppb	3.4894	1.5	765.160
Pb 220.353	2888.20	ppb	4.1183	0.1	2558.47
Sb 206.834	21.3616	ppb	8.4177	39.4	31.5420
Se 196.026	34.7940	ppb	6.3442	18.2	6.4575
Sn 189.925	310.251	ppb	2.5297	0.8	203.725
Sr 216.596	398.393	ppb	2.8204	0.7	2848.69
Ti 334.941	1536.88	ppb	5.9982	0.4	333822
Tl 190.794	-1.2710	ppb	9.7747	769.1	-22.7206
V 292.401	506.088	ppb	1.3800	0.3	15007.7
Zn 206.200	5535.97	ppb	13.9986	0.3	18773.9

Cont Calib Verif (CCV) **4/16/2013, 5:39:52 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	507.685	ppb	3.4177	0.7	15914.1	101.53705
Al 308.215	5046.48	ppb	23.1161	0.5	16025.4	100.92966
As 188.980	488.630	ppb	6.1678	1.3	198.679	97.72601
B 249.678	506.885	ppb	0.3452	0.1	4531.44	20.27541Q
Ba 389.178	5185.91	ppb	20.7300	0.4	90025.4	103.71812
Be 313.042	518.096	ppb	1.7867	0.3	822370	103.61913
Ca 370.602	5107	ppb	20.08	0.4	19603	102.13228
Cd 226.502	516.446	ppb	0.8628	0.2	12301.6	103.28911
Co 228.615	522.772	ppb	1.1908	0.2	4328.30	104.55443
Cr 267.716	5198.57	ppb	21.5267	0.4	86779.8	103.97140
Cu 324.754	5171.76	ppb	18.4468	0.4	187375	103.43520
Fe 271.441	5109.40	ppb	6.7701	0.1	4060.08	102.18798
K 766.491	9962.18	ppb	40.0432	0.4	1218787	99.62176

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4929.30	ppb	21.8602	0.4	6478.38	98.58591
Mn 257.610	5373.34	ppb	20.6207	0.4	531972	107.46684
Mo 202.032	497.117	ppb	3.2199	0.6	1852.19	99.42332
Na 330.237	7473.25	ppb	189.270	2.5	494.157	99.64336
Ni 231.604	2585.23	ppb	5.1754	0.2	8042.79	103.40939
Pb 220.353	502.176	ppb	2.8274	0.6	442.540	100.43510
Sb 206.834	934.660	ppb	14.4040	1.5	673.719	37.38638Q
Se 196.026	4924.00	ppb	40.3632	0.8	1289.46	98.47994
Sn 189.925	5021.82	ppb	20.9844	0.4	3274.16	100.43637
Sr 216.596	2537.84	ppb	10.2366	0.4	16565.6	101.51343
Ti 334.941	501.788	ppb	2.1742	0.4	109277	100.35753
Tl 190.794	5050.56	ppb	19.6454	0.4	2483.66	101.01117
V 292.401	4958.74	ppb	20.6502	0.4	145900	99.17488
Zn 206.200	2663.89	ppb	7.3627	0.3	9010.74	106.55570

Cont Calib Blank (CCB) **4/16/2013, 5:45:20 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	-0.7915	ppb	0.2116	26.7	-36.1834	-0.79151
Al 308.215	6.2804	ppb	2.7284	43.4	75.7157	6.28036
As 188.980	-0.9708	ppb	4.1701	429.6	-2.1978	-0.97077
B 249.678	-1.1253	ppb	0.5317	47.3	63.2007	-1.12527
Ba 389.178	-1.6586	ppb	0.6352	38.3	-30.1394	-1.65865
Be 313.042	-0.1961	ppb	0.0026	1.3	-172.828	-0.19607
Ca 370.602	7.603	ppb	5.174	68.1	-8.798	7.60254
Cd 226.502	-0.9232	ppb	0.0705	7.6	13.2378	-0.92317
Co 228.615	-1.0934	ppb	0.5748	52.6	-13.5896	-1.09343
Cr 267.716	-1.4872	ppb	0.1311	8.8	11.5607	-1.48722
Cu 324.754	-1.0233	ppb	0.3382	33.1	105.640	-1.02333
Fe 271.441	29.7532	ppb	2.9529	9.9	16.2247	29.75324Z
K 766.491	-11.9588	ppb	0.6105	5.1	2542.76	-11.95885
Mg 279.078	-3.3307	ppb	5.7336	172.1	26.1731	-3.33070
Mn 257.610	-1.2552	ppb	0.0689	5.5	59.1886	-1.25517
Mo 202.032	-0.8147	ppb	0.4201	51.6	1.9442	-0.81472
Na 330.237	-129.755	ppb	96.6995	74.5	-1.2422	-129.75458
Ni 231.604	0.1612	ppb	0.1854	115.0	2.9550	0.16123
Pb 220.353	1.9804	ppb	0.6774	34.2	3.3801	1.98044
Sb 206.834	2.5795	ppb	1.0698	41.5	4.3094	2.57951
Se 196.026	2.0364	ppb	8.8537	434.8	4.0528	2.03640
Sn 189.925	-2.8495	ppb	2.0121	70.6	-0.5585	-2.84946
Sr 216.596	-1.5969	ppb	0.1193	7.5	-6.0780	-1.59689
Ti 334.941	-0.0170	ppb	0.0396	232.5	-11.7563	-0.01701
Tl 190.794	6.9877	ppb	2.6380	37.8	1.3293	6.98767
V 292.401	-0.3630	ppb	0.2181	60.1	11.6176	-0.36303
Zn 206.200	94.5748	ppb	2.3633	2.5	326.625	94.57484Z

680-89220-a-46-b (Samp) **4/16/2013, 5:50:47 PM** **Rack 2, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.8416	ppb	0.3805	5.6	160.973
Al 308.215	109758	ppb	393.049	0.4	341194

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	297.561	ppb	11.6868	3.9	112.407
B 249.678	77.0620	ppb	1.7892	2.3	-608.424
Ba 389.178	1382.00	ppb	6.4714	0.5	24737.4
Be 313.042	15.2236	ppb	0.0638	0.4	24559.3
Ca 370.602	154204	ppb	413.5	0.3	503391
Cd 226.502	19.2442	ppb	0.3856	2.0	1791.55
Co 228.615	122.533	ppb	0.8164	0.7	1049.84
Cr 267.716	635.005	ppb	3.3892	0.5	10330.5
Cu 324.754	345.787	ppb	1.6436	0.5	12490.0
Fe 271.441	583694	ppb	2292.11	0.4	457236
K 766.491	9987.79	ppb	29.5866	0.3	1222874
Mg 279.078	27002.7	ppb	91.2844	0.3	33150.0
Mn 257.610	17118.4	ppb	58.6309	0.3	1695043
Mo 202.032	13.6203	ppb	2.0047	14.7	-24.9569
Na 330.237	2529.41	ppb	156.749	6.2	-95.0483
Ni 231.604	99.0369	ppb	1.2303	1.2	348.738
Pb 220.353	3139.06	ppb	20.8159	0.7	2779.59
Sb 206.834	5.3083	ppb	2.8327	53.4	25.2741
Se 196.026	33.8901	ppb	26.5257	78.3	6.1040
Sn 189.925	130.860	ppb	5.1998	4.0	86.6025
Sr 216.596	376.199	ppb	2.8130	0.7	2777.15
Ti 334.941	2012.05	ppb	8.2299	0.4	437107
Tl 190.794	-0.0692	ppb	9.8589	14248.8	-28.3468
V 292.401	502.259	ppb	2.3259	0.5	14906.7
Zn 206.200	12362.6	ppb	47.6328	0.4	41908.0

680-89220-a-47-b (Samp) **4/16/2013, 5:56:14 PM** **Rack 2, Tube 40**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1449	ppb	0.1495	13.1	-29.0459
Al 308.215	124017	ppb	67.2934	0.1	385525
As 188.980	277.389	ppb	5.8184	2.1	104.764
B 249.678	97.9775	ppb	1.0043	1.0	-497.486
Ba 389.178	3880.14	ppb	5.5363	0.1	68113.8
Be 313.042	18.4843	ppb	0.0199	0.1	29826.0
Ca 370.602	131373	ppb	25.53	0.0	406450
Cd 226.502	16.2615	ppb	0.0417	0.3	1791.73
Co 228.615	157.528	ppb	1.1130	0.7	1344.01
Cr 267.716	699.581	ppb	0.4874	0.1	11388.3
Cu 324.754	823.655	ppb	3.4739	0.4	29869.7
Fe 271.441	615519	ppb	590.820	0.1	482170
K 766.491	10759.2	ppb	5.6587	0.1	1316396
Mg 279.078	22893.5	ppb	20.9624	0.1	27624.3
Mn 257.610	16107.4	ppb	39.3169	0.2	1595020
Mo 202.032	32.7304	ppb	2.4375	7.4	41.8704
Na 330.237	2096.94	ppb	299.524	14.3	-147.286
Ni 231.604	152.665	ppb	1.6226	1.1	517.284
Pb 220.353	3214.19	ppb	10.5325	0.3	2844.52
Sb 206.834	5.2730	ppb	4.5105	85.5	25.8000
Se 196.026	46.1533	ppb	9.4039	20.4	8.2711
Sn 189.925	193.274	ppb	5.8830	3.0	127.422
Sr 216.596	638.168	ppb	0.6440	0.1	4510.87
Ti 334.941	2195.25	ppb	2.2178	0.1	476866

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-9.8773	ppb	4.9975	50.6	-34.0986
V 292.401	694.500	ppb	0.1300	0.0	20581.7
Zn 206.200	7571.61	ppb	5.4970	0.1	25675.2

680-89220-a-48-b (Samp) **4/16/2013, 6:01:41 PM** **Rack 2, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3116	ppb	0.7193	230.8	-38.3396
Al 308.215	120083	ppb	187.848	0.2	373292
As 188.980	174.359	ppb	6.6259	3.8	59.6808
B 249.678	132.506	ppb	0.7051	0.5	-20.8636
Ba 389.178	3099.39	ppb	5.8935	0.2	54538.1
Be 313.042	18.7659	ppb	0.0404	0.2	30139.3
Ca 370.602	232687	ppb	816.2	0.4	823992
Cd 226.502	19.2590	ppb	0.1090	0.6	1698.98
Co 228.615	145.188	ppb	0.3446	0.2	1241.64
Cr 267.716	541.338	ppb	2.1568	0.4	8791.12
Cu 324.754	1069.91	ppb	3.9083	0.4	38485.7
Fe 271.441	541261	ppb	1603.28	0.3	423997
K 766.491	14774.1	ppb	19.8892	0.1	1806714
Mg 279.078	54233.5	ppb	98.3183	0.2	69112.7
Mn 257.610	16918.2	ppb	37.6464	0.2	1675262
Mo 202.032	34.2194	ppb	1.2205	3.6	58.2223
Na 330.237	3567.45	ppb	142.258	4.0	-17.9482
Ni 231.604	239.306	ppb	2.2795	1.0	783.198
Pb 220.353	3169.40	ppb	22.1722	0.7	2805.70
Sb 206.834	6.0105	ppb	5.1108	85.0	23.5259
Se 196.026	37.9440	ppb	10.6038	27.9	9.0101
Sn 189.925	386.864	ppb	6.6795	1.7	253.200
Sr 216.596	599.997	ppb	4.9035	0.8	4223.42
Ti 334.941	2312.39	ppb	6.8627	0.3	502401
Tl 190.794	-3.4411	ppb	5.8760	170.8	-28.8966
V 292.401	436.399	ppb	0.7749	0.2	12958.7
Zn 206.200	7167.02	ppb	21.7334	0.3	24304.3

640-43133-b-1-b (Samp) **4/16/2013, 6:07:08 PM** **Rack 2, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9264b	ppb	0.5562	60.0	-42.9631
Al 308.215	14158.2b	ppb	88.2373	0.6	44068.5
As 188.980	56.4625b	ppb	3.1177	5.5	-6.4511
B 249.678	9.6167b	ppb	0.4838	5.0	117.551
Ba 389.178	206.946b	ppb	2.2837	1.1	3628.92
Be 313.042	0.9624b	ppb	0.0077	0.8	1947.88
Ca 370.602	864140xb	ppb	7771	0.9	3437352
Cd 226.502	-0.2135b	ppb	0.2472	115.8	69.3737
Co 228.615	4.5641b	ppb	0.5365	11.8	34.9905
Cr 267.716	40.0178b	ppb	0.5770	1.4	694.804
Cu 324.754	21.6657b	ppb	1.2796	5.9	-1421.61
Fe 271.441	17306.0b	ppb	136.038	0.8	13550.4
K 766.491	2679.12b	ppb	16.1328	0.6	330997

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	9347.30b	ppb	60.7358	0.6	12246.7
Mn 257.610	377.364b	ppb	3.2292	0.9	37578.7
Mo 202.032	1.9686b	ppb	0.6531	33.2	9.9888
Na 330.237	1512.28b	ppb	47.2149	3.1	97.4585
Ni 231.604	8.4482b	ppb	0.6744	8.0	30.1872
Pb 220.353	11.7824b	ppb	1.3102	11.1	10.3212
Sb 206.834	-7.5031b	ppb	7.9258	105.6	6.4197
Se 196.026	-22.0595b	ppb	18.7991	85.2	6.9954
Sn 189.925	13.7844b	ppb	3.3860	24.6	6.8729
Sr 216.596	1307.20b	ppb	12.5365	1.0	8643.18
Ti 334.941	88.0531b	ppb	0.9903	1.1	20069.6
Tl 190.794	-4.2867b	ppb	7.9895	186.4	-13.5991
V 292.401	73.2846b	ppb	0.6322	0.9	2185.45
Zn 206.200	139.108b	ppb	1.0160	0.7	478.154

640-43133-c-2-a (Samp) **4/16/2013, 6:12:36 PM** **Rack 2, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4988	ppb	0.1998	13.3	-60.9224
Al 308.215	14641.0	ppb	150.616	1.0	45568.6
As 188.980	51.1663	ppb	7.8587	15.4	-3.6290
B 249.678	9.8013	ppb	0.6390	6.5	124.430
Ba 389.178	182.102	ppb	2.2067	1.2	3192.41
Be 313.042	0.8128	ppb	0.0106	1.3	1654.70
Ca 370.602	708613	ppb	5817	0.8	2818531
Cd 226.502	-0.3579	ppb	0.2588	72.3	60.9836
Co 228.615	3.6335	ppb	0.5778	15.9	27.4013
Cr 267.716	38.1377	ppb	0.2486	0.7	664.706
Cu 324.754	17.1824	ppb	0.4065	2.4	-1160.85
Fe 271.441	15066.9	ppb	121.410	0.8	11796.2
K 766.491	2675.84	ppb	21.5624	0.8	330603
Mg 279.078	7989.82	ppb	70.4250	0.9	10471.6
Mn 257.610	267.433	ppb	2.1690	0.8	26692.8
Mo 202.032	-0.1888	ppb	1.1233	595.0	2.2905
Na 330.237	2367.63	ppb	96.8157	4.1	154.373
Ni 231.604	8.0144	ppb	1.1447	14.3	28.6428
Pb 220.353	12.6333	ppb	4.0682	32.2	11.0386
Sb 206.834	-1.6724	ppb	5.8330	348.8	8.8148
Se 196.026	-13.5884	ppb	8.6885	63.9	7.5322
Sn 189.925	10.9257	ppb	5.4484	49.9	5.6306
Sr 216.596	1554.62	ppb	12.7992	0.8	10260.6
Ti 334.941	98.5349	ppb	0.9736	1.0	22173.4
Tl 190.794	-3.6720	ppb	4.1889	114.1	-11.6683
V 292.401	52.0220	ppb	0.3282	0.6	1558.42
Zn 206.200	134.001	ppb	1.5918	1.2	460.748

640-43133-c-3-a (Samp) **4/16/2013, 6:18:03 PM** **Rack 2, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2948b	ppb	0.2768	21.4	-56.8400
Al 308.215	23128.4b	ppb	103.591	0.4	71951.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	45.6250b	ppb	13.8175	30.3	-8.3692
B 249.678	14.3691b	ppb	0.4129	2.9	139.762
Ba 389.178	345.277b	ppb	1.6159	0.5	6042.70
Be 313.042	1.4947b	ppb	0.0068	0.5	2775.38
Ca 370.602	784529xb	ppb	8807	1.1	3118769
Cd 226.502	-0.0787b	ppb	0.2126	270.1	91.8489
Co 228.615	5.7787b	ppb	0.4440	7.7	46.0157
Cr 267.716	51.5428b	ppb	0.0571	0.1	882.285
Cu 324.754	14.3776b	ppb	1.9580	13.6	-1465.25
Fe 271.441	25752.6b	ppb	176.604	0.7	20167.1
K 766.491	4113.99b	ppb	44.2581	1.1	506120
Mg 279.078	11017.3b	ppb	75.1054	0.7	14408.2
Mn 257.610	237.441b	ppb	1.7428	0.7	23745.8
Mo 202.032	1.4100b	ppb	0.4827	34.2	6.8302
Na 330.237	1777.85b	ppb	155.243	8.7	110.467
Ni 231.604	12.5083b	ppb	0.2939	2.3	43.4223
Pb 220.353	17.7057b	ppb	2.1625	12.2	14.4866
Sb 206.834	-5.6521b	ppb	6.0315	106.7	7.1376
Se 196.026	-15.2410b	ppb	15.6052	102.4	7.7565
Sn 189.925	16.1995b	ppb	1.0036	6.2	8.7783
Sr 216.596	1639.19b	ppb	8.6887	0.5	10825.3
Ti 334.941	140.068b	ppb	0.7263	0.5	31277.3
Tl 190.794	-4.7804b	ppb	6.8690	143.7	-13.4661
V 292.401	85.7901b	ppb	0.5228	0.6	2556.27
Zn 206.200	112.087b	ppb	0.4566	0.4	386.843

640-43133-c-4-a (Samp) **4/16/2013, 6:23:30 PM** **Rack 2, Tube 45**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2707	ppb	0.7263	57.2	-56.0044
Al 308.215	21387.9	ppb	74.4391	0.3	66542.1
As 188.980	50.4377	ppb	4.2850	8.5	-1.6234
B 249.678	13.6803	ppb	1.0342	7.6	135.896
Ba 389.178	254.878	ppb	0.4939	0.2	4471.51
Be 313.042	1.4249	ppb	0.0077	0.5	2625.97
Ca 370.602	635373	ppb	731.0	0.1	2525068
Cd 226.502	-0.3793	ppb	0.2277	60.0	82.4869
Co 228.615	5.4542	ppb	0.1738	3.2	43.3906
Cr 267.716	49.4487	ppb	0.4117	0.8	847.775
Cu 324.754	11.9381	ppb	0.9832	8.2	-1147.58
Fe 271.441	24794.3	ppb	40.2062	0.2	19416.5
K 766.491	3416.17	ppb	3.3951	0.1	420959
Mg 279.078	10261.4	ppb	13.0475	0.1	13418.5
Mn 257.610	198.746	ppb	0.2743	0.1	19912.6
Mo 202.032	2.9706	ppb	0.3628	12.2	12.7598
Na 330.237	917.108	ppb	99.9081	10.9	54.5175
Ni 231.604	14.5287	ppb	1.2181	8.4	49.6127
Pb 220.353	17.8486	ppb	4.2511	23.8	14.8246
Sb 206.834	-6.8646	ppb	4.5516	66.3	4.8055
Se 196.026	-8.6709	ppb	10.1978	117.6	7.8492
Sn 189.925	9.5897	ppb	1.8499	19.3	5.0663
Sr 216.596	1755.09	ppb	0.5384	0.0	11579.2
Ti 334.941	151.139	ppb	0.1665	0.1	33516.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-6.0504	ppb	2.8113	46.5	-12.5275
V 292.401	90.7546	ppb	0.2966	0.3	2702.61
Zn 206.200	93.2667	ppb	1.2784	1.4	323.026

mb 680-272699/1-a (Samp) **4/16/2013, 6:28:57 PM** **Rack 2, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3033	ppb	0.3059	100.9	-20.8647
Al 308.215	14.3286	ppb	1.3402	9.4	100.727
As 188.980	-3.2536	ppb	6.7748	208.2	-3.1309
B 249.678	-2.6793	ppb	1.0445	39.0	49.5484
Ba 389.178	-1.2012	ppb	0.5402	45.0	-22.2151
Be 313.042	-0.2110	ppb	0.0052	2.5	-196.518
Ca 370.602	15.40	ppb	1.392	9.0	24.05
Cd 226.502	-0.8716	ppb	0.1555	17.8	14.4407
Co 228.615	-0.5619	ppb	0.2321	41.3	-9.1898
Cr 267.716	-1.7807	ppb	0.0224	1.3	6.6688
Cu 324.754	-1.6649	ppb	0.2294	13.8	82.3741
Fe 271.441	19.9628	ppb	4.8331	24.2	8.5801
K 766.491	-13.4758	ppb	0.1977	1.5	2357.45
Mg 279.078	-4.9168	ppb	4.7060	95.7	24.1272
Mn 257.610	-1.5924	ppb	0.0599	3.8	25.8047
Mo 202.032	-0.6649	ppb	0.5125	77.1	2.5058
Na 330.237	47.9014	ppb	66.2423	138.3	10.3161
Ni 231.604	-0.8049	ppb	0.5244	65.2	-0.0508
Pb 220.353	-2.8695	ppb	3.0641	106.8	-0.9383
Sb 206.834	0.1070	ppb	3.0034	2806.7	2.6193
Se 196.026	-1.6558	ppb	9.1802	554.4	3.0895
Sn 189.925	-1.7538	ppb	3.8155	217.6	0.1555
Sr 216.596	-1.4756	ppb	0.4903	33.2	-5.2472
Ti 334.941	-0.0944	ppb	0.0094	10.0	-28.5753
Tl 190.794	3.9017	ppb	2.6379	67.6	-0.1849
V 292.401	-0.5001	ppb	0.2020	40.4	7.5921
Zn 206.200	54.6740	ppb	1.3690	2.5	191.431

lcs 680-272699/2-a (Samp) **4/16/2013, 6:34:25 PM** **Rack 2, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.4560	ppb	0.3285	1.5	662.603
Al 308.215	5178.43	ppb	118.730	2.3	16160.7
As 188.980	93.3310	ppb	2.8906	3.1	36.1827
B 249.678	195.589	ppb	3.6444	1.9	1783.70
Ba 389.178	106.399	ppb	2.6310	2.5	1862.01
Be 313.042	53.3675	ppb	1.1526	2.2	84577.7
Ca 370.602	5175	ppb	103.1	2.0	19609
Cd 226.502	52.9584	ppb	1.5854	3.0	1303.64
Co 228.615	53.4099	ppb	0.7237	1.4	437.639
Cr 267.716	107.290	ppb	2.2153	2.1	1824.44
Cu 324.754	107.337	ppb	2.5623	2.4	4018.08
Fe 271.441	5215.65	ppb	112.356	2.2	4082.11
K 766.491	5039.01	ppb	82.5012	1.6	619102

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	5009.66	ppb	115.706	2.3	6593.39
Mn 257.610	555.727	ppb	11.5150	2.1	55200.3
Mo 202.032	102.084	ppb	2.8176	2.8	385.644
Na 330.237	5050.80	ppb	125.704	2.5	334.604
Ni 231.604	106.452	ppb	2.2674	2.1	333.899
Pb 220.353	53.2428	ppb	6.1295	11.5	48.1244
Sb 206.834	46.0199	ppb	5.9197	12.9	34.4786
Se 196.026	101.142	ppb	4.4552	4.4	30.0156
Sn 189.925	199.144	ppb	6.9070	3.5	131.090
Sr 216.596	102.156	ppb	2.7916	2.7	672.319
Ti 334.941	102.579	ppb	2.1401	2.1	22277.9
Tl 190.794	39.4541	ppb	2.4087	6.1	17.1013
V 292.401	102.747	ppb	2.2462	2.2	3023.15
Zn 206.200	224.283	ppb	5.4190	2.4	765.986

lcs 680-272699/3-a (Samp) **4/16/2013, 6:39:53 PM** **Rack 2, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	206.152	ppb	22.8776	11.1	6460.04
Al 308.215	2134.66	ppb	230.338	10.8	6705.51
As 188.980	206.730	ppb	22.3375	10.8	81.9792
B 249.678	396.446	ppb	41.8394	10.6	3517.15
Ba 389.178	202.188	ppb	21.5254	10.6	3574.93
Be 313.042	214.640	ppb	22.7934	10.6	339641
Ca 370.602	20951	ppb	2149	10.3	79398
Cd 226.502	211.575	ppb	23.6036	11.2	5103.13
Co 228.615	213.687	ppb	22.1237	10.4	1764.99
Cr 267.716	215.073	ppb	22.8035	10.6	3615.78
Cu 324.754	212.173	ppb	19.2589	9.1	7780.10
Fe 271.441	21400.4	ppb	2312.23	10.8	16768.9
K 766.491	20545.4	ppb	1518.85	7.4	2511994
Mg 279.078	20350.2	ppb	2156.94	10.6	26688.9
Mn 257.610	2209.26	ppb	232.462	10.5	218900
Mo 202.032	205.295	ppb	20.5003	10.0	768.856
Na 330.237	19035.6	ppb	1819.81	9.6	1241.01
Ni 231.604	213.645	ppb	24.6016	11.5	668.669
Pb 220.353	200.518	ppb	25.1728	12.6	179.227
Sb 206.834	191.983	ppb	24.3519	12.7	135.765
Se 196.026	207.712	ppb	24.8998	12.0	58.0549
Sn 189.925	197.804	ppb	21.8062	11.0	130.188
Sr 216.596	215.077	ppb	21.8241	10.1	1416.82
Ti 334.941	205.568	ppb	22.3379	10.9	44664.5
Tl 190.794	39.6024	ppb	3.9354	9.9	16.6901
V 292.401	206.536	ppb	21.2409	10.3	6054.53
Zn 206.200	319.835	ppb	35.8821	11.2	1090.30

Cont Calib Verif (CCV) **4/16/2013, 6:45:21 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	495.588	ppb	5.7885	1.2	15534.6	99.11764
Al 308.215	4911.75	ppb	49.7987	1.0	15605.4	98.23495

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	481.673	ppb	7.4693	1.6	195.830	96.33458
B 249.678	497.084	ppb	4.3368	0.9	4445.29	19.88337Q
Ba 389.178	5138.97	ppb	44.9920	0.9	89210.6	102.77937
Be 313.042	514.116	ppb	4.6114	0.9	816065	102.82322
Ca 370.602	5049	ppb	47.81	0.9	19397	100.98974
Cd 226.502	510.997	ppb	4.2222	0.8	12172.0	102.19935
Co 228.615	517.469	ppb	4.9532	1.0	4284.25	103.49380
Cr 267.716	5160.97	ppb	41.1705	0.8	86152.4	103.21945
Cu 324.754	5116.57	ppb	63.1067	1.2	185376	102.33139
Fe 271.441	4986.68	ppb	47.7842	1.0	3963.54	99.73354
K 766.491	9839.84	ppb	67.2809	0.7	1203866	98.39841
Mg 279.078	4906.97	ppb	56.2780	1.1	6449.63	98.13941
Mn 257.610	5323.50	ppb	42.9304	0.8	527039	106.47004
Mo 202.032	495.018	ppb	4.8643	1.0	1844.40	99.00352
Na 330.237	7350.22	ppb	221.222	3.0	486.070	98.00289
Ni 231.604	2573.56	ppb	23.2253	0.9	8006.48	102.94231
Pb 220.353	498.482	ppb	2.2529	0.5	439.308	99.69643
Sb 206.834	932.373	ppb	2.3340	0.3	671.803	37.29491Q
Se 196.026	4876.45	ppb	45.3195	0.9	1277.04	97.52895
Sn 189.925	5009.75	ppb	50.9331	1.0	3266.29	100.19496
Sr 216.596	2496.14	ppb	23.1953	0.9	16292.1	99.84561
Ti 334.941	495.415	ppb	4.3412	0.9	107891	99.08306
Tl 190.794	5023.17	ppb	30.0438	0.6	2470.18	100.46341
V 292.401	4939.22	ppb	44.8149	0.9	145327	98.78435
Zn 206.200	2576.63	ppb	24.1481	0.9	8715.23	103.06512

Cont Calib Blank (CCB) **4/16/2013, 6:50:48 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	-0.6308	ppb	0.5673	89.9	-31.1350	-0.63077
Al 308.215	-3.2600	ppb	2.2084	67.7	46.0714	-3.25999
As 188.980	3.0472	ppb	3.5388	116.1	-0.5547	3.04723
B 249.678	-1.2551	ppb	0.5173	41.2	62.1324	-1.25511
Ba 389.178	-1.3922	ppb	0.9315	66.9	-25.5529	-1.39216
Be 313.042	-0.1872	ppb	0.0071	3.8	-158.890	-0.18722
Ca 370.602	-11.59	ppb	2.549	22.0	-79.24	-11.59045
Cd 226.502	-0.8416	ppb	0.0553	6.6	15.1017	-0.84164
Co 228.615	-0.8980	ppb	0.2019	22.5	-11.9802	-0.89798
Cr 267.716	-1.4737	ppb	0.1861	12.6	11.8046	-1.47366
Cu 324.754	-1.2491	ppb	0.1362	10.9	97.5035	-1.24909
Fe 271.441	-1.8272	ppb	5.4294	297.2	-8.5026	-1.82716
K 766.491	-14.5723	ppb	0.2809	1.9	2223.62	-14.57228
Mg 279.078	-6.1062	ppb	4.7534	77.8	22.6522	-6.10620
Mn 257.610	-1.6771	ppb	0.0343	2.0	17.3933	-1.67709
Mo 202.032	-0.7548	ppb	0.2462	32.6	2.1723	-0.75482
Na 330.237	-58.3410	ppb	18.8078	32.2	3.2879	-58.34103
Ni 231.604	-0.2124	ppb	0.6155	289.7	1.7872	-0.21243
Pb 220.353	-2.1726	ppb	0.6890	31.7	-0.3166	-2.17263
Sb 206.834	1.1967	ppb	1.9706	164.7	3.3690	1.19670
Se 196.026	2.9285	ppb	3.2708	111.7	4.2859	2.92846
Sn 189.925	-4.5210	ppb	2.7550	60.9	-1.6479	-4.52103
Sr 216.596	-1.1109	ppb	0.3571	32.1	-2.8940	-1.11086
Ti 334.941	-0.2176	ppb	0.0851	39.1	-55.3335	-0.21758

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	0.0194	ppb	5.1137	26309.4	-2.0905	0.01944
V 292.401	-0.3871	ppb	0.1136	29.4	10.8139	-0.38709
Zn 206.200	-1.3847	ppb	0.2900	20.9	1.4861	-1.38466

640-43053-a-2-a (Samp) **4/16/2013, 6:56:15 PM** **Rack 2, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4262b	ppb	0.3205	22.5	-47.6919
Al 308.215	56.7609b	ppb	4.5751	8.1	231.993
As 188.980	13.8140b	ppb	2.7498	19.9	-5.0663
B 249.678	323.831b	ppb	18.2305	5.6	2910.61
Ba 389.178	1011.12b	ppb	59.1180	5.8	17752.5
Be 313.042	-0.0082b	ppb	0.0204	249.1	150.558
Ca 370.602	277489b	ppb	15110	5.4	1103709
Cd 226.502	-0.2401b	ppb	0.2215	92.3	42.2185
Co 228.615	0.6637b	ppb	1.0635	160.2	1.6647
Cr 267.716	-1.5455b	ppb	0.5810	37.6	13.1147
Cu 324.754	0.0252b	ppb	1.3042	5182.0	-602.521
Fe 271.441	6209.36b	ppb	344.460	5.5	4857.07
K 766.491	33382.0b	ppb	1563.36	4.7	4078780
Mg 279.078	102738b	ppb	5776.86	5.6	135041
Mn 257.610	2366.00b	ppb	136.642	5.8	234606
Mo 202.032	0.7322b	ppb	0.6782	92.6	6.8645
Na 330.237	528182xb	ppb	24498.5	4.6	34546.1
Ni 231.604	4.8624b	ppb	0.8307	17.1	22.1607
Pb 220.353	-1.8082b	ppb	4.0406	223.5	-0.0398
Sb 206.834	3.4257b	ppb	9.8934	288.8	7.7335
Se 196.026	-18.5422b	ppb	18.1227	97.7	2.6040
Sn 189.925	-3.2424b	ppb	2.1893	67.5	-1.7831
Sr 216.596	1595.56b	ppb	91.7413	5.7	10504.7
Ti 334.941	0.1202b	ppb	0.0590	49.1	299.502
Tl 190.794	0.0608b	ppb	4.8373	7955.8	-5.1118
V 292.401	0.8045b	ppb	0.3115	38.7	39.2636
Zn 206.200	111.873b	ppb	6.0937	5.4	389.279

640-43053-a-2-b ms (Samp) **4/16/2013, 7:01:42 PM** **Rack 2, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	15.0585b	ppb	0.4064	2.7	470.170
Al 308.215	5489.98b	ppb	11.7581	0.2	17128.5
As 188.980	117.134b	ppb	0.7533	0.6	37.1358
B 249.678	520.242b	ppb	1.8873	0.4	4629.27
Ba 389.178	1099.53b	ppb	3.6158	0.3	19300.9
Be 313.042	53.9116b	ppb	0.1432	0.3	85462.6
Ca 370.602	278487b	ppb	1207	0.4	1106797
Cd 226.502	51.7208b	ppb	0.6607	1.3	1286.21
Co 228.615	52.2894b	ppb	0.8617	1.6	429.038
Cr 267.716	104.003b	ppb	0.1157	0.1	1772.24
Cu 324.754	109.394b	ppb	1.1012	1.0	3357.57
Fe 271.441	11001.9b	ppb	41.6446	0.4	8614.67
K 766.491	40198.2xb	ppb	87.6888	0.2	4910837

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	106842b	ppb	159.563	0.1	140414
Mn 257.610	2865.67b	ppb	8.6649	0.3	284072
Mo 202.032	101.505b	ppb	1.0395	1.0	382.680
Na 330.237	531483xb	ppb	3376.49	0.6	34759.2
Ni 231.604	106.016b	ppb	1.7595	1.7	337.070
Pb 220.353	46.4410b	ppb	6.3288	13.6	42.0011
Sb 206.834	47.2519b	ppb	1.7044	3.6	38.1062
Se 196.026	94.0035b	ppb	4.1900	4.5	32.0203
Sn 189.925	196.543b	ppb	2.8991	1.5	128.442
Sr 216.596	1672.55b	ppb	5.3411	0.3	11007.1
Ti 334.941	100.020b	ppb	0.3232	0.3	21999.0
Tl 190.794	35.9370b	ppb	12.9801	36.1	12.3834
V 292.401	102.558b	ppb	0.8257	0.8	3011.38
Zn 206.200	199.139b	ppb	0.1770	0.1	684.789

640-43053-a-2-c msd (Samp) **4/16/2013, 7:07:09 PM** **Rack 2, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	15.4269b	ppb	0.4400	2.9	481.350
Al 308.215	5435.19b	ppb	13.1302	0.2	16958.1
As 188.980	123.693b	ppb	7.6704	6.2	40.2193
B 249.678	504.330b	ppb	3.0241	0.6	4489.87
Ba 389.178	1055.79b	ppb	2.8097	0.3	18532.3
Be 313.042	53.3085b	ppb	0.1208	0.2	84507.2
Ca 370.602	265945b	ppb	747.1	0.3	1056915
Cd 226.502	51.1248b	ppb	0.0815	0.2	1271.40
Co 228.615	50.9615b	ppb	0.5384	1.1	418.007
Cr 267.716	103.437b	ppb	0.4496	0.4	1762.71
Cu 324.754	107.318b	ppb	0.5717	0.5	3316.11
Fe 271.441	10685.7b	ppb	9.9930	0.1	8366.90
K 766.491	38346.6b	ppb	98.7714	0.3	4684820
Mg 279.078	102068b	ppb	262.332	0.3	134141
Mn 257.610	2757.84b	ppb	4.6354	0.2	273388
Mo 202.032	101.263b	ppb	0.8709	0.9	381.820
Na 330.237	505590xb	ppb	1229.68	0.2	33066.2
Ni 231.604	104.572b	ppb	2.2133	2.1	332.365
Pb 220.353	46.3433b	ppb	0.7582	1.6	41.9242
Sb 206.834	50.7882b	ppb	7.0891	14.0	40.3866
Se 196.026	86.3018b	ppb	10.1578	11.8	29.8332
Sn 189.925	191.767b	ppb	3.0984	1.6	125.373
Sr 216.596	1599.13b	ppb	2.6553	0.2	10524.0
Ti 334.941	98.9676b	ppb	0.2246	0.2	21757.9
Tl 190.794	27.8019b	ppb	6.4559	23.2	8.5254
V 292.401	101.191b	ppb	0.1873	0.2	2971.56
Zn 206.200	282.520b	ppb	1.5489	0.5	967.122

640-43053-a-3-a (Samp) **4/16/2013, 7:12:37 PM** **Rack 2, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1102b	ppb	0.4157	37.4	-43.2493
Al 308.215	58.9410b	ppb	3.7767	6.4	239.605

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	30.8079b	ppb	8.9267	29.0	-8.2665
B 249.678	214.715b	ppb	0.7957	0.4	1964.02
Ba 389.178	111.487b	ppb	1.8774	1.7	2394.52
Be 313.042	-0.1865b	ppb	0.0039	2.1	-22.6788
Ca 370.602	595222b	ppb	569.6	0.1	2369929
Cd 226.502	-0.3097b	ppb	0.2603	84.0	28.8691
Co 228.615	3.6546b	ppb	0.1979	5.4	25.7897
Cr 267.716	-1.9591b	ppb	0.6287	32.1	6.6038
Cu 324.754	24.9284b	ppb	1.1341	4.5	-559.686
Fe 271.441	76.7519b	ppb	2.8980	3.8	53.2748
K 766.491	29244.6b	ppb	29.0461	0.1	3573945
Mg 279.078	234526b	ppb	434.511	0.2	308290
Mn 257.610	1096.77b	ppb	1.3278	0.1	109337
Mo 202.032	3.4778b	ppb	0.2482	7.1	17.9787
Na 330.237	275638xb	ppb	344.520	0.1	18033.4
Ni 231.604	20.1073b	ppb	1.3881	6.9	74.5398
Pb 220.353	1.4842b	ppb	3.8495	259.4	2.9250
Sb 206.834	-5.8609b	ppb	2.8844	49.2	4.3206
Se 196.026	-6.2283b	ppb	3.8701	62.1	9.9346
Sn 189.925	0.2390b	ppb	5.7497	2405.8	-0.8428
Sr 216.596	2601.17b	ppb	5.9718	0.2	17123.7
Ti 334.941	-1.0146b	ppb	0.1269	12.5	422.434
Tl 190.794	-10.7490b	ppb	5.4752	50.9	-13.3200
V 292.401	1.4276b	ppb	0.2444	17.1	62.0703
Zn 206.200	163.991b	ppb	2.0363	1.2	570.677

640-43053-a-3-aSD^5 (Samp) **4/16/2013, 7:18:04 PM** **Rack 2, Tube 55**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2320	ppb	0.4121	177.6	-18.0368
Al 308.215	39.0553	ppb	2.1251	5.4	177.654
As 188.980	2.5504	ppb	6.4513	253.0	-4.5064
B 249.678	40.1624	ppb	0.6959	1.7	426.831
Ba 389.178	22.6455	ppb	0.4034	1.8	477.290
Be 313.042	-0.1554	ppb	0.0146	9.4	-80.8137
Ca 370.602	117053	ppb	1160	1.0	466027
Cd 226.502	-0.6602	ppb	0.1242	18.8	19.6824
Co 228.615	0.5509	ppb	0.5173	93.9	0.0472
Cr 267.716	-1.0260	ppb	0.4553	44.4	19.7898
Cu 324.754	3.9367	ppb	0.3288	8.4	-30.5554
Fe 271.441	35.5639	ppb	0.3936	1.1	20.8548
K 766.491	4365.47	ppb	116.413	2.7	536901
Mg 279.078	43645.0	ppb	427.419	1.0	57397.2
Mn 257.610	215.589	ppb	2.0038	0.9	21632.9
Mo 202.032	0.1545	ppb	0.4508	291.8	5.5649
Na 330.237	46378.0	ppb	470.271	1.0	3040.27
Ni 231.604	6.4208	ppb	0.6755	10.5	24.1898
Pb 220.353	-2.0223	ppb	5.7189	282.8	-0.1888
Sb 206.834	-1.7053	ppb	1.9834	116.3	2.5356
Se 196.026	-7.1556	ppb	10.1484	141.8	3.2203
Sn 189.925	-6.0953	ppb	1.2008	19.7	-3.1275
Sr 216.596	515.373	ppb	4.8792	0.9	3396.14
Ti 334.941	-0.0188	ppb	0.0483	256.8	116.183

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-2.2668	ppb	7.6014	335.3	-4.3808
V 292.401	0.4435	ppb	0.3889	87.7	35.0105
Zn 206.200	113.125	ppb	0.1455	0.1	391.121

640-43053-a-3-aPDS (Samp) **4/16/2013, 7:23:31 PM** **Rack 2, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	59.5639b	ppb	0.3590	0.6	1859.20
Al 308.215	2497.58b	ppb	13.1006	0.5	7863.62
As 188.980	2429.09b	ppb	10.5941	0.4	972.196
B 249.678	1349.87b	ppb	7.2367	0.5	11964.9
Ba 389.178	2414.44b	ppb	12.0451	0.5	42362.6
Be 313.042	56.8772b	ppb	0.2491	0.4	90489.8
Ca 370.602	589338b	ppb	1866	0.3	2346437
Cd 226.502	56.1770b	ppb	0.2381	0.4	1371.93
Co 228.615	568.798b	ppb	3.4953	0.6	4713.98
Cr 267.716	229.912b	ppb	1.1899	0.5	3874.25
Cu 324.754	332.446b	ppb	1.0820	0.3	10585.7
Fe 271.441	1173.11b	ppb	8.0952	0.7	944.701
K 766.491	36543.5b	ppb	138.710	0.4	4464356
Mg 279.078	235906b	ppb	835.179	0.4	310098
Mn 257.610	1666.12b	ppb	6.9729	0.4	165699
Mo 202.032	569.573b	ppb	4.3759	0.8	2132.37
Na 330.237	276619xb	ppb	1168.17	0.4	18090.1
Ni 231.604	570.196b	ppb	2.8769	0.5	1785.62
Pb 220.353	538.633b	ppb	7.5618	1.4	479.721
Sb 206.834	554.630b	ppb	1.7611	0.3	381.839
Se 196.026	2335.29b	ppb	17.4897	0.7	621.013
Sn 189.925	1109.04b	ppb	7.6588	0.7	722.080
Sr 216.596	3114.03b	ppb	11.4334	0.4	20460.8
Ti 334.941	1108.95b	ppb	4.2911	0.4	241441
Tl 190.794	2152.76b	ppb	18.0376	0.8	1050.66
V 292.401	556.267b	ppb	2.2164	0.4	16290.4
Zn 206.200	789.541b	ppb	4.4069	0.6	2689.33

640-43053-a-4-a (Samp) **4/16/2013, 7:28:58 PM** **Rack 2, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3291b	ppb	0.3940	29.6	-41.2258
Al 308.215	58.3470b	ppb	4.9214	8.4	237.740
As 188.980	24.4589b	ppb	10.1397	41.5	-8.4816
B 249.678	178.479b	ppb	11.9150	6.7	1644.95
Ba 389.178	442.138b	ppb	31.2300	7.1	8058.04
Be 313.042	-0.1718b	ppb	0.0230	13.4	-9.3524
Ca 370.602	520901b	ppb	35063	6.7	2074069
Cd 226.502	-0.1305b	ppb	0.1436	110.1	33.1768
Co 228.615	5.0717b	ppb	0.5219	10.3	37.7319
Cr 267.716	-1.5606b	ppb	0.4053	26.0	15.1108
Cu 324.754	3.1716b	ppb	2.0691	65.2	-1147.92
Fe 271.441	70.9146b	ppb	4.0548	5.7	48.7897
K 766.491	19203.4b	ppb	1074.16	5.6	2348105

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	196932b	ppb	13078.7	6.6	258873
Mn 257.610	3059.76b	ppb	206.193	6.7	303503
Mo 202.032	2.3371b	ppb	0.9855	42.2	13.7158
Na 330.237	164538xb	ppb	11537.9	7.0	10767.6
Ni 231.604	14.2148b	ppb	0.9278	6.5	54.6917
Pb 220.353	2.3586b	ppb	3.8967	165.2	3.7040
Sb 206.834	-3.8401b	ppb	5.2708	137.3	4.9707
Se 196.026	-19.3302b	ppb	22.4665	116.2	5.8415
Sn 189.925	3.9493b	ppb	1.4596	37.0	1.8427
Sr 216.596	1994.34b	ppb	133.872	6.7	13133.0
Ti 334.941	-0.1962b	ppb	0.2023	103.1	522.889
Tl 190.794	-5.8485b	ppb	10.2914	176.0	-10.1670
V 292.401	1.6343b	ppb	0.0388	2.4	64.7018
Zn 206.200	112.377b	ppb	8.4223	7.5	394.377

640-43053-a-5-a (Samp) **4/16/2013, 7:34:26 PM** **Rack 2, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1989b	ppb	0.1636	13.6	-47.3935
Al 308.215	59.5095b	ppb	6.7024	11.3	239.875
As 188.980	14.0309b	ppb	5.1598	36.8	-1.8752
B 249.678	467.571b	ppb	1.4455	0.3	4162.01
Ba 389.178	521.066b	ppb	2.0551	0.4	9202.33
Be 313.042	-0.0839b	ppb	0.0101	12.0	12.8055
Ca 370.602	179722b	ppb	144.2	0.1	713218
Cd 226.502	-0.6344b	ppb	0.2871	45.3	46.5770
Co 228.615	0.6124b	ppb	0.4090	66.8	1.0759
Cr 267.716	-0.6143b	ppb	0.6493	105.7	23.0646
Cu 324.754	1.5580b	ppb	0.4558	29.3	-279.715
Fe 271.441	12385.8b	ppb	20.4953	0.2	9695.37
K 766.491	21013.3b	ppb	33.6100	0.2	2569021
Mg 279.078	75281.1b	ppb	149.321	0.2	98928.8
Mn 257.610	1013.33b	ppb	1.0383	0.1	100676
Mo 202.032	0.3948b	ppb	0.6892	174.6	4.7367
Na 330.237	453632xb	ppb	1416.89	0.3	29667.8
Ni 231.604	5.2751b	ppb	0.9920	18.8	22.7042
Pb 220.353	-0.9875b	ppb	1.9175	194.2	0.6538
Sb 206.834	4.0819b	ppb	9.8799	242.0	7.4007
Se 196.026	10.9637b	ppb	3.4492	31.5	8.7134
Sn 189.925	-3.9383b	ppb	6.3219	160.5	-1.8652
Sr 216.596	973.374b	ppb	3.0068	0.3	6414.89
Ti 334.941	1.4054b	ppb	0.0380	2.7	473.907
Tl 190.794	-4.1875b	ppb	4.4725	106.8	-6.4883
V 292.401	2.4875b	ppb	0.1934	7.8	93.3931
Zn 206.200	99.6887b	ppb	0.8786	0.9	347.109

640-43072-a-1-a (Samp) **4/16/2013, 7:39:53 PM** **Rack 2, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1351b	ppb	0.1320	4.2	-108.437
Al 308.215	71.1796b	ppb	2.2141	3.1	277.702

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	104.437b	ppb	4.4042	4.2	-10.8567
B 249.678	1627.61b	ppb	2.1182	0.1	14407.0
Ba 389.178	117.173b	ppb	1.2630	1.1	2755.28
Be 313.042	-0.2637b	ppb	0.0083	3.1	-43.8536
Ca 370.602	1616378xb	ppb	4117	0.3	6435769
Cd 226.502	0.6857b	ppb	0.1129	16.5	47.0934
Co 228.615	3.4138b	ppb	0.4476	13.1	23.9673
Cr 267.716	-3.0490b	ppb	0.6569	21.5	-0.3639
Cu 324.754	31.6424b	ppb	1.3773	4.4	-3090.37
Fe 271.441	83.1471b	ppb	12.5905	15.1	58.2953
K 766.491	186567xb	ppb	319.825	0.2	22778714
Mg 279.078	368283b	ppb	312.511	0.1	484101
Mn 257.610	1060.91b	ppb	1.7371	0.2	106136
Mo 202.032	2.6560b	ppb	0.9708	36.6	14.9032
Na 330.237	2281797xb	ppb	3966.43	0.2	149231
Ni 231.604	11.9426b	ppb	1.8669	15.6	54.5894
Pb 220.353	-4.9622b	ppb	2.5796	52.0	-2.8134
Sb 206.834	-10.0328b	ppb	5.9826	59.6	11.3565
Se 196.026	-42.2225b	ppb	9.9065	23.5	12.4218
Sn 189.925	7.9924b	ppb	0.7156	9.0	0.6576
Sr 216.596	24943.0xb	ppb	60.1606	0.2	163980
Ti 334.941	-1.8813b	ppb	0.0858	4.6	1256.69
Tl 190.794	-12.6232b	ppb	5.3487	42.4	-24.4330
V 292.401	3.4847b	ppb	0.2920	8.4	109.435
Zn 206.200	158.059b	ppb	1.8843	1.2	555.603

640-43072-a-2-a (Samp) **4/16/2013, 7:45:21 PM** **Rack 2, Tube 60**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3288b	ppb	0.3280	24.7	-50.8331
Al 308.215	307.201b	ppb	2.6107	0.8	1011.66
As 188.980	19.7399b	ppb	1.8312	9.3	2.0607
B 249.678	2814.22b	ppb	59.6826	2.1	24854.3
Ba 389.178	211.518b	ppb	4.5229	2.1	4309.14
Be 313.042	0.0503b	ppb	0.0086	17.0	-1.4366
Ca 370.602	131254b	ppb	2652	2.0	522391
Cd 226.502	0.2995b	ppb	0.3398	113.5	38.4571
Co 228.615	4.8934b	ppb	0.3682	7.5	36.0828
Cr 267.716	46.1624b	ppb	1.0847	2.3	823.024
Cu 324.754	9.3478b	ppb	0.2523	2.7	148.263
Fe 271.441	1109.31b	ppb	20.3958	1.8	862.131
K 766.491	131940xb	ppb	2316.91	1.8	16110205
Mg 279.078	324443b	ppb	6793.28	2.1	426473
Mn 257.610	1082.35b	ppb	23.1830	2.1	108139
Mo 202.032	13.4115b	ppb	0.7290	5.4	54.9565
Na 330.237	2724149xb	ppb	47395.3	1.7	178159
Ni 231.604	68.7342b	ppb	1.9872	2.9	229.483
Pb 220.353	4.6620b	ppb	0.8195	17.6	5.6586
Sb 206.834	9.5611b	ppb	3.3138	34.7	10.7850
Se 196.026	-2.4831b	ppb	5.3352	214.9	6.3652
Sn 189.925	-7.1051b	ppb	4.0400	56.9	-3.1635
Sr 216.596	1921.04b	ppb	37.8378	2.0	12631.1
Ti 334.941	4.8039b	ppb	0.2003	4.2	1045.31

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-1.5974b	ppb	1.3882	86.9	-4.2450
V 292.401	5.0403b	ppb	0.0839	1.7	145.646
Zn 206.200	180.621b	ppb	3.8705	2.1	630.251

Cont Calib Verif (CCV) **4/16/2013, 7:50:49 PM** **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	490.870	ppb	1.6830	0.3	15386.6	98.17404
Al 308.215	4845.57	ppb	8.4874	0.2	15396.1	96.91145
As 188.980	477.725	ppb	9.8682	2.1	194.202	95.54492
B 249.678	497.489	ppb	1.5486	0.3	4448.95	19.89956Q
Ba 389.178	5072.18	ppb	11.7274	0.2	88051.1	101.44357
Be 313.042	508.012	ppb	1.0578	0.2	806374	101.60237
Ca 370.602	4995	ppb	6.223	0.1	19187	99.89366
Cd 226.502	504.298	ppb	1.2237	0.2	12012.9	100.85963
Co 228.615	512.084	ppb	1.7890	0.3	4239.64	102.41679
Cr 267.716	5098.37	ppb	11.3866	0.2	85107.8	101.96738
Cu 324.754	5074.14	ppb	35.9266	0.7	183841	101.48286
Fe 271.441	4927.43	ppb	15.3691	0.3	3916.34	98.54868
K 766.491	9733.22	ppb	13.7636	0.1	1190868	97.33223
Mg 279.078	4847.37	ppb	10.7335	0.2	6371.68	96.94733
Mn 257.610	5258.06	ppb	10.6373	0.2	520563	105.16121
Mo 202.032	488.060	ppb	2.0022	0.4	1818.53	97.61197
Na 330.237	7342.48	ppb	204.700	2.8	485.592	97.89974
Ni 231.604	2556.09	ppb	4.7546	0.2	7952.13	102.24361
Pb 220.353	497.341	ppb	3.8720	0.8	438.375	99.46810
Sb 206.834	916.358	ppb	3.4458	0.4	660.471	36.65433Q
Se 196.026	4819.75	ppb	11.0615	0.2	1262.24	96.39499
Sn 189.925	4949.92	ppb	12.3425	0.2	3227.30	98.99841
Sr 216.596	2464.98	ppb	3.3163	0.1	16088.2	98.59904
Ti 334.941	489.097	ppb	1.4356	0.3	106515	97.81945
Tl 190.794	4956.81	ppb	12.4773	0.3	2437.53	99.13628
V 292.401	4874.75	ppb	10.5039	0.2	143431	97.49505
Zn 206.200	2546.39	ppb	8.6096	0.3	8613.06	101.85558

Cont Calib Blank (CCB) **4/16/2013, 7:56:17 PM** **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	-0.8432	ppb	0.5355	63.5	-37.8025	-0.84323
Al 308.215	-4.9121	ppb	1.9430	39.6	40.9206	-4.91214
As 188.980	1.3305	ppb	2.6533	199.4	-1.2563	1.33055
B 249.678	1.5341	ppb	0.7541	49.2	86.6736	1.53408
Ba 389.178	-1.4526	ppb	0.5916	40.7	-26.5965	-1.45261
Be 313.042	-0.2059	ppb	0.0095	4.6	-188.360	-0.20585
Ca 370.602	-13.56	ppb	2.101	15.5	-88.68	-13.55772
Cd 226.502	-0.9112	ppb	0.2448	26.9	13.4696	-0.91121
Co 228.615	-0.8534	ppb	0.1125	13.2	-11.6042	-0.85341
Cr 267.716	-1.2999	ppb	0.0996	7.7	14.7008	-1.29990
Cu 324.754	-1.5922	ppb	0.0892	5.6	85.0800	-1.59224
Fe 271.441	5.9111	ppb	5.4690	92.5	-2.4558	5.91113
K 766.491	-13.9290	ppb	0.2861	2.1	2302.17	-13.92900

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-4.6661	ppb	4.7762	102.4	24.5114	-4.66613
Mn 257.610	-1.7283	ppb	0.0325	1.9	12.3359	-1.72826
Mo 202.032	-1.1713	ppb	0.3419	29.2	0.6147	-1.17131
Na 330.237	-94.5793	ppb	56.7598	60.0	0.9136	-94.57928
Ni 231.604	-0.5110	ppb	0.2707	53.0	0.8600	-0.51104
Pb 220.353	1.8443	ppb	1.3899	75.4	3.2605	1.84427
Sb 206.834	-0.0968	ppb	4.0834	4216.8	2.4860	-0.09684
Se 196.026	-9.8060	ppb	8.0920	82.5	0.9625	-9.80596
Sn 189.925	-3.4962	ppb	1.8707	53.5	-0.9800	-3.49619
Sr 216.596	-2.2210	ppb	0.4784	21.5	-10.1630	-2.22097
Ti 334.941	-0.2234	ppb	0.0471	21.1	-56.5953	-0.22337
Tl 190.794	0.8597	ppb	3.0227	351.6	-1.6784	0.85971
V 292.401	-0.4288	ppb	0.4334	101.1	9.6917	-0.42884
Zn 206.200	-1.6430	ppb	0.1683	10.2	0.6112	-1.64298

640-43072-a-3-a^10 (Samp) **4/16/2013, 8:01:45 PM** **Rack 3, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9053b	ppb	0.4054	44.8	-40.8233
Al 308.215	31.6035b	ppb	2.3936	7.6	154.635
As 188.980	6.8167b	ppb	10.6493	156.2	-6.4449
B 249.678	208.553b	ppb	7.9608	3.8	1909.70
Ba 389.178	18.5801b	ppb	2.4863	13.4	1096.32
Be 313.042	-0.1728b	ppb	0.0041	2.4	-95.7801
Ca 370.602	232091b	ppb	9152	3.9	924064
Cd 226.502	-0.3096b	ppb	0.1181	38.1	30.6150
Co 228.615	1.2566b	ppb	0.9069	72.2	5.8062
Cr 267.716	-0.6428b	ppb	0.3525	54.8	26.8027
Cu 324.754	-0.0020b	ppb	0.4214	21122.4	-461.005
Fe 271.441	56.5578b	ppb	14.7337	26.1	37.3327
K 766.491	22449.6b	ppb	892.688	4.0	2744469
Mg 279.078	394736b	ppb	16853.4	4.3	518872
Mn 257.610	356.864b	ppb	14.5214	4.1	36527.4
Mo 202.032	5.9920b	ppb	1.0042	16.8	27.3793
Na 330.237	122652xb	ppb	4656.44	3.8	8028.38
Ni 231.604	7.3381b	ppb	1.6855	23.0	41.3772
Pb 220.353	2.3623b	ppb	3.1658	134.0	3.7041
Sb 206.834	3.4539b	ppb	1.6915	49.0	7.1363
Se 196.026	-16.1748b	ppb	11.6439	72.0	4.1821
Sn 189.925	-4.3361b	ppb	1.2474	28.8	-2.4191
Sr 216.596	1131.79b	ppb	45.1842	4.0	7451.69
Ti 334.941	-0.4153b	ppb	0.0593	14.3	165.834
Tl 190.794	-4.8734b	ppb	2.8503	58.5	-6.8176
V 292.401	-0.1478b	ppb	0.3066	207.5	19.4485
Zn 206.200	86.5627b	ppb	2.8391	3.3	314.343

640-43072-a-4-a (Samp) **4/16/2013, 8:07:13 PM** **Rack 3, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0299b	ppb	0.3897	19.2	-63.2047
Al 308.215	55.1694b	ppb	3.6157	6.6	227.842

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	36.8429b	ppb	7.9837	21.7	0.6986
B 249.678	2311.95b	ppb	50.2600	2.2	20433.7
Ba 389.178	26.6548b	ppb	3.1616	11.9	1551.09
Be 313.042	0.0212b	ppb	0.0033	15.7	-29.1316
Ca 370.602	392188b	ppb	7204	1.8	1561604
Cd 226.502	0.1093b	ppb	0.1991	182.2	31.8033
Co 228.615	5.9435b	ppb	0.1690	2.8	44.8221
Cr 267.716	-2.2092b	ppb	0.2026	9.2	22.1949
Cu 324.754	4.3446b	ppb	0.7666	17.6	-728.263
Fe 271.441	60.8057b	ppb	4.5445	7.5	40.8981
K 766.491	176427xb	ppb	3221.10	1.8	21540942
Mg 279.078	555609b	ppb	9684.05	1.7	730318
Mn 257.610	3557.88b	ppb	68.4401	1.9	353722
Mo 202.032	1.7095b	ppb	0.7906	46.2	11.3715
Na 330.237	3233432xb	ppb	67189.1	2.1	211465
Ni 231.604	19.4692b	ppb	0.7640	3.9	85.6247
Pb 220.353	1.4633b	ppb	2.5190	172.1	2.9082
Sb 206.834	0.8251b	ppb	2.2113	268.0	6.9132
Se 196.026	-12.5399b	ppb	7.3851	58.9	8.3787
Sn 189.925	-8.8439b	ppb	6.5718	74.3	-5.2065
Sr 216.596	4322.09b	ppb	83.1965	1.9	28422.3
Ti 334.941	0.3303b	ppb	0.0567	17.2	339.682
Tl 190.794	-13.7117b	ppb	2.7699	20.2	-12.7403
V 292.401	2.3000b	ppb	0.2682	11.7	64.3957
Zn 206.200	85.0556b	ppb	2.7815	3.3	315.272

640-43072-a-5-a (Samp) **4/16/2013, 8:12:41 PM** **Rack 3, Tube 5**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6734b	ppb	0.4859	29.0	-62.3330
Al 308.215	41.2445b	ppb	4.1364	10.0	184.488
As 188.980	12.1414b	ppb	1.4866	12.2	-3.9207
B 249.678	2211.27b	ppb	0.4744	0.0	19545.7
Ba 389.178	173.572b	ppb	0.9406	0.5	3684.87
Be 313.042	0.0069b	ppb	0.0078	113.9	-47.6903
Ca 370.602	221071b	ppb	398.9	0.2	880105
Cd 226.502	-0.1126b	ppb	0.1115	98.9	27.5675
Co 228.615	3.5610b	ppb	0.2185	6.1	25.1264
Cr 267.716	-2.1514b	ppb	0.1182	5.5	16.7165
Cu 324.754	1.3326b	ppb	0.1118	8.4	-386.154
Fe 271.441	573.736b	ppb	6.7268	1.2	442.583
K 766.491	134252xb	ppb	45.7805	0.0	16392445
Mg 279.078	343223b	ppb	1141.31	0.3	451160
Mn 257.610	895.582b	ppb	1.1909	0.1	89701.6
Mo 202.032	3.0839b	ppb	0.5150	16.7	16.4373
Na 330.237	2738385xb	ppb	12401.6	0.5	179091
Ni 231.604	16.8427b	ppb	1.8487	11.0	68.8508
Pb 220.353	1.2100b	ppb	4.5146	373.1	2.6806
Sb 206.834	3.7432b	ppb	6.2429	166.8	7.2554
Se 196.026	-2.5437b	ppb	4.4157	173.6	7.4063
Sn 189.925	-7.7424b	ppb	3.9621	51.2	-3.9333
Sr 216.596	4544.97b	ppb	6.2331	0.1	29879.2
Ti 334.941	0.5626b	ppb	0.0680	12.1	220.534

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-2.1852b	ppb	13.1841	603.3	-5.3998
V 292.401	1.6859b	ppb	0.1337	7.9	52.7879
Zn 206.200	160.310b	ppb	1.2496	0.8	562.291

640-43072-a-6-a^10 (Samp) **4/16/2013, 8:18:09 PM** **Rack 3, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8823b	ppb	0.1540	17.5	-34.4863
Al 308.215	44.2460b	ppb	2.6921	6.1	193.740
As 188.980	7.4215b	ppb	6.5342	88.0	-1.9540
B 249.678	188.896b	ppb	0.1743	0.1	1736.52
Ba 389.178	7.2596b	ppb	1.2301	16.9	394.546
Be 313.042	-0.1556b	ppb	0.0007	0.4	-119.691
Ca 370.602	99462b	ppb	175.3	0.2	396001
Cd 226.502	-0.4053b	ppb	0.2702	66.7	25.6619
Co 228.615	1.4964b	ppb	0.6178	41.3	7.9033
Cr 267.716	0.1240b	ppb	0.2234	180.3	42.0555
Cu 324.754	1.6499b	ppb	0.0397	2.4	-58.4935
Fe 271.441	130.136b	ppb	6.3768	4.9	94.9610
K 766.491	46414.8xb	ppb	123.063	0.3	5669998
Mg 279.078	137085b	ppb	200.074	0.1	180213
Mn 257.610	1256.25b	ppb	2.6743	0.2	124864
Mo 202.032	-0.1989b	ppb	1.8228	916.4	4.2324
Na 330.237	365861xb	ppb	863.684	0.2	23933.7
Ni 231.604	11.3160b	ppb	0.8689	7.7	43.2441
Pb 220.353	-1.2949b	ppb	1.0167	78.5	0.4564
Sb 206.834	0.9073b	ppb	3.7115	409.1	4.1516
Se 196.026	-9.7716b	ppb	6.9831	71.5	3.0756
Sn 189.925	-3.9844b	ppb	2.6212	65.8	-1.6009
Sr 216.596	1439.91b	ppb	5.2142	0.4	9470.27
Ti 334.941	0.2295b	ppb	0.0281	12.2	136.666
Tl 190.794	-1.5578b	ppb	4.9781	319.6	-3.8606
V 292.401	-0.0946b	ppb	0.1703	180.0	15.6761
Zn 206.200	129.355b	ppb	0.9016	0.7	449.638

640-43072-a-7-a (Samp) **4/16/2013, 8:23:37 PM** **Rack 3, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6020b	ppb	0.0894	5.6	-60.1500
Al 308.215	44.2105b	ppb	3.3815	7.6	193.784
As 188.980	17.0299b	ppb	7.3565	43.2	-1.7959
B 249.678	2177.92b	ppb	1.6424	0.1	19252.0
Ba 389.178	171.057b	ppb	0.9548	0.6	3639.54
Be 313.042	0.0748b	ppb	0.0093	12.5	62.2642
Ca 370.602	217103b	ppb	810.2	0.4	864302
Cd 226.502	-0.2184b	ppb	0.1301	59.6	25.1839
Co 228.615	3.3560b	ppb	0.5802	17.3	23.4119
Cr 267.716	-1.8112b	ppb	0.2638	14.6	22.1783
Cu 324.754	1.9642b	ppb	0.2231	11.4	-352.520
Fe 271.441	584.109b	ppb	6.0186	1.0	450.695
K 766.491	132004xb	ppb	257.218	0.2	16118045

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	341840b	ppb	1516.76	0.4	449342
Mn 257.610	881.508b	ppb	0.7529	0.1	88306.5
Mo 202.032	2.9021b	ppb	0.2265	7.8	15.7542
Na 330.237	2705467xb	ppb	899.594	0.0	176938
Ni 231.604	18.8338b	ppb	2.2244	11.8	75.0057
Pb 220.353	1.5473b	ppb	3.5911	232.1	2.9784
Sb 206.834	-1.6563b	ppb	4.9462	298.6	3.5408
Se 196.026	-2.8916b	ppb	10.3508	358.0	7.2645
Sn 189.925	-3.8638b	ppb	2.0693	53.6	-1.3981
Sr 216.596	4489.09b	ppb	4.4116	0.1	29511.8
Ti 334.941	0.8207b	ppb	0.0297	3.6	274.015
Tl 190.794	-3.9506b	ppb	4.8551	122.9	-6.2281
V 292.401	2.6197b	ppb	0.2649	10.1	80.3549
Zn 206.200	126.458b	ppb	0.9964	0.8	447.555

640-43072-a-8-a (Samp) **4/16/2013, 8:29:05 PM** **Rack 3, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6063b	ppb	0.4987	31.0	-50.7275
Al 308.215	58.8932b	ppb	1.5553	2.6	239.409
As 188.980	20.0810b	ppb	2.9072	14.5	-6.2415
B 249.678	2301.68b	ppb	3.5920	0.2	20343.2
Ba 389.178	42.2362b	ppb	0.7445	1.8	1868.87
Be 313.042	0.0443b	ppb	0.0051	11.4	14.2114
Ca 370.602	394973b	ppb	922.9	0.2	1572681
Cd 226.502	-0.0664b	ppb	0.5673	855.0	28.1819
Co 228.615	5.7908b	ppb	0.8425	14.5	43.5763
Cr 267.716	-0.2875b	ppb	0.5264	183.1	53.5860
Cu 324.754	7.7505b	ppb	0.6801	8.8	-610.736
Fe 271.441	94.5983b	ppb	11.7872	12.5	67.3389
K 766.491	193676xb	ppb	452.275	0.2	23646574
Mg 279.078	578726b	ppb	1989.76	0.3	760704
Mn 257.610	3416.78b	ppb	7.7127	0.2	339821
Mo 202.032	2.5049b	ppb	0.6943	27.7	14.3398
Na 330.237	3146966xb	ppb	10255.2	0.3	205811
Ni 231.604	20.7406b	ppb	1.9888	9.6	90.5701
Pb 220.353	1.0666b	ppb	1.5499	145.3	2.5516
Sb 206.834	6.5081b	ppb	6.9491	106.8	10.8229
Se 196.026	-17.0291b	ppb	10.0046	58.8	7.3512
Sn 189.925	-0.6415b	ppb	7.3174	1140.7	0.1059
Sr 216.596	5792.94b	ppb	11.4808	0.2	38087.3
Ti 334.941	0.2141b	ppb	0.0438	20.4	323.368
Tl 190.794	-5.9622b	ppb	9.2458	155.1	-8.9660
V 292.401	2.0660b	ppb	0.2463	11.9	58.5683
Zn 206.200	97.0235b	ppb	0.9781	1.0	356.719

640-43072-a-9-a (Samp) **4/16/2013, 8:34:33 PM** **Rack 3, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6090b	ppb	0.1875	11.7	-62.1629
Al 308.215	115.701b	ppb	3.8265	3.3	415.037

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	7.7941b	ppb	11.2731	144.6	-2.9302
B 249.678	2634.87b	ppb	11.3367	0.4	23259.6
Ba 389.178	405.747b	ppb	2.8849	0.7	7688.02
Be 313.042	0.0534b	ppb	0.0028	5.3	-20.4923
Ca 370.602	133679b	ppb	281.8	0.2	530791
Cd 226.502	-0.3555b	ppb	0.0693	19.5	36.4955
Co 228.615	0.8462b	ppb	0.9940	117.5	2.9487
Cr 267.716	-0.5925b	ppb	0.1734	29.3	40.0226
Cu 324.754	10.6020b	ppb	0.4093	3.9	189.642
Fe 271.441	7641.00b	ppb	22.7300	0.3	5978.52
K 766.491	134854xb	ppb	367.381	0.3	16465964
Mg 279.078	325449b	ppb	652.497	0.2	427770
Mn 257.610	738.916b	ppb	2.3447	0.3	74159.7
Mo 202.032	0.2708b	ppb	2.0356	751.6	4.9400
Na 330.237	2991387xb	ppb	8349.25	0.3	195633
Ni 231.604	8.2399b	ppb	1.8390	22.3	41.8547
Pb 220.353	-2.8796b	ppb	0.8640	30.0	-1.0098
Sb 206.834	2.6834b	ppb	2.2059	82.2	5.8893
Se 196.026	-6.4695b	ppb	13.2146	204.3	5.1632
Sn 189.925	-9.8921b	ppb	4.8349	48.9	-4.9210
Sr 216.596	1908.97b	ppb	7.7574	0.4	12557.9
Ti 334.941	2.6112b	ppb	0.3229	12.4	554.638
Tl 190.794	-6.9184b	ppb	3.7242	53.8	-7.1641
V 292.401	1.5992b	ppb	0.3210	20.1	50.3040
Zn 206.200	118.979b	ppb	0.2252	0.2	421.781

640-43073-a-1-a (Samp) **4/16/2013, 8:40:01 PM** **Rack 3, Tube 10**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8511b	ppb	0.0860	10.1	-38.0794
Al 308.215	52.1163b	ppb	4.3067	8.3	217.133
As 188.980	9.2930b	ppb	8.6346	92.9	-2.1047
B 249.678	746.757b	ppb	24.2253	3.2	6626.48
Ba 389.178	507.851b	ppb	13.4861	2.7	8986.90
Be 313.042	-0.0694b	ppb	0.0129	18.6	-4.8280
Ca 370.602	126742b	ppb	3536	2.8	502733
Cd 226.502	-0.5939b	ppb	0.2851	48.0	41.2335
Co 228.615	0.1185b	ppb	0.8701	734.2	-3.0378
Cr 267.716	-1.2140b	ppb	0.4649	38.3	15.3897
Cu 324.754	0.0135b	ppb	0.5447	4035.0	-191.730
Fe 271.441	9923.29b	ppb	343.562	3.5	7766.33
K 766.491	44829.2xb	ppb	1139.19	2.5	5476306
Mg 279.078	83485.4b	ppb	2414.20	2.9	109723
Mn 257.610	551.046b	ppb	15.1883	2.8	54945.3
Mo 202.032	-0.0113b	ppb	1.6499	14540.6	3.5666
Na 330.237	725933xb	ppb	20406.1	2.8	47476.8
Ni 231.604	4.2187b	ppb	0.8537	20.2	19.6140
Pb 220.353	-1.1066b	ppb	2.0257	183.1	0.5647
Sb 206.834	-4.1076b	ppb	1.7210	41.9	1.2597
Se 196.026	3.6734b	ppb	3.6003	98.0	6.2499
Sn 189.925	-4.3794b	ppb	2.6837	61.3	-1.8735
Sr 216.596	850.700b	ppb	24.2671	2.9	5605.12
Ti 334.941	2.0344b	ppb	0.0752	3.7	537.236

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-3.2751b	ppb	10.3187	315.1	-5.4043
V 292.401	1.6882b	ppb	0.1351	8.0	68.3811
Zn 206.200	80.6560b	ppb	3.4805	4.3	282.879

680-89178-a-10-a (Samp) **4/16/2013, 8:45:29 PM** **Rack 3, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2338	ppb	0.2167	92.7	-18.6895
Al 308.215	32.0158	ppb	4.3594	13.6	155.706
As 188.980	1.3225	ppb	4.7628	360.1	-1.2648
B 249.678	2.0095	ppb	0.5457	27.2	90.7827
Ba 389.178	-1.2524	ppb	0.9617	76.8	-22.8325
Be 313.042	-0.1829	ppb	0.0003	0.2	-151.981
Ca 370.602	149.2	ppb	2.881	1.9	551.9
Cd 226.502	-0.8321	ppb	0.1873	22.5	15.4337
Co 228.615	-0.5842	ppb	0.6445	110.3	-9.3614
Cr 267.716	-1.1517	ppb	0.6141	53.3	17.1568
Cu 324.754	-1.0399	ppb	0.1135	10.9	104.653
Fe 271.441	45.1919	ppb	2.8352	6.3	28.3369
K 766.491	20.6950	ppb	0.1010	0.5	6528.78
Mg 279.078	114.121	ppb	2.8035	2.5	180.488
Mn 257.610	-0.3452	ppb	0.0368	10.7	149.579
Mo 202.032	-1.1606	ppb	0.8359	72.0	0.6497
Na 330.237	712.438	ppb	39.2531	5.5	53.8026
Ni 231.604	-1.3472	ppb	0.2567	19.1	-1.7326
Pb 220.353	-0.5380	ppb	3.4930	649.3	1.1354
Sb 206.834	0.0531	ppb	2.3095	4349.7	2.5987
Se 196.026	5.6743	ppb	3.0615	54.0	5.0043
Sn 189.925	-3.8335	ppb	2.6530	69.2	-1.2001
Sr 216.596	-0.3469	ppb	0.5067	146.1	2.2200
Ti 334.941	0.2055	ppb	0.0244	11.9	36.6976
Tl 190.794	1.5403	ppb	2.3116	150.1	-1.3463
V 292.401	-0.3107	ppb	0.3190	102.7	13.2448
Zn 206.200	80.0079	ppb	0.3273	0.4	277.272

680-89188-c-1-a (Samp) **4/16/2013, 8:50:57 PM** **Rack 3, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4778	ppb	0.4741	99.2	-26.2326
Al 308.215	233.257	ppb	0.8626	0.4	781.250
As 188.980	0.8543	ppb	2.6660	312.1	-1.5706
B 249.678	22.0238	ppb	0.7766	3.5	267.053
Ba 389.178	179.940	ppb	0.5989	0.3	3126.00
Be 313.042	0.0159	ppb	0.0053	33.5	162.101
Ca 370.602	3697	ppb	10.96	0.3	14676
Cd 226.502	-0.8959	ppb	0.1613	18.0	13.9372
Co 228.615	1.0950	ppb	0.2268	20.7	4.6533
Cr 267.716	-1.1436	ppb	0.3506	30.7	17.3944
Cu 324.754	-0.1597	ppb	0.1686	105.6	127.081
Fe 271.441	56.1764	ppb	6.7149	12.0	37.0179
K 766.491	2254.79	ppb	5.2047	0.2	279206

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	2620.27	ppb	6.6369	0.3	3474.48
Mn 257.610	29.7071	ppb	0.1021	0.3	3130.19
Mo 202.032	-0.3497	ppb	0.6932	198.2	3.6817
Na 330.237	12750.8	ppb	149.738	1.2	841.085
Ni 231.604	2.6488	ppb	1.2375	46.7	10.7927
Pb 220.353	-1.1142	ppb	1.4809	132.9	0.5989
Sb 206.834	-1.5959	ppb	2.8352	177.7	1.5112
Se 196.026	-3.3091	ppb	3.9731	120.1	2.7190
Sn 189.925	-3.9349	ppb	2.2883	58.2	-1.2773
Sr 216.596	33.2911	ppb	0.0901	0.3	223.272
Ti 334.941	0.0222	ppb	0.0249	111.8	0.2428
Tl 190.794	0.9155	ppb	2.2036	240.7	-1.6885
V 292.401	-0.4516	ppb	0.0208	4.6	9.0075
Zn 206.200	84.1280	ppb	0.3039	0.4	291.327

Cont Calib Verif (CCV) **4/16/2013, 8:56:25 PM** **Rack 3, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.293	ppb	6.3412	1.3	15431.2	98.45858
Al 308.215	4833.44	ppb	48.6809	1.0	15357.9	96.66877
As 188.980	480.528	ppb	6.8734	1.4	195.348	96.10561
B 249.678	492.139	ppb	3.4435	0.7	4401.81	19.68557Q
Ba 389.178	5066.15	ppb	42.5891	0.8	87946.4	101.32297
Be 313.042	507.621	ppb	4.1134	0.8	805751	101.52421
Ca 370.602	4990	ppb	36.47	0.7	19166	99.79098
Cd 226.502	504.488	ppb	2.6041	0.5	12017.4	100.89764
Co 228.615	511.502	ppb	3.8724	0.8	4234.78	102.30037
Cr 267.716	5099.42	ppb	38.1536	0.7	85125.4	101.98840
Cu 324.754	5033.88	ppb	28.4758	0.6	182383	100.67767
Fe 271.441	4924.31	ppb	32.6447	0.7	3913.76	98.48611
K 766.491	9726.09	ppb	69.8273	0.7	1190000	97.26094
Mg 279.078	4821.69	ppb	53.1568	1.1	6337.95	96.43371
Mn 257.610	5251.71	ppb	36.6105	0.7	519934	105.03418
Mo 202.032	488.554	ppb	5.7410	1.2	1820.40	97.71082
Na 330.237	7373.62	ppb	118.310	1.6	487.629	98.31493
Ni 231.604	2552.02	ppb	25.7502	1.0	7939.47	102.08064
Pb 220.353	490.361	ppb	5.4066	1.1	432.162	98.07224
Sb 206.834	913.314	ppb	1.5454	0.2	658.365	36.53254Q
Se 196.026	4796.62	ppb	43.8456	0.9	1256.20	95.93240
Sn 189.925	4966.35	ppb	43.3712	0.9	3238.01	99.32706
Sr 216.596	2460.11	ppb	20.5052	0.8	16056.5	98.40446
Ti 334.941	488.592	ppb	3.7323	0.8	106405	97.71832
Tl 190.794	4952.90	ppb	34.6236	0.7	2435.59	99.05797
V 292.401	4865.14	ppb	37.2046	0.8	143147	97.30280
Zn 206.200	2545.55	ppb	17.2709	0.7	8610.21	101.82193

Cont Calib Blank (CCB) **4/16/2013, 9:01:53 PM** **Rack 3, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4599	ppb	0.1059	23.0	-25.7788	-0.45995
Al 308.215	-2.2861	ppb	3.2376	141.6	49.0797	-2.28615

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	0.3951	ppb	4.3529	1101.8	-1.6386	0.39506
B 249.678	-0.4081	ppb	0.4475	109.6	69.5975	-0.40811
Ba 389.178	-2.0937	ppb	0.2931	14.0	-37.7230	-2.09374
Be 313.042	-0.1974	ppb	0.0082	4.2	-174.989	-0.19743
Ca 370.602	-12.68	ppb	1.707	13.5	-83.65	-12.68203
Cd 226.502	-0.7308	ppb	0.0807	11.0	17.7336	-0.73077
Co 228.615	-0.6395	ppb	0.3171	49.6	-9.8281	-0.63950
Cr 267.716	-1.5403	ppb	0.4101	26.6	10.6917	-1.54026
Cu 324.754	-1.6645	ppb	0.3060	18.4	82.4543	-1.66447
Fe 271.441	-2.2625	ppb	9.4706	418.6	-8.8433	-2.26252
K 766.491	-14.2623	ppb	0.4266	3.0	2261.63	-14.26228
Mg 279.078	-3.8601	ppb	2.4255	62.8	25.6031	-3.86007
Mn 257.610	-1.7122	ppb	0.0870	5.1	13.9264	-1.71222
Mo 202.032	-1.0891	ppb	0.8153	74.9	0.9229	-1.08914
Na 330.237	-176.116	ppb	97.1355	55.2	-4.4148	-176.11580
Ni 231.604	-0.7154	ppb	0.8481	118.6	0.2217	-0.71536
Pb 220.353	0.4024	ppb	1.5593	387.5	1.9769	0.40240
Sb 206.834	2.0466	ppb	2.7784	135.8	3.9467	2.04656
Se 196.026	-1.5746	ppb	19.6953	1250.8	3.1108	-1.57458
Sn 189.925	-4.9950	ppb	1.7857	35.8	-1.9568	-4.99503
Sr 216.596	-2.2647	ppb	0.1210	5.3	-10.4409	-2.26467
Ti 334.941	-0.2078	ppb	0.0711	34.2	-53.1980	-0.20780
Tl 190.794	-1.6500	ppb	4.0042	242.7	-2.9094	-1.64996
V 292.401	-0.4111	ppb	0.1491	36.3	10.2734	-0.41106
Zn 206.200	-1.2568	ppb	0.5751	45.8	1.9189	-1.25685

680-89188-c-2-a (Samp) **4/16/2013, 9:07:21 PM** **Rack 3, Tube 15**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7583	ppb	0.2445	32.2	-35.0358
Al 308.215	239.768	ppb	4.1824	1.7	801.488
As 188.980	-1.1384	ppb	6.9832	613.4	-2.3851
B 249.678	21.5934	ppb	0.6263	2.9	263.217
Ba 389.178	180.615	ppb	2.1321	1.2	3137.71
Be 313.042	-0.0046	ppb	0.0098	213.3	129.548
Ca 370.602	3700	ppb	15.58	0.4	14684
Cd 226.502	-0.8193	ppb	0.3080	37.6	15.8038
Co 228.615	1.5189	ppb	0.4180	27.5	8.1598
Cr 267.716	-0.9762	ppb	0.1773	18.2	20.1782
Cu 324.754	-0.6270	ppb	0.3152	50.3	110.155
Fe 271.441	75.7559	ppb	3.0827	4.1	52.3711
K 766.491	2258.01	ppb	5.9735	0.3	279598
Mg 279.078	2592.44	ppb	4.8035	0.2	3437.80
Mn 257.610	29.7544	ppb	0.0559	0.2	3134.85
Mo 202.032	-1.0641	ppb	0.3848	36.2	1.0090
Na 330.237	12935.6	ppb	57.5355	0.4	853.213
Ni 231.604	2.2119	ppb	0.2353	10.6	9.4366
Pb 220.353	1.8157	ppb	1.7795	98.0	3.2063
Sb 206.834	-0.0725	ppb	1.4020	1933.3	2.5454
Se 196.026	-3.9483	ppb	4.4075	111.6	2.5518
Sn 189.925	-1.9089	ppb	5.2061	272.7	0.0431
Sr 216.596	33.3559	ppb	0.6567	2.0	223.721
Ti 334.941	0.0609	ppb	0.0141	23.1	8.6461

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.4898	ppb	9.6179	645.6	-1.4074
V 292.401	-0.4841	ppb	0.0948	19.6	7.9688
Zn 206.200	115.671	ppb	1.6523	1.4	398.204

mb 680-273063/1-a (Samp) **4/16/2013, 9:12:49 PM** **Rack 3, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7622	ppb	0.9572	125.6	-35.2603
Al 308.215	-0.8586	ppb	1.9122	222.7	53.5280
As 188.980	-0.0076	ppb	5.7518	75338.4	-1.8034
B 249.678	-0.1282	ppb	0.4605	359.1	72.0086
Ba 389.178	-1.6344	ppb	0.3096	18.9	-29.7321
Be 313.042	-0.1917	ppb	0.0115	6.0	-166.118
Ca 370.602	-2.601	ppb	4.709	181.0	-45.87
Cd 226.502	-0.8086	ppb	0.4001	49.5	15.9139
Co 228.615	-1.6455	ppb	0.5402	32.8	-18.1755
Cr 267.716	-1.4635	ppb	0.2788	19.0	11.9688
Cu 324.754	-1.2821	ppb	0.2157	16.8	96.2942
Fe 271.441	11.5524	ppb	9.2867	80.4	1.9383
K 766.491	-12.5263	ppb	0.4380	3.5	2473.46
Mg 279.078	-1.6244	ppb	2.4752	152.4	28.4920
Mn 257.610	-1.5365	ppb	0.0209	1.4	31.3316
Mo 202.032	-0.6380	ppb	0.5399	84.6	2.6074
Na 330.237	59.7095	ppb	97.0063	162.5	11.0549
Ni 231.604	-0.4174	ppb	0.8896	213.1	1.1530
Pb 220.353	1.3550	ppb	1.2450	91.9	2.8231
Sb 206.834	-0.4266	ppb	1.9187	449.8	2.2597
Se 196.026	-4.2645	ppb	12.7952	300.0	2.4087
Sn 189.925	-2.5116	ppb	0.6950	27.7	-0.3383
Sr 216.596	-1.8968	ppb	0.4092	21.6	-8.0449
Ti 334.941	-0.1991	ppb	0.0463	23.3	-51.3131
Tl 190.794	2.0033	ppb	5.6500	282.0	-1.1190
V 292.401	-0.5836	ppb	0.1063	18.2	4.9634
Zn 206.200	31.0573	ppb	22.4031	72.1	111.408

lcs 680-273063/2-a (Samp) **4/16/2013, 9:18:16 PM** **Rack 3, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.1881	ppb	0.4880	3.7	403.295
Al 308.215	5104.58	ppb	29.1309	0.6	15931.1
As 188.980	95.1879	ppb	3.0826	3.2	36.9432
B 249.678	195.122	ppb	1.4211	0.7	1779.76
Ba 389.178	105.299	ppb	0.6561	0.6	1842.78
Be 313.042	53.0052	ppb	0.1854	0.3	84004.0
Ca 370.602	5143	ppb	12.80	0.2	19495
Cd 226.502	52.8570	ppb	0.2105	0.4	1301.04
Co 228.615	53.4414	ppb	0.4960	0.9	437.872
Cr 267.716	106.928	ppb	0.5539	0.5	1818.46
Cu 324.754	105.311	ppb	0.6329	0.6	3944.77
Fe 271.441	5134.88	ppb	16.7281	0.3	4018.80
K 766.491	5054.81	ppb	11.7213	0.2	621031

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	4987.00	ppb	28.0927	0.6	6563.94
Mn 257.610	562.715	ppb	1.4659	0.3	55891.7
Mo 202.032	101.256	ppb	0.7936	0.8	382.563
Na 330.237	5104.27	ppb	128.977	2.5	338.080
Ni 231.604	105.546	ppb	0.4173	0.4	331.075
Pb 220.353	50.7408	ppb	4.8388	9.5	45.9055
Sb 206.834	46.6738	ppb	6.4598	13.8	34.9143
Se 196.026	94.9309	ppb	8.8849	9.4	28.3967
Sn 189.925	203.217	ppb	2.4294	1.2	133.744
Sr 216.596	100.918	ppb	0.7740	0.8	664.167
Ti 334.941	101.726	ppb	0.3850	0.4	22092.6
Tl 190.794	35.7417	ppb	1.0497	2.9	15.2798
V 292.401	101.542	ppb	0.5860	0.6	2987.44
Zn 206.200	182.750	ppb	1.8667	1.0	625.260

lcs 680-273063/3-a (Samp) **4/16/2013, 9:23:44 PM** **Rack 3, Tube 18**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	202.751	ppb	2.2245	1.1	6353.17
Al 308.215	2009.74	ppb	11.8881	0.6	6316.62
As 188.980	201.612	ppb	7.0750	3.5	79.9171
B 249.678	377.925	ppb	1.6562	0.4	3356.07
Ba 389.178	192.906	ppb	0.2854	0.1	3411.03
Be 313.042	205.123	ppb	0.6506	0.3	324587
Ca 370.602	20085	ppb	149.3	0.7	76120
Cd 226.502	203.472	ppb	0.6244	0.3	4908.83
Co 228.615	205.565	ppb	1.3812	0.7	1697.70
Cr 267.716	206.692	ppb	0.2653	0.1	3476.35
Cu 324.754	204.933	ppb	1.5642	0.8	7519.85
Fe 271.441	20506.4	ppb	83.2051	0.4	16068.1
K 766.491	19818.6	ppb	74.7387	0.4	2423271
Mg 279.078	19498.7	ppb	64.9218	0.3	25573.5
Mn 257.610	2118.08	ppb	7.9315	0.4	209873
Mo 202.032	196.954	ppb	0.6929	0.4	737.829
Na 330.237	18100.4	ppb	141.304	0.8	1180.23
Ni 231.604	205.084	ppb	0.8647	0.4	641.966
Pb 220.353	197.138	ppb	1.5220	0.8	176.259
Sb 206.834	183.496	ppb	2.5533	1.4	129.881
Se 196.026	202.082	ppb	2.6941	1.3	56.5719
Sn 189.925	195.190	ppb	3.1773	1.6	128.485
Sr 216.596	205.899	ppb	0.2430	0.1	1356.51
Ti 334.941	196.444	ppb	0.6247	0.3	42681.8
Tl 190.794	34.8868	ppb	5.5127	15.8	14.4024
V 292.401	197.204	ppb	0.9224	0.5	5781.57
Zn 206.200	251.385	ppb	1.1060	0.4	858.358

640-43094-g-1-a (Samp) **4/16/2013, 9:29:12 PM** **Rack 3, Tube 19**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1590b	ppb	0.3577	30.9	-48.9177
Al 308.215	39.6128b	ppb	3.8209	9.6	177.348

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	4.9618b	ppb	3.0710	61.9	-6.5342
B 249.678	318.483b	ppb	10.4926	3.3	2838.22
Ba 389.178	423.744b	ppb	14.4318	3.4	7561.41
Be 313.042	-0.0418b	ppb	0.0129	30.7	90.4280
Ca 370.602	208758b	ppb	7475	3.6	827932
Cd 226.502	-0.4971b	ppb	0.1701	34.2	60.4509
Co 228.615	0.6059b	ppb	1.3815	228.0	1.0416
Cr 267.716	-1.5981b	ppb	0.3569	22.3	3.2648
Cu 324.754	0.6533b	ppb	0.4037	61.8	-387.906
Fe 271.441	17053.9b	ppb	623.613	3.7	13352.1
K 766.491	22309.4b	ppb	611.873	2.7	2727268
Mg 279.078	96322.6b	ppb	3118.35	3.2	126568
Mn 257.610	611.367b	ppb	20.7225	3.4	60957.8
Mo 202.032	-0.0759b	ppb	0.4240	558.5	2.3335
Na 330.237	401759xb	ppb	12165.5	3.0	26273.3
Ni 231.604	11.1352b	ppb	0.7868	7.1	42.0968
Pb 220.353	0.6057b	ppb	3.2500	536.6	2.0492
Sb 206.834	2.2893b	ppb	4.9285	215.3	6.5782
Se 196.026	-11.5723b	ppb	9.2987	80.4	3.1087
Sn 189.925	-1.0292b	ppb	0.3755	36.5	-0.0973
Sr 216.596	1175.46b	ppb	41.0800	3.5	7746.26
Ti 334.941	0.0892b	ppb	0.1022	114.5	223.896
Tl 190.794	-4.5681b	ppb	6.4838	141.9	-7.1713
V 292.401	0.4780b	ppb	0.2556	53.5	36.8631
Zn 206.200	110.325b	ppb	3.4604	3.1	384.084

640-43094-g-1-aSD^5 (Samp) **4/16/2013, 9:34:40 PM** **Rack 3, Tube 20**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7024	ppb	0.3508	50.0	-33.6302
Al 308.215	12.9290	ppb	2.0665	16.0	95.9744
As 188.980	1.5650	ppb	5.0818	324.7	-2.5099
B 249.678	61.6724	ppb	0.7403	1.2	608.221
Ba 389.178	85.0827	ppb	0.5069	0.6	1516.25
Be 313.042	-0.1679	ppb	0.0056	3.3	-123.665
Ca 370.602	41641	ppb	273.3	0.7	165108
Cd 226.502	-0.7431	ppb	0.1920	25.8	25.0420
Co 228.615	-0.0783	ppb	0.8402	1073.7	-5.0700
Cr 267.716	-1.5420	ppb	0.1605	10.4	9.2867
Cu 324.754	-0.8941	ppb	0.3377	37.8	-0.2393
Fe 271.441	3476.79	ppb	23.8196	0.7	2716.47
K 766.491	3594.36	ppb	17.2043	0.5	442755
Mg 279.078	18810.7	ppb	126.783	0.7	24741.4
Mn 257.610	121.637	ppb	0.6725	0.6	12274.3
Mo 202.032	-1.4323	ppb	0.9789	68.3	-0.8435
Na 330.237	71575.1	ppb	353.635	0.5	4686.42
Ni 231.604	1.1464	ppb	1.4461	126.1	7.0045
Pb 220.353	2.9728	ppb	6.1087	205.5	4.2426
Sb 206.834	3.0055	ppb	4.9884	166.0	5.0878
Se 196.026	2.1622	ppb	7.4933	346.6	4.6028
Sn 189.925	-4.9915	ppb	2.3876	47.8	-2.1013
Sr 216.596	234.297	ppb	1.4261	0.6	1547.63
Ti 334.941	-0.0406	ppb	0.0415	102.2	25.9739

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-1.2069	ppb	6.8927	571.1	-3.2596
V 292.401	-0.3210	ppb	0.1183	36.8	13.0310
Zn 206.200	69.0592	ppb	0.3440	0.5	240.976

640-43094-g-1-aPDS (Samp) **4/16/2013, 9:40:08 PM** **Rack 3, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.6428b	ppb	0.3936	0.7	1638.15
Al 308.215	2172.03b	ppb	19.2498	0.9	6845.79
As 188.980	2153.45b	ppb	22.1140	1.0	871.772
B 249.678	1328.55b	ppb	11.7940	0.9	11739.0
Ba 389.178	2501.72b	ppb	22.6036	0.9	43624.4
Be 313.042	52.9949b	ppb	0.1901	0.4	84211.4
Ca 370.602	204707b	ppb	1663	0.8	811886
Cd 226.502	51.7627b	ppb	0.5575	1.1	1301.38
Co 228.615	526.127b	ppb	6.6712	1.3	4360.23
Cr 267.716	211.088b	ppb	2.3056	1.1	3551.26
Cu 324.754	271.353b	ppb	2.1348	0.8	9419.43
Fe 271.441	17328.9b	ppb	163.329	0.9	13597.6
K 766.491	28390.8b	ppb	184.151	0.6	3469107
Mg 279.078	97593.1b	ppb	814.455	0.8	128236
Mn 257.610	1122.12b	ppb	9.1634	0.8	111518
Mo 202.032	516.000b	ppb	3.2719	0.6	1930.00
Na 330.237	392209xb	ppb	2578.96	0.7	25642.4
Ni 231.604	515.442b	ppb	5.8157	1.1	1610.73
Pb 220.353	497.768b	ppb	4.3327	0.9	443.378
Sb 206.834	501.563b	ppb	2.8165	0.6	342.799
Se 196.026	2074.14b	ppb	24.3366	1.2	547.454
Sn 189.925	1023.59b	ppb	9.2865	0.9	667.928
Sr 216.596	1631.86b	ppb	13.9187	0.9	10714.9
Ti 334.941	1007.66b	ppb	8.8816	0.9	219011
Tl 190.794	1994.39b	ppb	21.1747	1.1	975.884
V 292.401	505.922b	ppb	3.1732	0.6	14819.2
Zn 206.200	705.671b	ppb	7.8591	1.1	2400.45

640-43094-g-1-b ms (Samp) **4/16/2013, 9:45:36 PM** **Rack 3, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	42.3801b	ppb	0.7443	1.8	1317.73
Al 308.215	5386.45b	ppb	109.018	2.0	16805.3
As 188.980	117.220b	ppb	2.4777	2.1	39.1663
B 249.678	523.891b	ppb	10.2047	1.9	4635.86
Ba 389.178	530.337b	ppb	10.4346	2.0	9428.93
Be 313.042	53.5221b	ppb	0.8653	1.6	84840.3
Ca 370.602	214596b	ppb	4321	2.0	850267
Cd 226.502	51.7593b	ppb	1.2098	2.3	1311.72
Co 228.615	52.7715b	ppb	0.7865	1.5	432.902
Cr 267.716	105.350b	ppb	1.8610	1.8	1785.76
Cu 324.754	107.132b	ppb	2.2516	2.1	3454.40
Fe 271.441	21994.8b	ppb	416.696	1.9	17225.9
K 766.491	29319.7b	ppb	444.336	1.5	3583003

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	101709b	ppb	1904.61	1.9	133627
Mn 257.610	1145.22b	ppb	20.4056	1.8	113811
Mo 202.032	98.8720b	ppb	1.4210	1.4	371.312
Na 330.237	409476xb	ppb	12721.4	3.1	26775.2
Ni 231.604	106.136b	ppb	1.9957	1.9	337.955
Pb 220.353	49.3123b	ppb	3.8306	7.8	44.5025
Sb 206.834	48.2404b	ppb	1.3343	2.8	38.4547
Se 196.026	106.996b	ppb	9.2726	8.7	34.1624
Sn 189.925	197.494b	ppb	5.5914	2.8	129.288
Sr 216.596	1269.75b	ppb	20.3030	1.6	8362.92
Ti 334.941	100.551b	ppb	1.9435	1.9	22050.5
Tl 190.794	32.9906b	ppb	1.7934	5.4	11.0975
V 292.401	101.709b	ppb	1.8131	1.8	2993.46
Zn 206.200	234.785b	ppb	3.6605	1.6	805.687

640-43094-g-1-c msd (Samp) **4/16/2013, 9:51:04 PM** **Rack 3, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.3413b	ppb	0.3492	1.6	657.742
Al 308.215	5460.83b	ppb	13.1276	0.2	17036.6
As 188.980	110.326b	ppb	5.4861	5.0	36.2903
B 249.678	528.078b	ppb	2.4083	0.5	4672.10
Ba 389.178	533.537b	ppb	2.2048	0.4	9486.98
Be 313.042	53.7839b	ppb	0.1664	0.3	85254.7
Ca 370.602	216369b	ppb	658.6	0.3	857277
Cd 226.502	52.0521b	ppb	0.0544	0.1	1319.23
Co 228.615	52.3782b	ppb	0.2536	0.5	429.624
Cr 267.716	105.292b	ppb	0.3876	0.4	1784.70
Cu 324.754	109.247b	ppb	0.9234	0.8	3526.42
Fe 271.441	22236.1b	ppb	50.4768	0.2	17414.9
K 766.491	29747.6b	ppb	32.3791	0.1	3635237
Mg 279.078	103030b	ppb	128.439	0.1	135363
Mn 257.610	1154.45b	ppb	3.7310	0.3	114728
Mo 202.032	101.089b	ppb	1.2010	1.2	379.561
Na 330.237	415375xb	ppb	1381.95	0.3	27160.9
Ni 231.604	110.671b	ppb	0.6743	0.6	352.118
Pb 220.353	49.1232b	ppb	5.0501	10.3	44.3227
Sb 206.834	45.5177b	ppb	5.1987	11.4	36.6212
Se 196.026	97.6423b	ppb	17.1113	17.5	31.7443
Sn 189.925	196.831b	ppb	2.9639	1.5	128.849
Sr 216.596	1282.38b	ppb	3.6696	0.3	8445.90
Ti 334.941	100.766b	ppb	0.3709	0.4	22099.0
Tl 190.794	37.3777b	ppb	2.2234	5.9	13.2205
V 292.401	102.751b	ppb	0.4274	0.4	3023.75
Zn 206.200	277.808b	ppb	0.4904	0.2	951.511

640-43094-g-2-a (Samp) **4/16/2013, 9:56:32 PM** **Rack 3, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7226b	ppb	0.2238	31.0	-32.1777
Al 308.215	34.4724b	ppb	2.2812	6.6	163.365

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	6.8547b	ppb	4.9743	72.6	-5.1112
B 249.678	253.134b	ppb	0.8507	0.3	2299.97
Ba 389.178	93.0792b	ppb	0.4171	0.4	1763.90
Be 313.042	-0.1213b	ppb	0.0040	3.3	-32.0004
Ca 370.602	190748b	ppb	350.5	0.2	759268
Cd 226.502	-0.5904b	ppb	0.1929	32.7	22.9758
Co 228.615	0.4927b	ppb	0.8754	177.7	-0.3936
Cr 267.716	-1.0179b	ppb	0.0411	4.0	21.4005
Cu 324.754	2.2199b	ppb	0.2567	11.6	-290.842
Fe 271.441	1069.73b	ppb	7.7070	0.7	830.967
K 766.491	14579.1b	ppb	7.7511	0.1	1783695
Mg 279.078	75526.0b	ppb	57.4036	0.1	99296.8
Mn 257.610	601.670b	ppb	0.7046	0.1	59925.5
Mo 202.032	1.4809b	ppb	0.9393	63.4	10.3772
Na 330.237	324658xb	ppb	133.746	0.0	21238.5
Ni 231.604	7.9276b	ppb	1.0886	13.7	30.2550
Pb 220.353	-1.8845b	ppb	1.6555	87.8	-0.0749
Sb 206.834	1.2679b	ppb	3.2517	256.5	5.2923
Se 196.026	-6.9136b	ppb	11.3075	163.6	4.3213
Sn 189.925	-5.7952b	ppb	2.2774	39.3	-3.1543
Sr 216.596	961.399b	ppb	1.1005	0.1	6330.86
Ti 334.941	-0.0896b	ppb	0.0342	38.1	168.169
Tl 190.794	0.7021b	ppb	4.6448	661.6	-3.7055
V 292.401	1.2912b	ppb	0.3281	25.4	57.3008
Zn 206.200	43.5524b	ppb	0.5316	1.2	156.628

Cont Calib Verif (CCV) **4/16/2013, 10:02:00 PM** **Rack 3, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	490.441	ppb	3.0228	0.6	15373.1	98.08815
Al 308.215	4835.53	ppb	19.0163	0.4	15364.8	96.71054
As 188.980	479.489	ppb	6.5047	1.4	194.926	95.89781
B 249.678	494.354	ppb	1.1105	0.2	4421.34	19.77416Q
Ba 389.178	5083.88	ppb	15.7896	0.3	88254.2	101.67764
Be 313.042	508.928	ppb	1.6120	0.3	807822	101.78563
Ca 370.602	5019	ppb	15.19	0.3	19285	100.38366
Cd 226.502	506.334	ppb	1.9740	0.4	12061.2	101.26689
Co 228.615	513.711	ppb	1.4281	0.3	4253.10	102.74223
Cr 267.716	5133.52	ppb	17.5519	0.3	85694.5	102.67031
Cu 324.754	5074.87	ppb	44.4536	0.9	183867	101.49734
Fe 271.441	4928.57	ppb	15.9714	0.3	3917.21	98.57133
K 766.491	9753.53	ppb	28.0614	0.3	1193345	97.53533
Mg 279.078	4832.14	ppb	17.4562	0.4	6351.65	96.64288
Mn 257.610	5280.73	ppb	19.9211	0.4	522806	105.61452
Mo 202.032	486.827	ppb	3.0657	0.6	1813.93	97.36534
Na 330.237	7402.63	ppb	51.5277	0.7	489.544	98.70177
Ni 231.604	2561.50	ppb	20.0500	0.8	7968.97	102.45999
Pb 220.353	499.003	ppb	8.6478	1.7	439.836	99.80052
Sb 206.834	922.284	ppb	5.5101	0.6	664.634	36.89137Q
Se 196.026	4777.75	ppb	35.6397	0.7	1251.28	95.55507
Sn 189.925	4997.74	ppb	23.3694	0.5	3258.46	99.95472
Sr 216.596	2473.14	ppb	8.3634	0.3	16141.7	98.92579
Ti 334.941	490.035	ppb	1.9013	0.4	106719	98.00697

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4981.57	ppb	47.4368	1.0	2449.68	99.63146
V 292.401	4870.83	ppb	17.3118	0.4	143314	97.41662
Zn 206.200	2564.49	ppb	7.5736	0.3	8674.33	102.57970

Cont Calib Blank (CCB) **4/16/2013, 10:07:29 PM** **Rack 3, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0723	ppb	0.2037	281.5	-13.6203	-0.07235
Al 308.215	-5.4282	ppb	0.8358	15.4	39.3219	-5.42818
As 188.980	0.6671	ppb	1.4141	212.0	-1.5272	0.66711
B 249.678	-0.6351	ppb	0.5211	82.0	67.5801	-0.63512
Ba 389.178	-1.4160	ppb	0.9390	66.3	-25.9685	-1.41598
Be 313.042	-0.1946	ppb	0.0048	2.5	-170.624	-0.19463
Ca 370.602	-15.48	ppb	2.094	13.5	-95.27	-15.48074
Cd 226.502	-1.0099	ppb	0.1062	10.5	11.1148	-1.00993
Co 228.615	-1.1554	ppb	0.1994	17.3	-14.1067	-1.15540
Cr 267.716	-1.0747	ppb	0.4075	37.9	18.4640	-1.07466
Cu 324.754	-1.7201	ppb	0.2313	13.4	80.4503	-1.72013
Fe 271.441	1.1322	ppb	0.7723	68.2	-6.2037	1.13225
K 766.491	-14.1721	ppb	0.3049	2.2	2272.51	-14.17209
Mg 279.078	-7.2785	ppb	1.3680	18.8	21.0997	-7.27852
Mn 257.610	-1.6794	ppb	0.0471	2.8	17.1674	-1.67935
Mo 202.032	-0.7956	ppb	0.3306	41.6	2.0196	-0.79562
Na 330.237	-82.5685	ppb	10.4304	12.6	1.7162	-82.56854
Ni 231.604	-0.6603	ppb	0.6426	97.3	0.3970	-0.66033
Pb 220.353	-0.4178	ppb	2.0655	494.4	1.2459	-0.41781
Sb 206.834	-0.6408	ppb	1.7998	280.9	2.1219	-0.64079
Se 196.026	-3.4053	ppb	10.6192	311.8	2.6329	-3.40529
Sn 189.925	-5.5621	ppb	2.6830	48.2	-2.3263	-5.56214
Sr 216.596	-1.7097	ppb	0.5099	29.8	-6.8030	-1.70966
Ti 334.941	-0.1614	ppb	0.0331	20.5	-43.1264	-0.16144
Tl 190.794	1.3912	ppb	0.3727	26.8	-1.4175	1.39116
V 292.401	-0.4439	ppb	0.1837	41.4	9.1812	-0.44387
Zn 206.200	7.6464	ppb	0.4755	6.2	32.0842	7.64637

640-43094-f-4-a (Samp) **4/16/2013, 10:12:58 PM** **Rack 3, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1752b	ppb	0.1214	10.3	-49.9777
Al 308.215	28.1388b	ppb	2.7900	9.9	142.518
As 188.980	3.0381b	ppb	2.6342	86.7	-5.1405
B 249.678	2059.07b	ppb	7.7896	0.4	18182.9
Ba 389.178	477.404b	ppb	1.6546	0.3	8763.33
Be 313.042	-0.0249b	ppb	0.0055	22.1	-36.0006
Ca 370.602	141641b	ppb	518.5	0.4	562002
Cd 226.502	-0.4377b	ppb	0.2877	65.7	43.1216
Co 228.615	0.3748b	ppb	0.3740	99.8	-0.9104
Cr 267.716	-2.4243b	ppb	0.3082	12.7	1.1318
Cu 324.754	-0.0937b	ppb	0.4627	493.9	-224.714
Fe 271.441	10172.8b	ppb	57.0897	0.6	7961.80
K 766.491	94734.5xb	ppb	241.615	0.3	11568403

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	237741b	ppb	723.608	0.3	312477
Mn 257.610	390.669b	ppb	2.6364	0.7	39474.8
Mo 202.032	0.6143b	ppb	0.5962	97.1	5.8717
Na 330.237	1841828xb	ppb	7794.29	0.4	120453
Ni 231.604	6.6339b	ppb	1.6635	25.1	33.4656
Pb 220.353	-5.3970b	ppb	3.3309	61.7	-3.2526
Sb 206.834	1.0902b	ppb	6.1744	566.3	4.9310
Se 196.026	-9.2982b	ppb	1.6683	17.9	3.8933
Sn 189.925	-1.2627b	ppb	4.6183	365.8	0.3804
Sr 216.596	1469.14b	ppb	10.7398	0.7	9669.55
Ti 334.941	0.5133b	ppb	0.0276	5.4	167.795
Tl 190.794	-7.8969b	ppb	1.1575	14.7	-7.8340
V 292.401	1.1366b	ppb	0.3504	30.8	46.0156
Zn 206.200	45.9082b	ppb	1.5024	3.3	170.993

640-43094-i-6-a (Samp) **4/16/2013, 10:18:26 PM** **Rack 3, Tube 28**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7929b	ppb	0.2764	34.9	-37.7897
Al 308.215	40.5999b	ppb	2.1948	5.4	181.441
As 188.980	12.0713b	ppb	3.4432	28.5	-1.8239
B 249.678	1726.01b	ppb	2.0927	0.1	15253.0
Ba 389.178	501.083b	ppb	1.9460	0.4	9083.14
Be 313.042	-0.0603b	ppb	0.0070	11.6	-59.1454
Ca 370.602	153534b	ppb	197.0	0.1	609617
Cd 226.502	-0.4949b	ppb	0.2334	47.2	39.3642
Co 228.615	0.7763b	ppb	0.1374	17.7	2.3958
Cr 267.716	-2.1311b	ppb	0.3791	17.8	4.9398
Cu 324.754	2.5278b	ppb	0.2966	11.7	-166.090
Fe 271.441	8793.87b	ppb	18.7746	0.2	6881.63
K 766.491	83273.3xb	ppb	52.7677	0.1	10169298
Mg 279.078	193012b	ppb	474.764	0.2	253690
Mn 257.610	313.766b	ppb	0.4473	0.1	31745.0
Mo 202.032	-0.4987b	ppb	1.5438	309.5	1.9033
Na 330.237	1529848xb	ppb	283.310	0.0	100051
Ni 231.604	13.0680b	ppb	2.3229	17.8	51.5232
Pb 220.353	-3.7574b	ppb	4.0971	109.0	-1.7864
Sb 206.834	-1.0238b	ppb	2.6604	259.9	3.5781
Se 196.026	-0.6356b	ppb	8.9050	1401.1	6.0325
Sn 189.925	-3.6055b	ppb	0.3704	10.3	-1.2727
Sr 216.596	1348.96b	ppb	4.1636	0.3	8879.44
Ti 334.941	0.5936b	ppb	0.0308	5.2	213.737
Tl 190.794	-4.9965b	ppb	3.4075	68.2	-6.4675
V 292.401	1.3809b	ppb	0.2510	18.2	54.8319
Zn 206.200	102.233b	ppb	1.2365	1.2	360.085

640-43099-a-1-a (Samp) **4/16/2013, 10:23:55 PM** **Rack 3, Tube 29**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4861b	ppb	0.5432	111.7	-26.6221
Al 308.215	37.6259b	ppb	3.8737	10.3	174.307

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	13.5858b	ppb	5.4910	40.4	-3.9551
B 249.678	374.651b	ppb	1.0649	0.3	3370.75
Ba 389.178	33.3430b	ppb	0.7183	2.2	631.767
Be 313.042	-0.1937b	ppb	0.0142	7.3	-95.8609
Ca 370.602	240604b	ppb	1210	0.5	957802
Cd 226.502	-0.6998b	ppb	0.0486	6.9	20.4316
Co 228.615	0.7381b	ppb	0.7066	95.7	1.6432
Cr 267.716	-1.3561b	ppb	0.2915	21.5	13.4720
Cu 324.754	1.4030b	ppb	0.2101	15.0	-460.373
Fe 271.441	847.603b	ppb	8.9208	1.1	657.179
K 766.491	95839.0xb	ppb	342.443	0.4	11703352
Mg 279.078	27099.5b	ppb	106.458	0.4	35646.7
Mn 257.610	98.0917b	ppb	0.4075	0.4	9963.95
Mo 202.032	1.0459b	ppb	0.0818	7.8	8.7398
Na 330.237	37600.4b	ppb	108.415	0.3	2465.88
Ni 231.604	10.4503b	ppb	0.1986	1.9	36.0973
Pb 220.353	3.1112b	ppb	6.0438	194.3	4.3745
Sb 206.834	-0.7878b	ppb	3.7815	480.0	4.3409
Se 196.026	-4.9771b	ppb	9.5480	191.8	5.0012
Sn 189.925	-2.4284b	ppb	0.4931	20.3	-1.2311
Sr 216.596	1664.87b	ppb	5.4837	0.3	10955.6
Ti 334.941	-0.1564b	ppb	0.0896	57.3	222.837
Tl 190.794	-2.1477b	ppb	6.0826	283.2	-5.5684
V 292.401	22.0909b	ppb	0.0909	0.4	673.711
Zn 206.200	124.942b	ppb	0.9511	0.8	430.562

640-43099-a-2-a (Samp) **4/16/2013, 10:29:24 PM** **Rack 3, Tube 30**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5323b	ppb	0.5892	110.7	-26.8970
Al 308.215	-14.7912b	ppb	4.9188	33.3	91.4282
As 188.980	20.4763b	ppb	9.1934	44.9	-4.8958
B 249.678	1797.47b	ppb	136.165	7.6	15902.4
Ba 389.178	66.9476b	ppb	5.0097	7.5	1205.71
Be 313.042	-0.1982b	ppb	0.0674	34.0	853.639
Ca 370.602	359022b	ppb	26988	7.5	1429455
Cd 226.502	-0.4505b	ppb	0.1395	31.0	24.7329
Co 228.615	0.5195b	ppb	0.4875	93.8	-0.4782
Cr 267.716	-1.8072b	ppb	0.5716	31.6	-4.8414
Cu 324.754	14.2787b	ppb	0.6958	4.9	-344.255
Fe 271.441	84.1776b	ppb	5.3650	6.4	73.7276
K 766.491	76793.4xb	ppb	4660.92	6.1	9378393
Mg 279.078	20612.3b	ppb	1518.80	7.4	27123.2
Mn 257.610	33.4169b	ppb	2.6236	7.9	3546.32
Mo 202.032	19.9427b	ppb	1.0600	5.3	76.4500
Na 330.237	10228.4b	ppb	599.960	5.9	676.175
Ni 231.604	58.0201b	ppb	3.8411	6.6	183.667
Pb 220.353	1.3803b	ppb	2.1219	153.7	2.8088
Sb 206.834	6.8198b	ppb	8.1569	119.6	8.7385
Se 196.026	-11.0894b	ppb	6.5861	59.4	4.6600
Sn 189.925	-0.3592b	ppb	2.7623	769.0	-0.3607
Sr 216.596	1950.22b	ppb	143.498	7.4	12833.5
Ti 334.941	-0.7479b	ppb	0.1151	15.4	235.407

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-5.4546b	ppb	7.9192	145.2	-6.6603
V 292.401	1513.02b	ppb	114.387	7.6	44665.9
Zn 206.200	130.459b	ppb	9.8079	7.5	448.995

640-43099-a-3-a (Samp) **4/16/2013, 10:34:52 PM** **Rack 3, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8190b	ppb	0.4415	53.9	-37.1709
Al 308.215	19.0667b	ppb	1.8521	9.7	126.688
As 188.980	16.5078b	ppb	13.1150	79.4	-4.5215
B 249.678	535.758b	ppb	0.8991	0.2	4791.46
Ba 389.178	107.393b	ppb	1.0965	1.0	1942.47
Be 313.042	-0.1841b	ppb	0.0038	2.1	39.7997
Ca 370.602	295919b	ppb	586.0	0.2	1178200
Cd 226.502	-0.4738b	ppb	0.4239	89.5	24.0900
Co 228.615	1.8267b	ppb	0.3598	19.7	10.4444
Cr 267.716	-1.3270b	ppb	0.5502	41.5	13.0121
Cu 324.754	4.3787b	ppb	0.5910	13.5	-505.872
Fe 271.441	29.0674b	ppb	8.7423	30.1	17.7975
K 766.491	183583xb	ppb	97.0166	0.1	22414470
Mg 279.078	40340.6b	ppb	41.2877	0.1	53054.4
Mn 257.610	21.2983b	ppb	0.0465	0.2	2398.25
Mo 202.032	18.3163b	ppb	0.1619	0.9	73.0347
Na 330.237	38125.3b	ppb	132.485	0.3	2500.53
Ni 231.604	16.4125b	ppb	1.7842	10.9	55.1203
Pb 220.353	-1.1411b	ppb	3.5301	309.4	0.5681
Sb 206.834	3.5815b	ppb	5.2227	145.8	7.5621
Se 196.026	-7.0871b	ppb	11.7761	166.2	5.1324
Sn 189.925	-2.0541b	ppb	4.4285	215.6	-1.2072
Sr 216.596	1971.29b	ppb	2.6585	0.1	12970.7
Ti 334.941	-0.3940b	ppb	0.1591	40.4	233.844
Tl 190.794	-5.0976b	ppb	4.2327	83.0	-7.3459
V 292.401	201.341b	ppb	0.5150	0.3	5959.26
Zn 206.200	93.6980b	ppb	0.1810	0.2	325.182

640-43099-a-4-a (Samp) **4/16/2013, 10:40:21 PM** **Rack 3, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2591b	ppb	0.6432	51.1	-49.0936
Al 308.215	54.4097b	ppb	0.9409	1.7	226.836
As 188.980	8.2784b	ppb	0.3245	3.9	-2.2864
B 249.678	910.277b	ppb	0.1216	0.0	8089.71
Ba 389.178	7.0795b	ppb	0.5926	8.4	154.499
Be 313.042	-0.1575b	ppb	0.0077	4.9	-70.2065
Ca 370.602	120880b	ppb	199.5	0.2	481272
Cd 226.502	-0.6233b	ppb	0.2551	40.9	20.4145
Co 228.615	0.4289b	ppb	0.4536	105.8	-0.9853
Cr 267.716	-1.3478b	ppb	0.1441	10.7	14.3606
Cu 324.754	28.9282b	ppb	0.8291	2.9	861.741
Fe 271.441	23.1683b	ppb	7.0525	30.4	11.3990
K 766.491	135432xb	ppb	334.930	0.2	16536539

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	16686.6b	ppb	21.2492	0.1	21962.7
Mn 257.610	440.319b	ppb	0.9407	0.2	43803.1
Mo 202.032	4.6820b	ppb	0.8671	18.5	22.4362
Na 330.237	16973.6b	ppb	23.3650	0.1	1117.40
Ni 231.604	6.4731b	ppb	0.0631	1.0	23.2536
Pb 220.353	-2.1388b	ppb	3.5438	165.7	-0.3015
Sb 206.834	4.6010b	ppb	6.2794	136.5	6.8086
Se 196.026	3.4852b	ppb	6.7862	194.7	5.9232
Sn 189.925	-4.5404b	ppb	2.1962	48.4	-2.1368
Sr 216.596	636.133b	ppb	0.9670	0.2	4189.73
Ti 334.941	0.1724b	ppb	0.0869	50.4	162.684
Tl 190.794	0.0291b	ppb	1.8471	6355.1	-3.2677
V 292.401	25.5543b	ppb	0.1729	0.7	774.278
Zn 206.200	168.480b	ppb	0.8046	0.5	577.667

640-43099-a-5-a (Samp) **4/16/2013, 10:45:50 PM** **Rack 3, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4929b	ppb	0.2617	53.1	-27.0542
Al 308.215	79.5109b	ppb	0.5307	0.7	303.647
As 188.980	9.4472b	ppb	6.2107	65.7	-1.2824
B 249.678	214.007b	ppb	5.6321	2.6	1954.24
Ba 389.178	29.2474b	ppb	0.7922	2.7	540.289
Be 313.042	-0.1665b	ppb	0.0036	2.2	-98.1811
Ca 370.602	104193b	ppb	2552	2.4	414521
Cd 226.502	-0.7737b	ppb	0.2137	27.6	20.1953
Co 228.615	0.2222b	ppb	0.1628	73.3	-2.6201
Cr 267.716	-1.2303b	ppb	0.2298	18.7	15.2513
Cu 324.754	3.8119b	ppb	0.2832	7.4	-1.4870
Fe 271.441	1586.60b	ppb	37.5727	2.4	1235.92
K 766.491	42612.3xb	ppb	807.932	1.9	5205811
Mg 279.078	16325.5b	ppb	414.168	2.5	21482.5
Mn 257.610	48.5402b	ppb	1.1696	2.4	5032.11
Mo 202.032	1.0607b	ppb	1.2094	114.0	8.7209
Na 330.237	48442.9b	ppb	1156.33	2.4	3177.41
Ni 231.604	5.1935b	ppb	1.0438	20.1	19.3645
Pb 220.353	-0.4684b	ppb	1.9674	420.1	1.1796
Sb 206.834	1.4706b	ppb	3.0566	207.9	4.5915
Se 196.026	-6.2814b	ppb	15.9751	254.3	3.0900
Sn 189.925	-3.4355b	ppb	3.9008	113.5	-1.3418
Sr 216.596	851.044b	ppb	21.6739	2.5	5602.08
Ti 334.941	1.1750b	ppb	0.0517	4.4	360.189
Tl 190.794	-0.6150b	ppb	1.7176	279.3	-3.5010
V 292.401	8.1640b	ppb	0.1183	1.4	263.027
Zn 206.200	1847.10b	ppb	40.7902	2.2	6265.32

640-43099-a-6-a (Samp) **4/16/2013, 10:51:18 PM** **Rack 3, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1381b	ppb	0.1863	16.4	-48.1144
Al 308.215	47.7467b	ppb	1.5937	3.3	204.230

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	15.6690b	ppb	9.4508	60.3	-3.6154
B 249.678	947.773b	ppb	8.7040	0.9	8401.04
Ba 389.178	117.973b	ppb	1.5705	1.3	2111.85
Be 313.042	-0.1969b	ppb	0.0086	4.3	-108.796
Ca 370.602	255479b	ppb	2083	0.8	1015645
Cd 226.502	-0.4862b	ppb	0.3173	65.3	41.5907
Co 228.615	0.3071b	ppb	0.6739	219.4	-1.8619
Cr 267.716	-1.1591b	ppb	0.4239	36.6	12.8755
Cu 324.754	0.6059b	ppb	0.1971	32.5	-525.890
Fe 271.441	8108.92b	ppb	91.4933	1.1	6345.13
K 766.491	141752xb	ppb	1112.48	0.8	17308070
Mg 279.078	28630.8b	ppb	286.518	1.0	37630.4
Mn 257.610	169.554b	ppb	1.6294	1.0	17048.5
Mo 202.032	8.9917b	ppb	0.3251	3.6	37.4570
Na 330.237	27108.1b	ppb	171.812	0.6	1776.26
Ni 231.604	31.9293b	ppb	1.2972	4.1	103.396
Pb 220.353	3.1324b	ppb	1.0789	34.4	4.3362
Sb 206.834	-1.3951b	ppb	5.0018	358.5	4.2685
Se 196.026	-13.2115b	ppb	8.5169	64.5	2.8924
Sn 189.925	-4.1879b	ppb	0.5121	12.2	-2.4381
Sr 216.596	2066.00b	ppb	19.2505	0.9	13594.7
Ti 334.941	0.2496b	ppb	0.0181	7.3	328.172
Tl 190.794	-3.4970b	ppb	3.6337	103.9	-6.7246
V 292.401	5.9067b	ppb	0.2890	4.9	195.660
Zn 206.200	95.4500b	ppb	1.0528	1.1	330.886

640-43099-a-7-a (Samp) **4/16/2013, 10:56:47 PM** **Rack 3, Tube 35**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8890b	ppb	0.3768	42.4	-39.2561
Al 308.215	24.8917b	ppb	1.6859	6.8	134.031
As 188.980	15.8537b	ppb	5.2818	33.3	-3.6044
B 249.678	816.078b	ppb	3.2966	0.4	7252.06
Ba 389.178	102.234b	ppb	0.9209	0.9	1819.07
Be 313.042	-0.1887b	ppb	0.0015	0.8	-91.3785
Ca 370.602	258285b	ppb	1383	0.5	1027717
Cd 226.502	-0.4856b	ppb	0.1876	38.6	31.1277
Co 228.615	0.1897b	ppb	0.2016	106.3	-3.0611
Cr 267.716	-1.2745b	ppb	0.0937	7.4	13.6309
Cu 324.754	0.3912b	ppb	0.1602	40.9	-544.042
Fe 271.441	3403.98b	ppb	14.8974	0.4	2659.55
K 766.491	69352.2xb	ppb	203.925	0.3	8470012
Mg 279.078	21526.6b	ppb	68.7328	0.3	28311.3
Mn 257.610	195.747b	ppb	0.5546	0.3	19616.5
Mo 202.032	15.5684b	ppb	0.8090	5.2	62.6847
Na 330.237	35791.7b	ppb	217.031	0.6	2346.41
Ni 231.604	18.1437b	ppb	0.4555	2.5	59.9506
Pb 220.353	0.1963b	ppb	1.5877	809.0	1.7443
Sb 206.834	1.8391b	ppb	0.6960	37.8	6.3469
Se 196.026	-6.5847b	ppb	7.6579	116.3	4.7080
Sn 189.925	-0.9706b	ppb	2.3580	242.9	-0.3513
Sr 216.596	1893.61b	ppb	6.5065	0.3	12460.2
Ti 334.941	-0.0231b	ppb	0.0316	136.7	271.164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	6.8934b	ppb	5.2771	76.6	-1.4493
V 292.401	8.6054b	ppb	0.0838	1.0	272.684
Zn 206.200	138.074b	ppb	0.6123	0.4	474.914

640-43099-a-8-a (Samp) **4/16/2013, 11:02:16 PM** **Rack 3, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0901b	ppb	0.3710	34.0	-45.8578
Al 308.215	34.2915b	ppb	1.8084	5.3	163.537
As 188.980	24.2030b	ppb	4.1425	17.1	-3.3082
B 249.678	992.123b	ppb	1.3249	0.1	8810.56
Ba 389.178	83.8041b	ppb	0.2510	0.3	1528.12
Be 313.042	-0.1991b	ppb	0.0079	4.0	-85.7066
Ca 370.602	355982b	ppb	187.9	0.1	1417340
Cd 226.502	-0.1489b	ppb	0.2461	165.2	31.7498
Co 228.615	1.2162b	ppb	0.1307	10.7	5.6098
Cr 267.716	-0.9687b	ppb	0.5207	53.8	20.4964
Cu 324.754	12.5106b	ppb	0.3298	2.6	-371.713
Fe 271.441	40.9963b	ppb	7.0237	17.1	25.2561
K 766.491	201090xb	ppb	152.229	0.1	24551690
Mg 279.078	38281.8b	ppb	49.2979	0.1	50348.2
Mn 257.610	33.2872b	ppb	0.0761	0.2	3579.17
Mo 202.032	5.3162b	ppb	0.9963	18.7	24.8332
Na 330.237	56907.4b	ppb	111.106	0.2	3729.11
Ni 231.604	30.6535b	ppb	0.4637	1.5	99.3067
Pb 220.353	-4.7867b	ppb	4.2673	89.1	-2.6575
Sb 206.834	7.3790b	ppb	5.0815	68.9	10.9967
Se 196.026	-7.0310b	ppb	11.1405	158.4	5.7892
Sn 189.925	-5.7629b	ppb	3.1935	55.4	-3.8583
Sr 216.596	2533.82b	ppb	7.9908	0.3	16669.5
Ti 334.941	-0.6557b	ppb	0.0191	2.9	241.043
Tl 190.794	0.6430b	ppb	5.6162	873.4	-5.3307
V 292.401	10.9924b	ppb	0.1969	1.8	345.217
Zn 206.200	266.769b	ppb	1.4511	0.5	911.508

Cont Calib Verif (CCV) **4/16/2013, 11:07:44 PM** **Rack 3, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.428	ppb	7.1689	1.5	15404.1	98.28566
Al 308.215	4860.98	ppb	43.3659	0.9	15444.8	97.21951
As 188.980	484.601	ppb	7.4139	1.5	197.018	96.92011
B 249.678	499.037	ppb	3.8517	0.8	4462.54	19.96150Q
Ba 389.178	5089.44	ppb	38.4263	0.8	88350.8	101.78881
Be 313.042	510.719	ppb	4.3468	0.9	810662	102.14375
Ca 370.602	5016	ppb	44.24	0.9	19272	100.32999
Cd 226.502	507.688	ppb	4.2503	0.8	12093.4	101.53769
Co 228.615	514.498	ppb	4.0926	0.8	4259.59	102.89955
Cr 267.716	5138.86	ppb	34.6258	0.7	85783.6	102.77718
Cu 324.754	5055.21	ppb	38.6975	0.8	183155	101.10418
Fe 271.441	4945.77	ppb	41.0825	0.8	3930.86	98.91531
K 766.491	9768.14	ppb	51.9705	0.5	1195126	97.68143

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4866.68	ppb	36.1294	0.7	6396.94	97.33350
Mn 257.610	5287.76	ppb	36.7564	0.7	523502	105.75513
Mo 202.032	490.430	ppb	3.0817	0.6	1827.36	98.08601
Na 330.237	7360.64	ppb	128.555	1.7	486.787	98.14187
Ni 231.604	2568.77	ppb	13.7532	0.5	7991.60	102.75100
Pb 220.353	497.561	ppb	5.8453	1.2	438.533	99.51211
Sb 206.834	919.242	ppb	7.1546	0.8	662.616	36.76970Q
Se 196.026	4812.14	ppb	34.2831	0.7	1260.25	96.24278
Sn 189.925	5005.34	ppb	45.0211	0.9	3263.42	100.10683
Sr 216.596	2474.48	ppb	17.1258	0.7	16150.1	98.97929
Ti 334.941	491.729	ppb	3.1591	0.6	107088	98.34581
Tl 190.794	5002.22	ppb	28.0532	0.6	2459.83	100.04440
V 292.401	4884.79	ppb	41.0540	0.8	143724	97.69587
Zn 206.200	2568.70	ppb	19.0600	0.7	8688.54	102.74808

Cont Calib Blank (CCB) **4/16/2013, 11:13:13 PM** **Rack 3, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6708	ppb	0.2149	32.0	-32.3902	-0.67084
Al 308.215	-3.1305	ppb	2.3041	73.6	46.4627	-3.13047
As 188.980	1.0758	ppb	4.4892	417.3	-1.3605	1.07579
B 249.678	0.5096	ppb	0.4328	84.9	77.6561	0.50962
Ba 389.178	-1.2046	ppb	0.2423	20.1	-22.2940	-1.20459
Be 313.042	-0.2075	ppb	0.0039	1.9	-191.050	-0.20749
Ca 370.602	-13.99	ppb	2.829	20.2	-89.90	-13.98820
Cd 226.502	-0.8081	ppb	0.0376	4.7	15.9097	-0.80811
Co 228.615	-1.0170	ppb	0.7511	73.9	-12.9666	-1.01700
Cr 267.716	-1.8641	ppb	0.3232	17.3	5.2852	-1.86413
Cu 324.754	-1.6379	ppb	0.2875	17.5	83.4292	-1.63794
Fe 271.441	5.1557	ppb	5.8129	112.7	-3.0423	5.15568
K 766.491	-13.0510	ppb	0.0546	0.4	2409.30	-13.05096
Mg 279.078	-2.9210	ppb	2.1706	74.3	26.8157	-2.92103
Mn 257.610	-1.7599	ppb	0.0563	3.2	9.2036	-1.75991
Mo 202.032	-0.9649	ppb	0.0576	6.0	1.3867	-0.96489
Na 330.237	39.2608	ppb	52.6549	134.1	9.6700	39.26084
Ni 231.604	-0.5090	ppb	0.7782	152.9	0.8683	-0.50898
Pb 220.353	0.2934	ppb	5.5831	1902.8	1.8800	0.29342
Sb 206.834	1.8634	ppb	3.3325	178.8	3.8080	1.86344
Se 196.026	-2.3466	ppb	4.9697	211.8	2.9091	-2.34660
Sn 189.925	-1.8759	ppb	0.6073	32.4	0.0760	-1.87588
Sr 216.596	-1.2688	ppb	0.1387	10.9	-3.9130	-1.26883
Ti 334.941	-0.2101	ppb	0.0150	7.1	-53.7543	-0.21007
Tl 190.794	2.8650	ppb	0.4336	15.1	-0.6941	2.86499
V 292.401	-0.5624	ppb	0.1388	24.7	5.6944	-0.56241
Zn 206.200	-0.0227	ppb	0.6636	2919.0	6.1039	-0.02273

640-43099-a-9-a (Samp) **4/16/2013, 11:18:42 PM** **Rack 3, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5977b	ppb	0.1821	11.4	-60.2920
Al 308.215	53.5371b	ppb	2.4389	4.6	225.689

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	44.3198b	ppb	3.2790	7.4	-8.3935
B 249.678	2363.07b	ppb	16.0639	0.7	20882.7
Ba 389.178	181.687b	ppb	1.0313	0.6	3327.82
Be 313.042	-0.2330b	ppb	0.0096	4.1	-12.3832
Ca 370.602	770700b	ppb	5363	0.7	3068489
Cd 226.502	0.5444b	ppb	0.2745	50.4	49.8098
Co 228.615	5.8782b	ppb	0.0308	0.5	44.0914
Cr 267.716	-1.3555b	ppb	0.4591	33.9	14.2472
Cu 324.754	57.5087b	ppb	0.2534	0.4	132.171
Fe 271.441	633.505b	ppb	17.0162	2.7	489.980
K 766.491	356806oxb	ppb	208.988	0.1	43560300
Mg 279.078	89591.6b	ppb	313.941	0.4	117787
Mn 257.610	522.459b	ppb	2.9175	0.6	52125.1
Mo 202.032	22.0661b	ppb	0.9764	4.4	87.2760
Na 330.237	87345.2b	ppb	348.468	0.4	5719.34
Ni 231.604	198.460b	ppb	2.2565	1.1	623.109
Pb 220.353	-1.4715b	ppb	6.7714	460.2	0.2597
Sb 206.834	-0.3971b	ppb	2.8626	720.9	9.6394
Se 196.026	-30.1353b	ppb	10.9725	36.4	4.6462
Sn 189.925	0.9376b	ppb	1.8857	201.1	-1.1326
Sr 216.596	5253.06b	ppb	31.4804	0.6	34550.3
Ti 334.941	-1.2880b	ppb	0.0898	7.0	562.090
Tl 190.794	-7.8165b	ppb	3.8611	49.4	-13.6209
V 292.401	47.9070b	ppb	0.1986	0.4	1429.78
Zn 206.200	236.486b	ppb	0.5383	0.2	810.846

640-43099-a-10-a (Samp) **4/16/2013, 11:24:10 PM** **Rack 3, Tube 40**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7408b	ppb	0.3309	19.0	-64.7763
Al 308.215	65.1809b	ppb	4.2303	6.5	261.838
As 188.980	36.3958b	ppb	2.0236	5.6	-11.8732
B 249.678	2380.59b	ppb	4.4399	0.2	21036.8
Ba 389.178	182.313b	ppb	1.6190	0.9	3339.84
Be 313.042	-0.2480b	ppb	0.0122	4.9	-34.1226
Ca 370.602	778168b	ppb	1098	0.1	3098219
Cd 226.502	0.4300b	ppb	0.1659	38.6	47.1692
Co 228.615	4.6527b	ppb	0.8017	17.2	33.9574
Cr 267.716	-0.9379b	ppb	0.6674	71.2	21.2120
Cu 324.754	59.3336b	ppb	0.4180	0.7	177.867
Fe 271.441	663.573b	ppb	12.9923	2.0	513.489
K 766.491	356158oxb	ppb	227.727	0.1	43481212
Mg 279.078	89881.5b	ppb	134.573	0.1	118168
Mn 257.610	528.126b	ppb	0.7237	0.1	52687.4
Mo 202.032	21.5075b	ppb	1.4239	6.6	85.1845
Na 330.237	87971.5b	ppb	112.169	0.1	5760.28
Ni 231.604	200.540b	ppb	1.2925	0.6	629.604
Pb 220.353	-1.6103b	ppb	2.1098	131.0	0.1365
Sb 206.834	0.9453b	ppb	1.3494	142.7	10.6355
Se 196.026	-18.1300b	ppb	21.2431	117.2	7.8644
Sn 189.925	0.4228b	ppb	2.4003	567.7	-1.4979
Sr 216.596	5291.28b	ppb	4.6351	0.1	34801.7
Ti 334.941	-1.4315b	ppb	0.0874	6.1	539.219

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-2.1593b	ppb	4.7234	218.7	-10.9205
V 292.401	47.5930b	ppb	0.5673	1.2	1420.75
Zn 206.200	235.595b	ppb	1.5088	0.6	807.849

640-43099-a-11-a (Samp) **4/16/2013, 11:29:39 PM** **Rack 3, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5107	ppb	0.9489	185.8	-27.3739
Al 308.215	23.0376	ppb	2.7120	11.8	127.798
As 188.980	-2.5880	ppb	4.9457	191.1	-2.8737
B 249.678	5.1371	ppb	0.8168	15.9	118.363
Ba 389.178	-1.2867	ppb	0.4575	35.6	-23.5776
Be 313.042	-0.1946	ppb	0.0239	12.3	-170.292
Ca 370.602	476.5	ppb	38.45	8.1	1859
Cd 226.502	-0.7871	ppb	0.1628	20.7	16.4629
Co 228.615	-0.8879	ppb	0.1791	20.2	-11.8781
Cr 267.716	-1.5698	ppb	0.0900	5.7	10.1845
Cu 324.754	-1.3284	ppb	0.1598	12.0	93.3053
Fe 271.441	26.5297	ppb	6.3777	24.0	13.7056
K 766.491	384.121	ppb	27.8139	7.2	50893.3
Mg 279.078	55.1868	ppb	10.5191	19.1	103.097
Mn 257.610	-0.8264	ppb	0.0660	8.0	101.767
Mo 202.032	-1.6166	ppb	0.2954	18.3	-1.0523
Na 330.237	194.395	ppb	45.2457	23.3	19.9236
Ni 231.604	-0.6224	ppb	0.8638	138.8	0.5167
Pb 220.353	0.7004	ppb	2.0682	295.3	2.2395
Sb 206.834	0.6309	ppb	2.2147	351.0	2.9898
Se 196.026	2.4853	ppb	6.5457	263.4	4.1755
Sn 189.925	-4.1831	ppb	2.8016	67.0	-1.4294
Sr 216.596	1.7929	ppb	0.7857	43.8	16.2599
Ti 334.941	-0.0339	ppb	0.0249	73.5	-14.9208
Tl 190.794	-1.5612	ppb	3.5442	227.0	-2.8719
V 292.401	-0.2614	ppb	0.2634	100.7	14.7498
Zn 206.200	73.7229	ppb	6.9819	9.5	255.975

640-43136-e-7-b (Samp) **4/16/2013, 11:35:08 PM** **Rack 3, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6708	ppb	0.3736	55.7	-32.3983
Al 308.215	20.2308	ppb	2.1702	10.7	119.076
As 188.980	-0.6166	ppb	4.9467	802.2	-2.0620
B 249.678	6.4480	ppb	0.3067	4.8	129.888
Ba 389.178	-0.7170	ppb	0.3012	42.0	-13.7368
Be 313.042	-0.1590	ppb	0.0104	6.5	-114.172
Ca 370.602	289.6	ppb	2.684	0.9	1113
Cd 226.502	-0.7979	ppb	0.1504	18.8	16.2173
Co 228.615	-1.2531	ppb	0.3344	26.7	-14.9058
Cr 267.716	-1.1338	ppb	0.4387	38.7	17.4616
Cu 324.754	0.3498	ppb	0.2150	61.5	154.602
Fe 271.441	34.8646	ppb	4.3465	12.5	20.2301
K 766.491	104.939	ppb	1.0545	1.0	16812.6

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	27.9013	ppb	4.6161	16.5	67.2076
Mn 257.610	-0.9769	ppb	0.0451	4.6	86.8120
Mo 202.032	-1.0519	ppb	0.2842	27.0	1.0574
Na 330.237	493.788	ppb	119.377	24.2	39.5313
Ni 231.604	-0.1227	ppb	0.4922	401.2	2.0713
Pb 220.353	-0.9425	ppb	2.0417	216.6	0.7761
Sb 206.834	-1.8373	ppb	2.6223	142.7	1.3112
Se 196.026	1.8158	ppb	9.0924	500.7	3.9985
Sn 189.925	-3.0865	ppb	1.8329	59.4	-0.7139
Sr 216.596	-0.8264	ppb	0.9777	118.3	-0.9841
Ti 334.941	0.1430	ppb	0.0155	10.9	23.2689
Tl 190.794	1.8687	ppb	3.1192	166.9	-1.1868
V 292.401	-0.3176	ppb	0.1888	59.5	12.9968
Zn 206.200	93.6664	ppb	0.6894	0.7	323.547

640-43136-c-8-d (Samp) **4/16/2013, 11:40:37 PM** **Rack 3, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0235	ppb	0.1777	757.4	-10.8680
Al 308.215	1257.73	ppb	5.7260	0.5	3965.93
As 188.980	-1.9860	ppb	3.6030	181.4	-2.6844
B 249.678	11.9989	ppb	0.4388	3.7	176.264
Ba 389.178	8.2710	ppb	0.5102	6.2	145.106
Be 313.042	-0.1472	ppb	0.0050	3.4	-92.6144
Ca 370.602	2120	ppb	3.849	0.2	8199
Cd 226.502	-0.8268	ppb	0.1233	14.9	18.0012
Co 228.615	-0.7116	ppb	0.6149	86.4	-10.1644
Cr 267.716	0.7850	ppb	0.1941	24.7	48.8868
Cu 324.754	2.8411	ppb	0.2763	9.7	240.209
Fe 271.441	1114.41	ppb	4.3032	0.4	865.935
K 766.491	1210.46	ppb	1.3806	0.1	151765
Mg 279.078	829.066	ppb	3.0920	0.4	1115.95
Mn 257.610	3.2751	ppb	0.0571	1.7	511.135
Mo 202.032	-0.7505	ppb	0.6978	93.0	2.0433
Na 330.237	858.763	ppb	140.760	16.4	62.7369
Ni 231.604	-0.2140	ppb	1.0214	477.2	1.8885
Pb 220.353	-0.3643	ppb	2.5028	687.1	1.1383
Sb 206.834	3.3765	ppb	2.1689	64.2	4.8808
Se 196.026	0.6500	ppb	11.6896	1798.5	3.7024
Sn 189.925	-3.0365	ppb	3.2677	107.6	-0.6839
Sr 216.596	15.4266	ppb	0.7655	5.0	106.454
Ti 334.941	17.3099	ppb	0.1096	0.6	3753.00
Tl 190.794	2.5514	ppb	4.3316	169.8	-0.9150
V 292.401	3.6935	ppb	0.1394	3.8	131.412
Zn 206.200	70.8982	ppb	0.2349	0.3	246.453

640-43112-d-1-d (Samp) **4/16/2013, 11:46:05 PM** **Rack 3, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9161	ppb	0.1027	11.2	-41.5903
Al 308.215	208.973	ppb	2.0878	1.0	704.189

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	9.4908	ppb	5.9462	62.7	-1.2161
B 249.678	1063.25	ppb	0.5977	0.1	9404.32
Ba 389.178	87.6173	ppb	1.6772	1.9	1599.03
Be 313.042	-0.1765	ppb	0.0057	3.2	-121.319
Ca 370.602	100949	ppb	67.71	0.1	399262
Cd 226.502	-0.7646	ppb	0.3203	41.9	47.8174
Co 228.615	1.2162	ppb	0.3402	28.0	5.8558
Cr 267.716	-0.5341	ppb	0.2530	47.4	20.4626
Cu 324.754	-0.5593	ppb	0.2745	49.1	-144.076
Fe 271.441	13936.4	ppb	29.3867	0.2	10910.0
K 766.491	35650.0	ppb	37.4637	0.1	4355882
Mg 279.078	32230.6	ppb	85.0129	0.3	42338.3
Mn 257.610	305.585	ppb	0.4548	0.1	30525.6
Mo 202.032	0.6362	ppb	0.1846	29.0	5.4311
Na 330.237	62419.7	ppb	127.776	0.2	4082.81
Ni 231.604	4.9752	ppb	1.1632	23.4	20.1221
Pb 220.353	-2.3282	ppb	1.5628	67.1	-0.5664
Sb 206.834	0.8116	ppb	2.5308	311.8	4.4530
Se 196.026	-3.2674	ppb	9.8954	302.8	3.7359
Sn 189.925	-1.5486	ppb	2.3010	148.6	-0.0932
Sr 216.596	579.239	ppb	1.2174	0.2	3822.16
Ti 334.941	1.8050	ppb	0.0155	0.9	493.618
Tl 190.794	2.9059	ppb	6.9593	239.5	-2.2890
V 292.401	0.3331	ppb	0.1705	51.2	34.0846
Zn 206.200	90.2281	ppb	0.3310	0.4	313.479

640-43112-d-2-b (Samp) **4/16/2013, 11:51:34 PM** **Rack 3, Tube 45**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8700	ppb	0.3944	45.3	-38.6376
Al 308.215	45.8866	ppb	4.0801	8.9	198.833
As 188.980	-2.2144	ppb	0.8742	39.5	-2.8373
B 249.678	84.9696	ppb	1.1500	1.4	821.389
Ba 389.178	20.7024	ppb	0.7064	3.4	359.938
Be 313.042	-0.1853	ppb	0.0045	2.4	-155.080
Ca 370.602	4108	ppb	20.10	0.5	16317
Cd 226.502	-0.7437	ppb	0.1420	19.1	17.5197
Co 228.615	-0.8162	ppb	0.3087	37.8	-11.2810
Cr 267.716	-1.2506	ppb	0.2386	19.1	15.5209
Cu 324.754	-0.8979	ppb	0.4444	49.5	99.0904
Fe 271.441	37.2002	ppb	7.4939	20.1	22.0700
K 766.491	3383.85	ppb	10.3624	0.3	417074
Mg 279.078	1059.21	ppb	7.6292	0.7	1422.74
Mn 257.610	3.0987	ppb	0.0911	2.9	492.839
Mo 202.032	-0.9141	ppb	0.5362	58.7	1.5724
Na 330.237	1252.97	ppb	125.183	10.0	89.0958
Ni 231.604	0.3602	ppb	0.4419	122.7	3.6119
Pb 220.353	-0.4153	ppb	1.0246	246.7	1.2417
Sb 206.834	1.3323	ppb	0.3391	25.4	3.5041
Se 196.026	-1.9108	ppb	8.2098	429.6	3.0743
Sn 189.925	-5.8596	ppb	2.7820	47.5	-2.5362
Sr 216.596	19.0634	ppb	0.8417	4.4	129.864
Ti 334.941	0.1281	ppb	0.0265	20.7	24.2643

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-0.7871	ppb	4.3946	558.4	-2.5296
V 292.401	-0.4439	ppb	0.1263	28.5	9.1503
Zn 206.200	43.0489	ppb	0.8922	2.1	152.080

640-43112-d-3-b (Samp) **4/16/2013, 11:57:03 PM** **Rack 3, Tube 46**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8765	ppb	0.6345	72.4	-38.8536
Al 308.215	53.5120	ppb	3.3892	6.3	222.514
As 188.980	-2.5037	ppb	5.2287	208.8	-2.8303
B 249.678	4.6518	ppb	0.1293	2.8	114.022
Ba 389.178	12.7789	ppb	0.5269	4.1	221.143
Be 313.042	-0.1734	ppb	0.0058	3.3	-137.014
Ca 370.602	191.0	ppb	4.411	2.3	716.0
Cd 226.502	-0.8268	ppb	0.1356	16.4	15.5905
Co 228.615	-0.4624	ppb	0.4490	97.1	-8.3423
Cr 267.716	-0.9744	ppb	0.2231	22.9	20.1152
Cu 324.754	6.0576	ppb	0.1987	3.3	361.630
Fe 271.441	59.6398	ppb	4.0667	6.8	39.6519
K 766.491	101.722	ppb	0.9592	0.9	16416.3
Mg 279.078	377.920	ppb	10.0680	2.7	527.168
Mn 257.610	1.3532	ppb	0.0217	1.6	318.332
Mo 202.032	-1.4314	ppb	0.0399	2.8	-0.3638
Na 330.237	1370.23	ppb	62.4394	4.6	96.8171
Ni 231.604	-0.3947	ppb	1.1810	299.2	1.2395
Pb 220.353	0.1713	ppb	1.5215	888.4	1.7648
Sb 206.834	1.8368	ppb	4.0542	220.7	3.8041
Se 196.026	4.0088	ppb	8.1220	202.6	4.5718
Sn 189.925	-2.2050	ppb	1.7799	80.7	-0.1389
Sr 216.596	1.4272	ppb	0.8285	58.0	13.8463
Ti 334.941	0.0411	ppb	0.0666	162.1	0.9943
Tl 190.794	-0.0281	ppb	1.8955	6746.6	-2.1176
V 292.401	-0.3620	ppb	0.3141	86.8	11.8002
Zn 206.200	81.3782	ppb	1.4103	1.7	281.925

X (Samp) **4/17/2013, 12:02:31 AM** **Rack 3, Tube 47**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2470	ppb	0.3189	129.1	-19.0954
Al 308.215	-2.1906	ppb	1.1062	50.5	49.3664
As 188.980	-2.3257	ppb	3.1885	137.1	-2.7507
B 249.678	-1.4300	ppb	0.1681	11.8	60.6105
Ba 389.178	-1.1516	ppb	0.4922	42.7	-21.3916
Be 313.042	-0.2092	ppb	0.0035	1.7	-193.789
Ca 370.602	-12.37	ppb	2.399	19.4	-81.22
Cd 226.502	-0.7758	ppb	0.0456	5.9	16.6507
Co 228.615	-0.8231	ppb	0.0780	9.5	-11.3506
Cr 267.716	-1.6202	ppb	0.1727	10.7	9.3639
Cu 324.754	-1.8449	ppb	0.2918	15.8	75.9190
Fe 271.441	-8.5606	ppb	1.8893	22.1	-13.7815
K 766.491	-13.3824	ppb	0.0910	0.7	2368.82

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-2.9295	ppb	7.1451	243.9	26.8517
Mn 257.610	-1.7906	ppb	0.0283	1.6	6.1557
Mo 202.032	-1.2829	ppb	1.0524	82.0	0.2000
Na 330.237	3.9728	ppb	96.0795	2418.4	7.3670
Ni 231.604	-0.8147	ppb	0.3764	46.2	-0.0867
Pb 220.353	-1.0684	ppb	1.9622	183.7	0.6680
Sb 206.834	2.6836	ppb	1.2309	45.9	4.3789
Se 196.026	-1.6778	ppb	3.7813	225.4	3.0839
Sn 189.925	-5.8645	ppb	3.0714	52.4	-2.5234
Sr 216.596	-1.8640	ppb	0.7382	39.6	-7.8080
Ti 334.941	-0.2842	ppb	0.0622	21.9	-69.8172
Tl 190.794	-1.3819	ppb	2.6977	195.2	-2.7779
V 292.401	-0.6561	ppb	0.1626	24.8	3.0472
Zn 206.200	-0.8018	ppb	0.4428	55.2	3.4623

CRI (Samp) **4/17/2013, 12:08:00 AM** **Rack 3, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.7565	ppb	1.0344	10.6	294.678
Al 308.215	201.115	ppb	11.5693	5.8	682.136
As 188.980	16.2170	ppb	6.1193	37.7	4.8072
B 249.678	94.2172	ppb	2.7181	2.9	902.906
Ba 389.178	9.3760	ppb	0.9656	10.3	162.462
Be 313.042	4.1116	ppb	0.1197	2.9	6643.79
Ca 370.602	507.4	ppb	13.72	2.7	1978
Cd 226.502	4.3084	ppb	0.1489	3.5	137.453
Co 228.615	9.7979	ppb	0.2878	2.9	76.5828
Cr 267.716	9.2116	ppb	0.3345	3.6	190.084
Cu 324.754	19.1725	ppb	0.5267	2.7	835.919
Fe 271.441	57.3037	ppb	2.4531	4.3	38.4040
K 766.491	1008.63	ppb	16.3575	1.6	127127
Mg 279.078	501.919	ppb	18.5660	3.7	690.142
Mn 257.610	9.5357	ppb	0.2583	2.7	1128.55
Mo 202.032	9.4612	ppb	0.7457	7.9	40.3264
Na 330.237	1059.32	ppb	65.8291	6.2	76.3185
Ni 231.604	41.7976	ppb	0.4056	1.0	132.421
Pb 220.353	9.9174	ppb	2.9178	29.4	10.3978
Sb 206.834	17.0851	ppb	3.8937	22.8	14.1520
Se 196.026	21.0611	ppb	10.3000	48.9	9.0279
Sn 189.925	48.6780	ppb	2.3321	4.8	33.0231
Sr 216.596	7.8036	ppb	0.0751	1.0	53.8576
Ti 334.941	9.7918	ppb	0.2426	2.5	2119.22
Tl 190.794	24.4462	ppb	5.0706	20.7	9.9184
V 292.401	9.5975	ppb	0.3625	3.8	302.514
Zn 206.200	21.9828	ppb	0.6619	3.0	80.6374

Cont Calib Verif (CCV) **4/17/2013, 12:13:29 AM** **Rack 3, Tube 49**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.860	ppb	66.4372	13.8	15103.8	96.37198
Al 308.215	4917.83	ppb	338.519	6.9	15624.4	98.35658

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	490.396	ppb	32.4786	6.6	199.391	98.07922
B 249.678	499.742	ppb	31.5963	6.3	4468.78	19.98966Q
Ba 389.178	5147.29	ppb	311.815	6.1	89354.9	102.94576
Be 313.042	514.098	ppb	34.9295	6.8	816036	102.81953
Ca 370.602	5069	ppb	304.0	6.0	19478	101.38824
Cd 226.502	510.704	ppb	34.3906	6.7	12165.0	102.14072
Co 228.615	520.137	ppb	32.0837	6.2	4306.35	104.02731
Cr 267.716	5181.18	ppb	335.374	6.5	86489.6	103.62358
Cu 324.754	5019.05	ppb	541.178	10.8	181844	100.38094
Fe 271.441	4971.58	ppb	343.988	6.9	3951.82	99.43161
K 766.491	9856.03	ppb	478.217	4.9	1205840	98.56031
Mg 279.078	4912.21	ppb	313.888	6.4	6456.65	98.24410
Mn 257.610	5289.07	ppb	397.625	7.5	523631	105.78133
Mo 202.032	494.631	ppb	33.1781	6.7	1842.96	98.92629
Na 330.237	7331.90	ppb	418.628	5.7	484.906	97.75861
Ni 231.604	2609.73	ppb	145.325	5.6	8118.94	104.38934
Pb 220.353	503.000	ppb	31.2471	6.2	443.318	100.59993
Sb 206.834	924.722	ppb	66.5287	7.2	666.691	36.98888Q
Se 196.026	4852.57	ppb	295.775	6.1	1270.81	97.05148
Sn 189.925	5038.70	ppb	343.547	6.8	3285.16	100.77402
Sr 216.596	2499.83	ppb	159.818	6.4	16315.0	99.99327
Ti 334.941	495.752	ppb	33.1293	6.7	107965	99.15037
Tl 190.794	5010.14	ppb	290.373	5.8	2463.79	100.20286
V 292.401	4938.63	ppb	322.327	6.5	145309	98.77270
Zn 206.200	2592.05	ppb	160.462	6.2	8767.44	103.68217

Cont Calib Blank (CCB) **4/17/2013, 12:18:58 AM** **Rack 3, Tube 50**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8581	ppb	0.7113	82.9	-38.2707	-0.85814
Al 308.215	-6.8427	ppb	1.3915	20.3	34.9187	-6.84272
As 188.980	-2.7792	ppb	2.2080	79.4	-2.9358	-2.77923
B 249.678	-1.7117	ppb	0.9772	57.1	58.1135	-1.71174
Ba 389.178	-0.9305	ppb	0.5604	60.2	-17.5476	-0.93050
Be 313.042	-0.1823	ppb	0.0111	6.1	-150.952	-0.18225
Ca 370.602	-15.34	ppb	2.486	16.2	-94.28	-15.33682
Cd 226.502	-0.6653	ppb	0.2192	33.0	19.2883	-0.66527
Co 228.615	-1.0011	ppb	0.2305	23.0	-12.8225	-1.00114
Cr 267.716	-1.3366	ppb	0.2206	16.5	14.0917	-1.33658
Cu 324.754	-1.4141	ppb	0.3070	21.7	91.5269	-1.41405
Fe 271.441	-0.4029	ppb	2.1531	534.4	-7.3933	-0.40290
K 766.491	-12.7716	ppb	0.9453	7.4	2443.40	-12.77160
Mg 279.078	-5.9701	ppb	0.9063	15.2	22.8286	-5.97014
Mn 257.610	-1.7347	ppb	0.0587	3.4	11.6855	-1.73475
Mo 202.032	-0.9397	ppb	0.9254	98.5	1.4814	-0.93967
Na 330.237	6.2000	ppb	57.1823	922.3	7.5081	6.20000
Ni 231.604	-1.0889	ppb	0.8533	78.4	-0.9385	-1.08895
Pb 220.353	0.5807	ppb	2.8091	483.7	2.1354	0.58073
Sb 206.834	4.0874	ppb	2.7089	66.3	5.3308	4.08743
Se 196.026	3.9513	ppb	5.0438	127.6	4.5528	3.95129
Sn 189.925	-1.6622	ppb	1.1108	66.8	0.2153	-1.66223
Sr 216.596	-2.3260	ppb	0.8362	36.0	-10.8298	-2.32596
Ti 334.941	-0.1848	ppb	0.0467	25.3	-48.2181	-0.18481

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-0.5326	ppb	4.7782	897.1	-2.3609	-0.53262
V 292.401	-0.3646	ppb	0.2841	77.9	11.6493	-0.36465
Zn 206.200	-1.4039	ppb	0.7370	52.5	1.4204	-1.40391

(Samp) **4/17/2013, 12:24:26 AM** **Rack 3, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3658	ppb	0.0875	23.9	-22.8239
Al 308.215	-20.4786	ppb	1.0656	5.2	-7.4826
As 188.980	-0.2321	ppb	0.9047	389.9	-1.8949
B 249.678	-5.4310	ppb	0.3051	5.6	25.3507
Ba 389.178	-1.5919	ppb	0.1623	10.2	-29.0314
Be 313.042	-0.3260	ppb	0.0143	4.4	-378.441
Ca 370.602	-15.21	ppb	2.021	13.3	-95.36
Cd 226.502	-1.1188	ppb	0.0468	4.2	8.5419
Co 228.615	-0.3411	ppb	0.1218	35.7	-7.3584
Cr 267.716	-1.7722	ppb	0.1775	10.0	6.8198
Cu 324.754	-3.4760	ppb	0.2290	6.6	16.8604
Fe 271.441	7.4929	ppb	1.7136	22.9	-1.1837
K 766.491	-19.6066	ppb	0.4828	2.5	1609.09
Mg 279.078	-12.7027	ppb	1.9343	15.2	13.9466
Mn 257.610	-1.8603	ppb	0.0414	2.2	-0.7504
Mo 202.032	-1.4123	ppb	0.0655	4.6	-0.2862
Na 330.237	28.8777	ppb	42.0004	145.4	8.9870
Ni 231.604	-0.9981	ppb	0.9301	93.2	-0.6543
Pb 220.353	-0.8257	ppb	2.3932	289.8	0.8883
Sb 206.834	1.1981	ppb	1.0154	84.8	3.3694
Se 196.026	0.5200	ppb	3.2149	618.2	3.6569
Sn 189.925	-3.6068	ppb	0.7907	21.9	-1.0520
Sr 216.596	-1.2636	ppb	0.0822	6.5	-3.8482
Ti 334.941	-0.2454	ppb	0.0057	2.3	-61.4047
Tl 190.794	1.8601	ppb	1.6999	91.4	-1.1856
V 292.401	-0.6457	ppb	0.0352	5.5	3.3445
Zn 206.200	-1.7746	ppb	0.5067	28.6	0.1661

(Samp) **4/17/2013, 12:29:55 AM** **Rack 3, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3164	ppb	0.1717	54.3	-21.2740
Al 308.215	-20.3545	ppb	2.0100	9.9	-7.0952
As 188.980	-0.2738	ppb	2.2718	829.7	-1.9120
B 249.678	-5.7427	ppb	0.1558	2.7	22.6139
Ba 389.178	-1.6370	ppb	0.2426	14.8	-29.8135
Be 313.042	-0.3219	ppb	0.0077	2.4	-372.086
Ca 370.602	-16.03	ppb	0.6469	4.0	-98.06
Cd 226.502	-1.1258	ppb	0.1203	10.7	8.3681
Co 228.615	-0.1039	ppb	0.4156	400.0	-5.3964
Cr 267.716	-1.7231	ppb	0.0311	1.8	7.6401
Cu 324.754	-3.5311	ppb	0.1764	5.0	14.8679
Fe 271.441	4.7546	ppb	5.9298	124.7	-3.3233
K 766.491	-19.5906	ppb	0.3336	1.7	1611.07

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-12.3383	ppb	4.7033	38.1	14.4371
Mn 257.610	-1.8182	ppb	0.0279	1.5	3.4104
Mo 202.032	-1.0466	ppb	0.5555	53.1	1.0809
Na 330.237	92.8711	ppb	38.0618	41.0	13.1733
Ni 231.604	-0.5834	ppb	0.2694	46.2	0.6340
Pb 220.353	-0.3394	ppb	3.0298	892.8	1.3210
Sb 206.834	-0.3487	ppb	1.8312	525.1	2.3170
Se 196.026	-5.7150	ppb	2.5444	44.5	2.0299
Sn 189.925	-3.2808	ppb	1.7025	51.9	-0.8396
Sr 216.596	-1.3146	ppb	0.1075	8.2	-4.2014
Ti 334.941	-0.2739	ppb	0.0178	6.5	-67.5858
Tl 190.794	0.9514	ppb	3.0062	316.0	-1.6316
V 292.401	-0.6475	ppb	0.1151	17.8	3.2605
Zn 206.200	-1.9226	ppb	0.4014	20.9	-0.3356

(Samp) **4/17/2013, 12:35:24 AM** **Rack 3, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1378	ppb	0.4073	295.6	-15.6694
Al 308.215	-18.9972	ppb	1.0759	5.7	-2.8713
As 188.980	0.4322	ppb	1.9580	453.0	-1.6235
B 249.678	-5.8252	ppb	0.1928	3.3	21.8841
Ba 389.178	-1.5348	ppb	0.5266	34.3	-28.0449
Be 313.042	-0.3214	ppb	0.0051	1.6	-371.109
Ca 370.602	-15.15	ppb	1.436	9.5	-94.30
Cd 226.502	-1.1261	ppb	0.0685	6.1	8.3577
Co 228.615	-0.5686	ppb	0.3491	61.4	-9.2445
Cr 267.716	-1.7566	ppb	0.2153	12.3	7.0813
Cu 324.754	-3.3600	ppb	0.1226	3.6	21.0649
Fe 271.441	3.6578	ppb	3.4417	94.1	-4.1960
K 766.491	-19.5340	ppb	0.1616	0.8	1617.93
Mg 279.078	-14.2414	ppb	2.0036	14.1	11.9413
Mn 257.610	-1.8692	ppb	0.0254	1.4	-1.6343
Mo 202.032	-0.8413	ppb	0.4574	54.4	1.8482
Na 330.237	78.0289	ppb	76.9382	98.6	12.2028
Ni 231.604	-0.3360	ppb	0.7076	210.6	1.4059
Pb 220.353	-0.4527	ppb	2.8048	619.6	1.2204
Sb 206.834	-2.4174	ppb	0.1939	8.0	0.9116
Se 196.026	-6.4668	ppb	2.4777	38.3	1.8337
Sn 189.925	-1.5952	ppb	2.2565	141.5	0.2590
Sr 216.596	-1.2682	ppb	0.3718	29.3	-3.9083
Ti 334.941	-0.2301	ppb	0.0363	15.8	-58.0899
Tl 190.794	4.9327	ppb	1.3950	28.3	0.3229
V 292.401	-0.5720	ppb	0.1026	17.9	5.4901
Zn 206.200	-1.9753	ppb	0.2311	11.7	-0.5142

(Samp) **4/17/2013, 12:40:53 AM** **Rack 3, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7088	ppb	0.2477	34.9	-33.5853
Al 308.215	-19.2079	ppb	1.5822	8.2	-3.5462

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.2194	ppb	3.2190	1467.4	-1.7105
B 249.678	-6.2285	ppb	0.4171	6.7	18.3364
Ba 389.178	-1.6484	ppb	0.6549	39.7	-30.0124
Be 313.042	-0.3189	ppb	0.0037	1.1	-367.274
Ca 370.602	-14.51	ppb	1.252	8.6	-92.67
Cd 226.502	-1.1387	ppb	0.1015	8.9	8.0707
Co 228.615	0.0054	ppb	0.1010	1860.3	-4.4823
Cr 267.716	-1.6198	ppb	0.1837	11.3	9.3622
Cu 324.754	-3.3809	ppb	0.0545	1.6	20.3042
Fe 271.441	7.4811	ppb	2.4659	33.0	-1.1795
K 766.491	-19.6596	ppb	0.2110	1.1	1602.67
Mg 279.078	-14.4145	ppb	2.3824	16.5	11.6938
Mn 257.610	-1.8605	ppb	0.0208	1.1	-0.7728
Mo 202.032	-1.4718	ppb	0.2799	19.0	-0.5085
Na 330.237	39.5518	ppb	12.1211	30.6	9.6853
Ni 231.604	-0.6233	ppb	0.3775	60.6	0.5103
Pb 220.353	-0.6445	ppb	3.1132	483.0	1.0501
Sb 206.834	-0.3840	ppb	0.4803	125.1	2.2944
Se 196.026	-0.7578	ppb	4.7414	625.7	3.3235
Sn 189.925	-3.6919	ppb	1.4148	38.3	-1.1075
Sr 216.596	-1.2123	ppb	0.7584	62.6	-3.5168
Ti 334.941	-0.2881	ppb	0.0091	3.1	-70.6613
Tl 190.794	1.0627	ppb	2.7884	262.4	-1.5763
V 292.401	-0.6897	ppb	0.1955	28.4	2.1411
Zn 206.200	-1.6021	ppb	0.1705	10.6	0.7501

(Samp) **4/17/2013, 12:46:21 AM** **Rack 3, Tube 55**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4325	ppb	0.5013	115.9	-24.9155
Al 308.215	-18.7830	ppb	1.6179	8.6	-2.2155
As 188.980	1.5440	ppb	4.6157	298.9	-1.1690
B 249.678	-6.2344	ppb	0.2558	4.1	18.2778
Ba 389.178	-1.4271	ppb	0.2536	17.8	-26.1743
Be 313.042	-0.3219	ppb	0.0023	0.7	-371.973
Ca 370.602	-15.17	ppb	1.179	7.8	-94.88
Cd 226.502	-1.1989	ppb	0.0369	3.1	6.6370
Co 228.615	-0.5031	ppb	0.0774	15.4	-8.6991
Cr 267.716	-1.7908	ppb	0.2115	11.8	6.5107
Cu 324.754	-3.4404	ppb	0.1931	5.6	18.1494
Fe 271.441	6.3512	ppb	1.3971	22.0	-2.0841
K 766.491	-19.7258	ppb	0.1912	1.0	1594.47
Mg 279.078	-14.7215	ppb	3.1454	21.4	11.2998
Mn 257.610	-1.8362	ppb	0.0268	1.5	1.6257
Mo 202.032	-1.3025	ppb	0.4028	30.9	0.1246
Na 330.237	86.9762	ppb	42.4381	48.8	12.7873
Ni 231.604	-0.8210	ppb	0.1790	21.8	-0.1050
Pb 220.353	-1.1476	ppb	1.1830	103.1	0.6018
Sb 206.834	0.8006	ppb	2.8901	361.0	3.1015
Se 196.026	-6.4190	ppb	1.6698	26.0	1.8462
Sn 189.925	-3.3006	ppb	0.4352	13.2	-0.8524
Sr 216.596	-1.4931	ppb	0.4989	33.4	-5.3601
Ti 334.941	-0.2894	ppb	0.0108	3.7	-70.9580

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-0.0660	ppb	2.5798	3907.2	-2.1314
V 292.401	-0.6721	ppb	0.0961	14.3	2.5774
Zn 206.200	-1.8513	ppb	0.1759	9.5	-0.0947

(Samp) **4/17/2013, 12:51:50 AM** **Rack 3, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4179	ppb	0.3486	83.4	-24.4585
Al 308.215	-19.6068	ppb	0.9550	4.9	-4.7768
As 188.980	-0.2804	ppb	2.8222	1006.6	-1.9148
B 249.678	-6.2742	ppb	0.2704	4.3	17.9294
Ba 389.178	-1.4448	ppb	0.2103	14.6	-26.4810
Be 313.042	-0.3226	ppb	0.0022	0.7	-373.070
Ca 370.602	-13.69	ppb	2.203	16.1	-88.87
Cd 226.502	-1.1000	ppb	0.1513	13.8	8.9831
Co 228.615	-0.3993	ppb	0.1536	38.5	-7.8377
Cr 267.716	-1.4978	ppb	0.2173	14.5	11.4011
Cu 324.754	-3.3323	ppb	0.2224	6.7	22.0620
Fe 271.441	5.6892	ppb	6.5082	114.4	-2.6032
K 766.491	-19.9030	ppb	0.0690	0.3	1572.88
Mg 279.078	-11.2458	ppb	1.1783	10.5	15.8703
Mn 257.610	-1.8452	ppb	0.0185	1.0	0.7383
Mo 202.032	-1.4901	ppb	0.3524	23.6	-0.5767
Na 330.237	93.3243	ppb	40.5306	43.4	13.2028
Ni 231.604	-0.4294	ppb	0.5707	132.9	1.1124
Pb 220.353	1.5374	ppb	1.4972	97.4	2.9925
Sb 206.834	-0.1760	ppb	1.2646	718.5	2.4382
Se 196.026	-1.9018	ppb	6.1714	324.5	3.0250
Sn 189.925	-2.9413	ppb	1.2615	42.9	-0.6183
Sr 216.596	-1.2949	ppb	0.1934	14.9	-4.0729
Ti 334.941	-0.3087	ppb	0.0381	12.3	-75.1284
Tl 190.794	0.2465	ppb	2.3641	959.1	-1.9778
V 292.401	-0.6137	ppb	0.1735	28.3	4.3244
Zn 206.200	-1.9366	ppb	0.5023	25.9	-0.3840

(Samp) **4/17/2013, 12:57:19 AM** **Rack 3, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6177	ppb	0.2622	42.5	-30.7247
Al 308.215	-21.5017	ppb	1.5908	7.4	-10.6706
As 188.980	0.4038	ppb	3.6726	909.5	-1.6350
B 249.678	-6.4566	ppb	0.3149	4.9	16.3259
Ba 389.178	-1.6772	ppb	0.4663	27.8	-30.5127
Be 313.042	-0.3169	ppb	0.0066	2.1	-364.025
Ca 370.602	-16.47	ppb	1.751	10.6	-100.1
Cd 226.502	-1.1117	ppb	0.0206	1.9	8.7057
Co 228.615	-0.1676	ppb	0.2010	119.9	-5.9189
Cr 267.716	-1.6920	ppb	0.1339	7.9	8.1592
Cu 324.754	-3.3900	ppb	0.0870	2.6	19.9781
Fe 271.441	6.1626	ppb	4.3666	70.9	-2.2221
K 766.491	-19.7839	ppb	0.2051	1.0	1587.48

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-11.9723	ppb	3.6516	30.5	14.9114
Mn 257.610	-1.8446	ppb	0.0037	0.2	0.7991
Mo 202.032	-1.2745	ppb	0.7118	55.8	0.2291
Na 330.237	95.3042	ppb	16.8070	17.6	13.3321
Ni 231.604	-0.7211	ppb	0.6373	88.4	0.2074
Pb 220.353	-1.3180	ppb	1.4829	112.5	0.4504
Sb 206.834	0.6415	ppb	3.3540	522.8	2.9913
Se 196.026	-1.3564	ppb	3.7944	279.7	3.1673
Sn 189.925	-1.4256	ppb	1.3180	92.5	0.3695
Sr 216.596	-1.6336	ppb	0.2922	17.9	-6.2853
Ti 334.941	-0.2968	ppb	0.0149	5.0	-72.5570
Tl 190.794	2.4592	ppb	0.9236	37.6	-0.8910
V 292.401	-0.6887	ppb	0.1415	20.5	2.1251
Zn 206.200	-1.6796	ppb	0.1245	7.4	0.4877

(Samp) **4/17/2013, 1:02:47 AM** **Rack 3, Tube 58**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2138	ppb	0.1793	83.9	-18.0564
Al 308.215	-19.5181	ppb	0.4937	2.5	-4.5040
As 188.980	-0.5251	ppb	4.1662	793.4	-2.0148
B 249.678	-6.8272	ppb	0.4223	6.2	13.0560
Ba 389.178	-1.3142	ppb	0.3642	27.7	-24.2099
Be 313.042	-0.3242	ppb	0.0016	0.5	-375.738
Ca 370.602	-14.09	ppb	0.8295	5.9	-90.89
Cd 226.502	-1.1209	ppb	0.1465	13.1	8.4912
Co 228.615	-0.2686	ppb	0.1833	68.2	-6.7569
Cr 267.716	-1.7401	ppb	0.3299	19.0	7.3564
Cu 324.754	-3.3515	ppb	0.1424	4.2	21.3711
Fe 271.441	7.2623	ppb	1.1683	16.1	-1.3655
K 766.491	-19.8562	ppb	0.2938	1.5	1578.56
Mg 279.078	-13.8482	ppb	2.4159	17.4	12.4407
Mn 257.610	-1.8583	ppb	0.0259	1.4	-0.5481
Mo 202.032	-0.7802	ppb	0.3897	50.0	2.0765
Na 330.237	108.497	ppb	28.7770	26.5	14.1936
Ni 231.604	-0.3930	ppb	0.2574	65.5	1.2267
Pb 220.353	-1.0592	ppb	1.2517	118.2	0.6804
Sb 206.834	-0.5138	ppb	1.3465	262.1	2.2070
Se 196.026	-8.1608	ppb	2.3669	29.0	1.3916
Sn 189.925	-2.1903	ppb	1.0409	47.5	-0.1289
Sr 216.596	-0.8806	ppb	0.4410	50.1	-1.3534
Ti 334.941	-0.2724	ppb	0.0066	2.4	-67.2546
Tl 190.794	0.9787	ppb	2.2017	225.0	-1.6184
V 292.401	-0.7322	ppb	0.0335	4.6	0.8018
Zn 206.200	-2.0429	ppb	0.4927	24.1	-0.7434

(Samp) **4/17/2013, 1:08:16 AM** **Rack 3, Tube 59**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1371	ppb	0.1006	73.4	-15.6471
Al 308.215	-18.8154	ppb	1.3035	6.9	-2.3209

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.8519	ppb	0.9889	25.7	-0.2259
B 249.678	-6.6279	ppb	0.2179	3.3	14.8265
Ba 389.178	-1.3718	ppb	0.4541	33.1	-25.2172
Be 313.042	-0.3187	ppb	0.0047	1.5	-366.924
Ca 370.602	-14.32	ppb	1.310	9.1	-90.92
Cd 226.502	-1.1926	ppb	0.0652	5.5	6.7798
Co 228.615	-0.2460	ppb	0.2268	92.2	-6.5675
Cr 267.716	-1.9582	ppb	0.1048	5.4	3.7180
Cu 324.754	-3.3482	ppb	0.0558	1.7	21.4878
Fe 271.441	2.8699	ppb	1.1199	39.0	-4.7988
K 766.491	-19.9072	ppb	0.5298	2.7	1572.38
Mg 279.078	-11.5631	ppb	1.3278	11.5	15.4630
Mn 257.610	-1.8654	ppb	0.0440	2.4	-1.2643
Mo 202.032	-1.2919	ppb	0.1915	14.8	0.1646
Na 330.237	63.7164	ppb	40.2831	63.2	11.2672
Ni 231.604	-0.4771	ppb	0.5311	111.3	0.9646
Pb 220.353	-0.4032	ppb	1.6419	407.2	1.2649
Sb 206.834	-1.0378	ppb	1.5380	148.2	1.8477
Se 196.026	-6.8834	ppb	2.7573	40.1	1.7251
Sn 189.925	-1.8103	ppb	0.9198	50.8	0.1188
Sr 216.596	-1.0547	ppb	0.3259	30.9	-2.4931
Ti 334.941	-0.2855	ppb	0.0131	4.6	-70.1220
Tl 190.794	1.1991	ppb	2.8005	233.6	-1.5095
V 292.401	-0.6824	ppb	0.1669	24.5	2.3257
Zn 206.200	-2.0693	ppb	0.4095	19.8	-0.8321

(Samp) **4/17/2013, 1:13:45 AM** **Rack 3, Tube 60**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2906	ppb	0.0721	24.8	-20.4639
Al 308.215	-19.4812	ppb	0.6943	3.6	-4.3871
As 188.980	3.6724	ppb	1.3312	36.2	-0.2990
B 249.678	-6.5422	ppb	0.6200	9.5	15.5803
Ba 389.178	-1.2823	ppb	0.4081	31.8	-23.6628
Be 313.042	-0.3219	ppb	0.0026	0.8	-371.920
Ca 370.602	-16.10	ppb	1.070	6.6	-98.01
Cd 226.502	-1.1327	ppb	0.0679	6.0	8.2001
Co 228.615	-0.3140	ppb	0.3138	99.9	-7.1311
Cr 267.716	-1.6794	ppb	0.0916	5.5	8.3716
Cu 324.754	-3.3515	ppb	0.1464	4.4	21.3696
Fe 271.441	2.5941	ppb	1.3816	53.3	-5.0154
K 766.491	-19.8089	ppb	0.0806	0.4	1584.31
Mg 279.078	-12.8044	ppb	0.8205	6.4	13.8312
Mn 257.610	-1.8605	ppb	0.0496	2.7	-0.7769
Mo 202.032	-1.6162	ppb	0.1419	8.8	-1.0474
Na 330.237	98.1021	ppb	57.1207	58.2	13.5163
Ni 231.604	-0.9460	ppb	0.0590	6.2	-0.4936
Pb 220.353	-0.1098	ppb	2.6811	2442.3	1.5261
Sb 206.834	-1.4437	ppb	0.8613	59.7	1.5805
Se 196.026	-7.1578	ppb	0.7313	10.2	1.6534
Sn 189.925	-5.6770	ppb	1.0162	17.9	-2.4011
Sr 216.596	-1.5857	ppb	0.1676	10.6	-5.9645
Ti 334.941	-0.2763	ppb	0.0256	9.3	-68.1102

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-0.3663	ppb	1.9257	525.7	-2.2781
V 292.401	-0.6516	ppb	0.0772	11.8	3.2031
Zn 206.200	-1.8784	ppb	0.5609	29.9	-0.1859

Cont Calib Verif (CCV) **4/17/2013, 1:19:14 AM** **Rack 4, Tube 1**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5200	ppb	0.3850	74.0	-27.6599	-0.10400Q
Al 308.215	-20.2362	ppb	1.9069	9.4	-6.7331	-0.40472Q
As 188.980	-0.3573	ppb	1.6891	472.8	-1.9461	-0.07145Q
B 249.678	-6.8138	ppb	0.4757	7.0	13.1889	-0.27255Q
Ba 389.178	-1.6250	ppb	0.1466	9.0	-29.6125	-0.03250Q
Be 313.042	-0.3175	ppb	0.0061	1.9	-365.023	-0.06349Q
Ca 370.602	-15.64	ppb	1.676	10.7	-95.82	-0.31283Q
Cd 226.502	-1.1544	ppb	0.0694	6.0	7.6809	-0.23089Q
Co 228.615	-0.4722	ppb	0.2290	48.5	-8.4429	-0.09443Q
Cr 267.716	-1.7456	ppb	0.0535	3.1	7.2677	-0.03491Q
Cu 324.754	-3.3711	ppb	0.0744	2.2	20.6629	-0.06742Q
Fe 271.441	0.6427	ppb	1.3083	203.6	-6.5511	0.01285Q
K 766.491	-19.8783	ppb	0.1043	0.5	1575.91	-0.19878Q
Mg 279.078	-11.5072	ppb	1.0712	9.3	15.5442	-0.23014Q
Mn 257.610	-1.8516	ppb	0.0026	0.1	0.0997	-0.03703Q
Mo 202.032	-1.2923	ppb	0.1491	11.5	0.1632	-0.25847Q
Na 330.237	64.4984	ppb	32.7854	50.8	11.3200	0.85998Q
Ni 231.604	-0.3657	ppb	0.4320	118.1	1.3105	-0.01463Q
Pb 220.353	-1.2953	ppb	1.6381	126.5	0.4704	-0.25906Q
Sb 206.834	-1.0110	ppb	0.9642	95.4	1.8701	-0.04044Q
Se 196.026	-4.5983	ppb	0.8932	19.4	2.3214	-0.09197Q
Sn 189.925	-3.5200	ppb	0.4878	13.9	-0.9955	-0.07040Q
Sr 216.596	-1.4053	ppb	0.2374	16.9	-4.8061	-0.05621Q
Ti 334.941	-0.2620	ppb	0.0208	7.9	-64.9922	-0.05240Q
Tl 190.794	0.1997	ppb	1.6584	830.3	-2.0005	0.00399Q
V 292.401	-0.6868	ppb	0.0788	11.5	2.1358	-0.01374Q
Zn 206.200	-1.6711	ppb	0.1220	7.3	0.5159	-0.06684Q

Cont Calib Blank (CCB) **4/17/2013, 1:24:43 AM** **Rack 4, Tube 2**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2425	ppb	0.2191	90.3	-18.9568	-0.24251
Al 308.215	-19.2193	ppb	0.8295	4.3	-3.5742	-19.21929
As 188.980	-0.0632	ppb	2.7363	4329.2	-1.8260	-0.06321
B 249.678	-6.6201	ppb	0.0891	1.3	14.8849	-6.62014
Ba 389.178	-1.7022	ppb	0.4937	29.0	-30.9450	-1.70216
Be 313.042	-0.3181	ppb	0.0012	0.4	-365.974	-0.31810
Ca 370.602	-13.71	ppb	2.943	21.5	-89.13	-13.71086
Cd 226.502	-1.1750	ppb	0.0528	4.5	7.2054	-1.17497
Co 228.615	-0.2136	ppb	0.2381	111.5	-6.2992	-0.21361
Cr 267.716	-1.7379	ppb	0.3366	19.4	7.3920	-1.73795
Cu 324.754	-3.2856	ppb	0.3277	10.0	23.7516	-3.28562
Fe 271.441	6.2339	ppb	1.0550	16.9	-2.1673	6.23389
K 766.491	-19.8686	ppb	0.2421	1.2	1577.14	-19.86855

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-15.6428	ppb	1.7752	11.3	10.0872	-15.64284
Mn 257.610	-1.8800	ppb	0.0244	1.3	-2.7055	-1.88004
Mo 202.032	-1.5363	ppb	0.5345	34.8	-0.7493	-1.53629
Na 330.237	124.599	ppb	85.0088	68.2	15.2472	124.59945
Ni 231.604	-0.7065	ppb	0.5338	75.6	0.2540	-0.70650
Pb 220.353	-0.5983	ppb	1.6416	274.4	1.0911	-0.59831
Sb 206.834	-1.6068	ppb	0.7113	44.3	1.4651	-1.60684
Se 196.026	-4.9332	ppb	1.0455	21.2	2.2339	-4.93321
Sn 189.925	-2.1838	ppb	1.4446	66.1	-0.1247	-2.18385
Sr 216.596	-1.2154	ppb	0.1448	11.9	-3.5380	-1.21537
Ti 334.941	-0.2639	ppb	0.0152	5.7	-65.4063	-0.26387
Tl 190.794	3.5117	ppb	2.3721	67.5	-0.3743	3.51170
V 292.401	-0.6542	ppb	0.0934	14.3	3.1354	-0.65421
Zn 206.200	-1.9952	ppb	0.6228	31.2	-0.5818	-1.99515

680-88811-a-87-a (Samp) **4/17/2013, 1:30:13 AM** **Rack 4, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5107	ppb	0.0920	18.0	-27.3704
Al 308.215	-19.2578	ppb	1.4598	7.6	-3.6937
As 188.980	-0.1737	ppb	6.9365	3993.3	-1.8713
B 249.678	-7.0534	ppb	0.2269	3.2	11.0672
Ba 389.178	-0.9960	ppb	0.1912	19.2	-18.6949
Be 313.042	-0.3157	ppb	0.0035	1.1	-362.166
Ca 370.602	-13.48	ppb	1.921	14.3	-88.39
Cd 226.502	-1.1960	ppb	0.0650	5.4	6.7081
Co 228.615	-0.0811	ppb	0.2394	295.1	-5.2009
Cr 267.716	-1.9226	ppb	0.2161	11.2	4.3095
Cu 324.754	-3.4423	ppb	0.0861	2.5	18.0794
Fe 271.441	7.2010	ppb	2.0954	29.1	-1.4113
K 766.491	-20.0945	ppb	0.1529	0.8	1549.38
Mg 279.078	-12.8906	ppb	1.9803	15.4	13.7013
Mn 257.610	-1.8615	ppb	0.0139	0.7	-0.8764
Mo 202.032	-1.4701	ppb	0.3376	23.0	-0.5020
Na 330.237	93.4769	ppb	52.1484	55.8	13.2122
Ni 231.604	-0.3953	ppb	0.5722	144.8	1.2194
Pb 220.353	-1.3478	ppb	1.0738	79.7	0.4241
Sb 206.834	-0.5065	ppb	0.9349	184.6	2.2139
Se 196.026	-1.6661	ppb	3.6509	219.1	3.0865
Sn 189.925	-3.2944	ppb	0.1334	4.0	-0.8484
Sr 216.596	-1.0877	ppb	0.0982	9.0	-2.7109
Ti 334.941	-0.2978	ppb	0.0206	6.9	-72.7853
Tl 190.794	1.0708	ppb	2.1142	197.4	-1.5728
V 292.401	-0.6212	ppb	0.0813	13.1	4.1371
Zn 206.200	-1.7451	ppb	0.1326	7.6	0.2664

680-88811-a-88-a (Samp) **4/17/2013, 1:35:42 AM** **Rack 4, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2437	ppb	0.3522	144.5	-18.9943
Al 308.215	-19.4158	ppb	1.1250	5.8	-4.1862

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-1.8130	ppb	3.4221	188.8	-2.5411
B 249.678	-6.6088	ppb	0.2765	4.2	14.9831
Ba 389.178	-1.6953	ppb	0.5698	33.6	-30.8283
Be 313.042	-0.3231	ppb	0.0086	2.7	-374.027
Ca 370.602	-15.13	ppb	1.560	10.3	-94.49
Cd 226.502	-1.0909	ppb	0.0846	7.8	9.1981
Co 228.615	-0.4282	ppb	0.2781	64.9	-8.0793
Cr 267.716	-1.7542	ppb	0.0962	5.5	7.1220
Cu 324.754	-3.4822	ppb	0.1197	3.4	16.6401
Fe 271.441	4.8031	ppb	2.0465	42.6	-3.2976
K 766.491	-19.9211	ppb	0.3389	1.7	1570.73
Mg 279.078	-13.6661	ppb	0.4354	3.2	12.6914
Mn 257.610	-1.8373	ppb	0.0305	1.7	1.5167
Mo 202.032	-1.3852	ppb	0.5720	41.3	-0.1841
Na 330.237	66.5047	ppb	27.1756	40.9	11.4491
Ni 231.604	-0.6340	ppb	0.2767	43.6	0.4769
Pb 220.353	-1.6289	ppb	1.1031	67.7	0.1733
Sb 206.834	-2.4673	ppb	0.8822	35.8	0.8784
Se 196.026	-13.2648	ppb	4.5780	34.5	0.0597
Sn 189.925	-2.5555	ppb	1.5827	61.9	-0.3669
Sr 216.596	-1.1578	ppb	0.1968	17.0	-3.1671
Ti 334.941	-0.2725	ppb	0.0112	4.1	-67.2939
Tl 190.794	0.3094	ppb	1.7609	569.1	-1.9471
V 292.401	-0.7430	ppb	0.0940	12.7	0.4827
Zn 206.200	-1.8293	ppb	0.1912	10.5	-0.0196

680-88789-a-1-b (Samp) **4/17/2013, 1:41:12 AM** **Rack 4, Tube 5**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4736	ppb	0.3174	67.0	-26.2052
Al 308.215	-20.5816	ppb	2.4468	11.9	-7.8092
As 188.980	2.1553	ppb	2.0667	95.9	-0.9193
B 249.678	-6.4226	ppb	0.4365	6.8	16.6136
Ba 389.178	-1.3375	ppb	0.3525	26.4	-24.6203
Be 313.042	-0.3237	ppb	0.0027	0.8	-374.779
Ca 370.602	-14.18	ppb	0.7625	5.4	-91.19
Cd 226.502	-1.1149	ppb	0.1274	11.4	8.6322
Co 228.615	-0.5073	ppb	0.1065	21.0	-8.7321
Cr 267.716	-1.7052	ppb	0.2826	16.6	7.9387
Cu 324.754	-3.3584	ppb	0.1211	3.6	21.1202
Fe 271.441	7.5882	ppb	2.0352	26.8	-1.1248
K 766.491	-19.9511	ppb	0.2513	1.3	1566.98
Mg 279.078	-12.3204	ppb	0.8171	6.6	14.4499
Mn 257.610	-1.8133	ppb	0.0073	0.4	3.8968
Mo 202.032	-1.3515	ppb	0.3801	28.1	-0.0586
Na 330.237	59.3612	ppb	11.9776	20.2	10.9805
Ni 231.604	-0.5626	ppb	0.8150	144.8	0.6993
Pb 220.353	-1.5215	ppb	1.6858	110.8	0.2689
Sb 206.834	-1.6373	ppb	0.6765	41.3	1.4440
Se 196.026	-8.9075	ppb	4.6480	52.2	1.1967
Sn 189.925	-3.8372	ppb	0.9178	23.9	-1.2022
Sr 216.596	-1.4135	ppb	0.3994	28.3	-4.8465
Ti 334.941	-0.2616	ppb	0.0121	4.6	-64.9231

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.7520	ppb	1.1260	149.7	-1.7301
V 292.401	-0.6960	ppb	0.0826	11.9	1.8885
Zn 206.200	-1.8632	ppb	0.4981	26.7	-0.1347

mb 680-271368/25-a (Samp) **4/17/2013, 1:46:41 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2989	ppb	0.2596	86.8	-20.7256
Al 308.215	-19.3861	ppb	1.8125	9.3	-4.0820
As 188.980	1.3235	ppb	4.3665	329.9	-1.2590
B 249.678	-6.9164	ppb	0.5574	8.1	12.2834
Ba 389.178	-1.3916	ppb	0.2154	15.5	-25.5625
Be 313.042	-0.3206	ppb	0.0053	1.7	-369.904
Ca 370.602	-15.80	ppb	0.4788	3.0	-96.80
Cd 226.502	-1.1405	ppb	0.0407	3.6	8.0148
Co 228.615	-0.1958	ppb	0.1790	91.4	-6.1553
Cr 267.716	-1.4839	ppb	0.2663	17.9	11.6337
Cu 324.754	-3.3429	ppb	0.0768	2.3	21.6787
Fe 271.441	3.1623	ppb	4.8134	152.2	-4.5685
K 766.491	-19.9175	ppb	0.1740	0.9	1571.12
Mg 279.078	-13.5125	ppb	1.3039	9.6	12.9007
Mn 257.610	-1.8514	ppb	0.0322	1.7	0.1184
Mo 202.032	-1.2912	ppb	0.4488	34.8	0.1668
Na 330.237	102.098	ppb	36.9473	36.2	13.7778
Ni 231.604	-0.9325	ppb	0.7855	84.2	-0.4496
Pb 220.353	-1.1646	ppb	1.7278	148.4	0.5864
Sb 206.834	-1.6022	ppb	0.5418	33.8	1.4682
Se 196.026	-6.7735	ppb	4.2706	63.0	1.7537
Sn 189.925	-3.7178	ppb	0.6887	18.5	-1.1243
Sr 216.596	-1.5462	ppb	0.1730	11.2	-5.7093
Ti 334.941	-0.2737	ppb	0.0272	9.9	-67.5368
Tl 190.794	4.2459	ppb	1.5467	36.4	-0.0136
V 292.401	-0.5487	ppb	0.1439	26.2	6.1997
Zn 206.200	-1.7870	ppb	0.5731	32.1	0.1232

190-337-a-1-b (Samp) **4/17/2013, 1:52:11 AM** **Rack 4, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1948	ppb	0.4205	215.9	-17.4599
Al 308.215	-18.5961	ppb	2.5397	13.7	-1.6486
As 188.980	-1.3041	ppb	0.8118	62.3	-2.3332
B 249.678	-6.4160	ppb	0.1979	3.1	16.6917
Ba 389.178	-1.9494	ppb	0.4923	25.3	-35.2378
Be 313.042	-0.3238	ppb	0.0098	3.0	-375.073
Ca 370.602	-14.59	ppb	0.8247	5.7	-92.22
Cd 226.502	-1.1898	ppb	0.0719	6.0	6.8480
Co 228.615	-0.2040	ppb	0.0827	40.5	-6.2197
Cr 267.716	-1.5477	ppb	0.2586	16.7	10.5708
Cu 324.754	-3.4062	ppb	0.2559	7.5	19.3902
Fe 271.441	4.1460	ppb	0.5713	13.8	-3.7968
K 766.491	-19.8398	ppb	0.2515	1.3	1580.72

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-10.6050	ppb	2.2343	21.1	16.7177
Mn 257.610	-1.8314	ppb	0.0298	1.6	2.1028
Mo 202.032	-1.4018	ppb	0.3339	23.8	-0.2461
Na 330.237	101.670	ppb	37.0553	36.4	13.7498
Ni 231.604	-0.4538	ppb	0.9753	214.9	1.0388
Pb 220.353	-1.1225	ppb	2.0188	179.8	0.6243
Sb 206.834	-2.0014	ppb	1.3929	69.6	1.1954
Se 196.026	-2.8587	ppb	1.4929	52.2	2.7753
Sn 189.925	-1.0903	ppb	1.3504	123.9	0.5880
Sr 216.596	-1.2912	ppb	0.1482	11.5	-4.0473
Ti 334.941	-0.3220	ppb	0.0093	2.9	-78.0233
Tl 190.794	3.2716	ppb	3.1334	95.8	-0.4920
V 292.401	-0.8425	ppb	0.0799	9.5	-2.4030
Zn 206.200	-1.6698	ppb	0.0972	5.8	0.5201

CRI (Samp) **4/17/2013, 1:57:40 AM** **Rack 4, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4635	ppb	0.1783	38.5	-25.8895
Al 308.215	-19.1333	ppb	1.2869	6.7	-3.3168
As 188.980	3.9495	ppb	3.3510	84.8	-0.1859
B 249.678	-6.8653	ppb	0.2299	3.3	12.7319
Ba 389.178	-1.5884	ppb	0.1461	9.2	-28.9765
Be 313.042	-0.3167	ppb	0.0056	1.8	-363.739
Ca 370.602	-15.32	ppb	2.235	14.6	-95.31
Cd 226.502	-1.1358	ppb	0.1389	12.2	8.1328
Co 228.615	-0.1989	ppb	0.3785	190.3	-6.1728
Cr 267.716	-1.6331	ppb	0.0659	4.0	9.1428
Cu 324.754	-3.4009	ppb	0.2376	7.0	19.5780
Fe 271.441	4.5217	ppb	2.4311	53.8	-3.5072
K 766.491	-19.9923	ppb	0.0878	0.4	1562.01
Mg 279.078	-12.3748	ppb	2.1998	17.8	14.3871
Mn 257.610	-1.8192	ppb	0.0244	1.3	3.3096
Mo 202.032	-0.8877	ppb	0.1467	16.5	1.6750
Na 330.237	87.3457	ppb	127.787	146.3	12.8115
Ni 231.604	-1.1156	ppb	0.4922	44.1	-1.0192
Pb 220.353	-0.6929	ppb	0.6799	98.1	1.0072
Sb 206.834	-0.6280	ppb	2.9807	474.7	2.1333
Se 196.026	-2.8575	ppb	4.1627	145.7	2.7756
Sn 189.925	-3.5174	ppb	2.1338	60.7	-0.9937
Sr 216.596	-1.4014	ppb	0.3394	24.2	-4.7402
Ti 334.941	-0.2487	ppb	0.0123	4.9	-62.1087
Tl 190.794	2.6089	ppb	1.8549	71.1	-0.8172
V 292.401	-0.7287	ppb	0.0661	9.1	0.9999
Zn 206.200	-1.9559	ppb	0.1471	7.5	-0.4487

CCV (Samp) **4/17/2013, 2:03:10 AM** **Rack 4, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2375	ppb	0.1033	43.5	-18.7984
Al 308.215	-19.0575	ppb	1.6502	8.7	-3.0604

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-0.1150	ppb	1.4552	1265.4	-1.8470
B 249.678	-6.6821	ppb	0.5160	7.7	14.3335
Ba 389.178	-1.4876	ppb	0.0387	2.6	-27.2218
Be 313.042	-0.3226	ppb	0.0075	2.3	-373.049
Ca 370.602	-13.89	ppb	0.4501	3.2	-89.65
Cd 226.502	-1.1962	ppb	0.0644	5.4	6.6985
Co 228.615	-0.5849	ppb	0.2364	40.4	-9.3788
Cr 267.716	-1.6787	ppb	0.0964	5.7	8.3817
Cu 324.754	-3.3160	ppb	0.0859	2.6	22.6526
Fe 271.441	5.9909	ppb	5.2339	87.4	-2.3700
K 766.491	-20.2151	ppb	0.3747	1.9	1534.80
Mg 279.078	-11.1928	ppb	0.4360	3.9	15.9403
Mn 257.610	-1.8471	ppb	0.0454	2.5	0.5517
Mo 202.032	-1.2256	ppb	0.1988	16.2	0.4120
Na 330.237	112.283	ppb	31.9377	28.4	14.4424
Ni 231.604	-0.8522	ppb	0.2379	27.9	-0.2008
Pb 220.353	0.1572	ppb	1.0063	640.3	1.7630
Sb 206.834	-1.7205	ppb	1.6419	95.4	1.3899
Se 196.026	-5.5716	ppb	3.4273	61.5	2.0674
Sn 189.925	-3.4598	ppb	1.6613	48.0	-0.9562
Sr 216.596	-1.2386	ppb	0.1722	13.9	-3.6909
Ti 334.941	-0.2816	ppb	0.0305	10.8	-69.2403
Tl 190.794	1.6007	ppb	2.6521	165.7	-1.3132
V 292.401	-0.5657	ppb	0.0907	16.0	5.6735
Zn 206.200	-2.0269	ppb	0.2334	11.5	-0.6899

CCB (Samp) **4/17/2013, 2:08:39 AM** **Rack 4, Tube 10**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1952	ppb	0.0347	17.8	-17.4721
Al 308.215	-19.2534	ppb	0.5220	2.7	-3.6848
As 188.980	0.4419	ppb	0.8968	202.9	-1.6194
B 249.678	-6.7518	ppb	0.3072	4.5	13.7229
Ba 389.178	-1.7550	ppb	0.4492	25.6	-31.8612
Be 313.042	-0.3214	ppb	0.0061	1.9	-371.231
Ca 370.602	-16.23	ppb	0.2292	1.4	-99.09
Cd 226.502	-1.1022	ppb	0.0303	2.7	8.9313
Co 228.615	-0.4194	ppb	0.1681	40.1	-8.0036
Cr 267.716	-1.6334	ppb	0.0447	2.7	9.1382
Cu 324.754	-3.5439	ppb	0.2246	6.3	14.4032
Fe 271.441	5.6454	ppb	4.5036	79.8	-2.6376
K 766.491	-20.0574	ppb	0.2455	1.2	1554.11
Mg 279.078	-12.4443	ppb	1.8980	15.3	14.2926
Mn 257.610	-1.8640	ppb	0.0107	0.6	-1.1215
Mo 202.032	-1.4858	ppb	0.4031	27.1	-0.5605
Na 330.237	97.7399	ppb	23.5189	24.1	13.4905
Ni 231.604	-1.0885	ppb	0.3841	35.3	-0.9349
Pb 220.353	-0.2189	ppb	1.4581	666.2	1.4289
Sb 206.834	-1.2581	ppb	1.2638	100.4	1.7041
Se 196.026	-6.7215	ppb	4.9733	74.0	1.7672
Sn 189.925	-3.6966	ppb	0.9728	26.3	-1.1106
Sr 216.596	-1.1747	ppb	0.6782	57.7	-3.2562
Ti 334.941	-0.3010	ppb	0.0128	4.3	-73.4617

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.4920	ppb	2.8128	188.5	-1.3663
V 292.401	-0.7307	ppb	0.1169	16.0	0.8879
Zn 206.200	-2.3949	ppb	0.0685	2.9	-1.9364

(Samp) **4/17/2013, 2:14:09 AM** **Rack 4, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4034	ppb	0.5363	132.9	-24.0026
Al 308.215	-19.5994	ppb	2.0351	10.4	-4.7602
As 188.980	3.4978	ppb	2.9738	85.0	-0.3704
B 249.678	-6.3896	ppb	0.0845	1.3	16.9184
Ba 389.178	-1.5617	ppb	0.1747	11.2	-28.5111
Be 313.042	-0.3179	ppb	0.0017	0.5	-365.681
Ca 370.602	-15.13	ppb	2.597	17.2	-94.36
Cd 226.502	-1.1611	ppb	0.0378	3.3	7.5300
Co 228.615	-0.4182	ppb	0.0703	16.8	-7.9938
Cr 267.716	-1.8437	ppb	0.2546	13.8	5.6282
Cu 324.754	-3.3553	ppb	0.1306	3.9	21.2273
Fe 271.441	4.6379	ppb	4.0513	87.4	-3.4243
K 766.491	-19.9800	ppb	0.0536	0.3	1563.50
Mg 279.078	-13.3701	ppb	3.2228	24.1	13.0838
Mn 257.610	-1.8340	ppb	0.0330	1.8	1.8488
Mo 202.032	-1.5558	ppb	0.5571	35.8	-0.8218
Na 330.237	57.4965	ppb	83.0826	144.5	10.8601
Ni 231.604	-1.2845	ppb	0.3731	29.0	-1.5451
Pb 220.353	-0.6038	ppb	1.0077	166.9	1.0863
Sb 206.834	-0.0953	ppb	1.5426	1619.5	2.4884
Se 196.026	-10.2350	ppb	1.3091	12.8	0.8504
Sn 189.925	-1.5910	ppb	1.1814	74.3	0.2617
Sr 216.596	-1.5445	ppb	0.4468	28.9	-5.6792
Ti 334.941	-0.2804	ppb	0.0139	4.9	-69.0070
Tl 190.794	0.9828	ppb	1.9395	197.3	-1.6161
V 292.401	-0.7477	ppb	0.2049	27.4	0.3888
Zn 206.200	-2.0183	ppb	0.3251	16.1	-0.6598

(Samp) **4/17/2013, 2:19:38 AM** **Rack 4, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3135	ppb	0.1026	32.7	-21.1852
Al 308.215	-20.0656	ppb	1.1853	5.9	-6.2103
As 188.980	1.0067	ppb	1.2106	120.3	-1.3886
B 249.678	-6.6251	ppb	0.3933	5.9	14.8223
Ba 389.178	-1.3049	ppb	0.1858	14.2	-24.0460
Be 313.042	-0.3149	ppb	0.0020	0.6	-360.911
Ca 370.602	-15.06	ppb	0.6385	4.2	-95.60
Cd 226.502	-1.1305	ppb	0.1000	8.8	8.2722
Co 228.615	-0.6348	ppb	0.3183	50.1	-9.7878
Cr 267.716	-1.6845	ppb	0.1417	8.4	8.2809
Cu 324.754	-3.1964	ppb	0.2519	7.9	26.9892
Fe 271.441	11.9573	ppb	3.0445	25.5	2.3030
K 766.491	-20.1723	ppb	0.0614	0.3	1539.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-13.0388	ppb	1.0688	8.2	13.4873
Mn 257.610	-1.8550	ppb	0.0082	0.4	-0.2198
Mo 202.032	-1.4386	ppb	0.1831	12.7	-0.3846
Na 330.237	53.4950	ppb	18.4059	34.4	10.5943
Ni 231.604	-1.1627	ppb	0.0873	7.5	-1.1653
Pb 220.353	-0.6104	ppb	1.9191	314.4	1.0802
Sb 206.834	-0.0767	ppb	0.9211	1201.2	2.5037
Se 196.026	-6.0344	ppb	7.4842	124.0	1.9464
Sn 189.925	-2.4356	ppb	1.7697	72.7	-0.2888
Sr 216.596	-1.2036	ppb	0.4145	34.4	-3.4398
Ti 334.941	-0.2808	ppb	0.0167	5.9	-69.0855
Tl 190.794	1.7768	ppb	1.6144	90.9	-1.2269
V 292.401	-0.7347	ppb	0.0186	2.5	0.7626
Zn 206.200	-2.2307	ppb	0.2813	12.6	-1.3796

Cont Calib Verif (CCV) **4/17/2013, 2:25:08 AM** **Rack 4, Tube 13**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0776	ppb	0.1611	207.7	-13.7824	-0.01551Q
Al 308.215	-19.3561	ppb	2.0027	10.3	-3.9951	-0.38712Q
As 188.980	2.6227	ppb	1.3425	51.2	-0.7281	0.52453Q
B 249.678	-6.6873	ppb	0.1726	2.6	14.3016	-0.26749Q
Ba 389.178	-1.8658	ppb	0.4009	21.5	-33.7851	-0.03732Q
Be 313.042	-0.3172	ppb	0.0087	2.8	-364.424	-0.06343Q
Ca 370.602	-14.79	ppb	0.9520	6.4	-93.12	-0.29589Q
Cd 226.502	-1.1336	ppb	0.0793	7.0	8.1826	-0.22673Q
Co 228.615	-0.2732	ppb	0.2121	77.6	-6.7933	-0.05465Q
Cr 267.716	-1.5711	ppb	0.0943	6.0	10.1781	-0.03142Q
Cu 324.754	-3.3100	ppb	0.1889	5.7	22.8678	-0.06620Q
Fe 271.441	4.1552	ppb	5.3018	127.6	-3.7869	0.08310Q
K 766.491	-19.9882	ppb	0.2916	1.5	1562.59	-0.19988Q
Mg 279.078	-11.2627	ppb	1.7479	15.5	15.8512	-0.22525Q
Mn 257.610	-1.8712	ppb	0.0434	2.3	-1.8293	-0.03742Q
Mo 202.032	-1.1668	ppb	0.8258	70.8	0.6315	-0.23337Q
Na 330.237	97.2718	ppb	57.1056	58.7	13.4615	1.29696Q
Ni 231.604	-0.9822	ppb	0.6773	69.0	-0.6041	-0.03929Q
Pb 220.353	0.0743	ppb	1.0741	1446.2	1.6898	0.01485Q
Sb 206.834	-0.1893	ppb	2.0566	1086.2	2.4270	-0.00757Q
Se 196.026	-5.2806	ppb	5.7680	109.2	2.1433	-0.10561Q
Sn 189.925	-2.8060	ppb	1.0882	38.8	-0.5301	-0.05612Q
Sr 216.596	-1.1380	ppb	0.1253	11.0	-3.0194	-0.04552Q
Ti 334.941	-0.2891	ppb	0.0314	10.9	-70.8780	-0.05782Q
Tl 190.794	3.2382	ppb	3.1395	97.0	-0.5081	0.06476Q
V 292.401	-0.5800	ppb	0.1137	19.6	5.3263	-0.01160Q
Zn 206.200	-1.7295	ppb	0.1501	8.7	0.3177	-0.06918Q

Cont Calib Blank (CCB) **4/17/2013, 2:30:37 AM** **Rack 4, Tube 14**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3399	ppb	0.2328	68.5	-22.0113	-0.33993
Al 308.215	-20.6654	ppb	0.2508	1.2	-8.0626	-20.66542

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	2.5208	ppb	1.6666	66.1	-0.7698	2.52080
B 249.678	-6.2213	ppb	0.1787	2.9	18.3949	-6.22134
Ba 389.178	-1.3000	ppb	0.4362	33.6	-23.9710	-1.30001
Be 313.042	-0.3200	ppb	0.0036	1.1	-369.046	-0.32002
Ca 370.602	-15.50	ppb	2.220	14.3	-95.96	-15.49510
Cd 226.502	-1.0850	ppb	0.0758	7.0	9.3361	-1.08504
Co 228.615	-0.5064	ppb	0.1170	23.1	-8.7297	-0.50640
Cr 267.716	-1.8096	ppb	0.3248	17.9	6.1971	-1.80958
Cu 324.754	-3.6192	ppb	0.0603	1.7	11.6791	-3.61916
Fe 271.441	4.3825	ppb	7.2223	164.8	-3.6241	4.38247
K 766.491	-19.8729	ppb	0.2540	1.3	1576.54	-19.87288
Mg 279.078	-12.4790	ppb	1.3080	10.5	14.2516	-12.47897
Mn 257.610	-1.8319	ppb	0.0648	3.5	2.0529	-1.83189
Mo 202.032	-1.2853	ppb	0.2089	16.3	0.1889	-1.28532
Na 330.237	71.0348	ppb	30.9616	43.6	11.7450	71.03477
Ni 231.604	-0.4728	ppb	0.4304	91.0	0.9793	-0.47281
Pb 220.353	0.4371	ppb	1.0642	243.5	2.0126	0.43711
Sb 206.834	0.7387	ppb	2.4829	336.1	3.0561	0.73870
Se 196.026	-2.4216	ppb	1.5208	62.8	2.8894	-2.42156
Sn 189.925	-1.7481	ppb	0.7660	43.8	0.1593	-1.74814
Sr 216.596	-1.3683	ppb	0.4218	30.8	-4.5591	-1.36825
Ti 334.941	-0.2880	ppb	0.0481	16.7	-70.6441	-0.28798
Tl 190.794	3.3944	ppb	1.5144	44.6	-0.4324	3.39444
V 292.401	-0.6693	ppb	0.0547	8.2	2.6233	-0.66929
Zn 206.200	-2.0597	ppb	0.2918	14.2	-0.8002	-2.05965

(Samp) **4/17/2013, 2:36:07 AM** **Rack 4, Tube 15**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2407	ppb	0.2458	102.1	-18.8994
Al 308.215	-18.9009	ppb	0.4925	2.6	-2.5764
As 188.980	2.2186	ppb	1.0437	47.0	-0.8933
B 249.678	-6.8008	ppb	0.3162	4.6	13.2928
Ba 389.178	-1.3979	ppb	0.2835	20.3	-25.6699
Be 313.042	-0.3199	ppb	0.0016	0.5	-368.867
Ca 370.602	-14.93	ppb	1.648	11.0	-93.42
Cd 226.502	-1.0845	ppb	0.1222	11.3	9.3453
Co 228.615	-0.4643	ppb	0.2988	64.4	-8.3816
Cr 267.716	-1.8526	ppb	0.0479	2.6	5.4802
Cu 324.754	-3.3616	ppb	0.0783	2.3	21.0024
Fe 271.441	4.4284	ppb	3.7190	84.0	-3.5923
K 766.491	-20.0157	ppb	0.1486	0.7	1559.11
Mg 279.078	-11.1697	ppb	4.4291	39.7	15.9782
Mn 257.610	-1.8574	ppb	0.0086	0.5	-0.4705
Mo 202.032	-0.9096	ppb	0.3605	39.6	1.5933
Na 330.237	55.4824	ppb	98.9090	178.3	10.7282
Ni 231.604	-0.8231	ppb	0.7135	86.7	-0.1102
Pb 220.353	-0.6589	ppb	0.8819	133.8	1.0367
Sb 206.834	-1.5498	ppb	1.0466	67.5	1.5025
Se 196.026	-0.5091	ppb	7.3663	1446.8	3.3885
Sn 189.925	-4.0914	ppb	1.9448	47.5	-1.3678
Sr 216.596	-1.4215	ppb	0.3784	26.6	-4.8967
Ti 334.941	-0.2668	ppb	0.0206	7.7	-66.0428

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	2.5546	ppb	0.8506	33.3	-0.8449
V 292.401	-0.6712	ppb	0.0348	5.2	2.5533
Zn 206.200	-2.1597	ppb	0.2213	10.2	-1.1390

(Samp) **4/17/2013, 2:41:36 AM** **Rack 4, Tube 16**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2096	ppb	0.2844	135.7	-17.9229
Al 308.215	-20.7864	ppb	1.2844	6.2	-8.4422
As 188.980	2.5251	ppb	4.1955	166.2	-0.7680
B 249.678	-6.6285	ppb	0.2275	3.4	14.8133
Ba 389.178	-1.5393	ppb	0.0962	6.2	-28.1219
Be 313.042	-0.3169	ppb	0.0025	0.8	-364.232
Ca 370.602	-16.58	ppb	0.3518	2.1	-100.1
Cd 226.502	-1.1087	ppb	0.0521	4.7	8.7710
Co 228.615	-0.4084	ppb	0.3155	77.3	-7.9187
Cr 267.716	-1.7838	ppb	0.3349	18.8	6.6287
Cu 324.754	-3.2210	ppb	0.1069	3.3	26.1040
Fe 271.441	3.5243	ppb	5.8792	166.8	-4.2937
K 766.491	-19.9636	ppb	0.1930	1.0	1565.50
Mg 279.078	-12.9559	ppb	4.5745	35.3	13.6298
Mn 257.610	-1.8480	ppb	0.0250	1.4	0.4620
Mo 202.032	-1.1742	ppb	0.3252	27.7	0.6045
Na 330.237	81.2227	ppb	27.0996	33.4	12.4124
Ni 231.604	-0.7325	ppb	0.6361	86.8	0.1721
Pb 220.353	-0.0788	ppb	0.1582	200.7	1.5531
Sb 206.834	-0.7467	ppb	4.2473	568.8	2.0475
Se 196.026	-4.8159	ppb	1.3708	28.5	2.2645
Sn 189.925	-2.3186	ppb	0.3832	16.5	-0.2125
Sr 216.596	-1.1884	ppb	0.2644	22.3	-3.3681
Ti 334.941	-0.2805	ppb	0.0400	14.3	-69.0353
Tl 190.794	3.7220	ppb	1.8181	48.8	-0.2715
V 292.401	-0.7413	ppb	0.0884	11.9	0.4953
Zn 206.200	-1.7282	ppb	0.3410	19.7	0.3233

(Samp) **4/17/2013, 2:47:06 AM** **Rack 4, Tube 17**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2485	ppb	0.3194	128.6	-19.1435
Al 308.215	-20.5396	ppb	0.9979	4.9	-7.6877
As 188.980	0.0066	ppb	5.3403	81392.9	-1.7975
B 249.678	-6.6642	ppb	0.4609	6.9	14.4962
Ba 389.178	-1.5424	ppb	0.6479	42.0	-28.1750
Be 313.042	-0.3173	ppb	0.0055	1.7	-364.796
Ca 370.602	-13.93	ppb	0.8823	6.3	-89.87
Cd 226.502	-1.0982	ppb	0.0791	7.2	9.0259
Co 228.615	-0.5365	ppb	0.1028	19.2	-8.9702
Cr 267.716	-1.7898	ppb	0.2435	13.6	6.5269
Cu 324.754	-3.4968	ppb	0.1836	5.2	16.1016
Fe 271.441	5.1628	ppb	3.0846	59.7	-3.0175
K 766.491	-20.1387	ppb	0.3165	1.6	1544.15

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-13.6745	ppb	0.7860	5.7	12.6768
Mn 257.610	-1.8412	ppb	0.0149	0.8	1.1355
Mo 202.032	-1.7672	ppb	0.1233	7.0	-1.6119
Na 330.237	122.263	ppb	58.1658	47.6	15.0955
Ni 231.604	-0.8891	ppb	0.6984	78.6	-0.3161
Pb 220.353	-0.8757	ppb	2.3228	265.2	0.8445
Sb 206.834	-1.8155	ppb	0.1991	11.0	1.3220
Se 196.026	-3.4494	ppb	4.3628	126.5	2.6211
Sn 189.925	-3.3553	ppb	1.0194	30.4	-0.8881
Sr 216.596	-1.1896	ppb	0.4052	34.1	-3.3584
Ti 334.941	-0.2953	ppb	0.0142	4.8	-72.2436
Tl 190.794	0.8751	ppb	1.1289	129.0	-1.6690
V 292.401	-0.7175	ppb	0.0480	6.7	1.3312
Zn 206.200	-1.6815	ppb	0.2373	14.1	0.4810

(Samp) **4/17/2013, 2:52:35 AM** **Rack 4, Tube 18**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1305	ppb	0.2567	196.7	-15.4396
Al 308.215	-19.6626	ppb	2.8807	14.7	-4.9451
As 188.980	1.3539	ppb	4.2576	314.5	-1.2466
B 249.678	-6.3840	ppb	0.3201	5.0	16.9708
Ba 389.178	-1.6874	ppb	0.5318	31.5	-30.6920
Be 313.042	-0.3204	ppb	0.0052	1.6	-369.690
Ca 370.602	-15.21	ppb	1.393	9.2	-94.08
Cd 226.502	-1.1491	ppb	0.0471	4.1	7.8075
Co 228.615	-0.3494	ppb	0.4383	125.4	-7.4295
Cr 267.716	-1.9124	ppb	0.0467	2.4	4.4840
Cu 324.754	-3.4153	ppb	0.0460	1.3	19.0543
Fe 271.441	1.0733	ppb	3.4836	324.6	-6.2169
K 766.491	-19.8452	ppb	0.3796	1.9	1579.99
Mg 279.078	-13.1117	ppb	0.9314	7.1	13.4358
Mn 257.610	-1.8438	ppb	0.0109	0.6	0.8819
Mo 202.032	-1.2269	ppb	0.3309	27.0	0.4077
Na 330.237	53.6562	ppb	67.6100	126.0	10.6105
Ni 231.604	-1.2967	ppb	0.6394	49.3	-1.5819
Pb 220.353	-1.4699	ppb	0.7698	52.4	0.3146
Sb 206.834	-1.4587	ppb	1.5594	106.9	1.5639
Se 196.026	-3.6913	ppb	6.4786	175.5	2.5581
Sn 189.925	-2.7393	ppb	1.0196	37.2	-0.4867
Sr 216.596	-1.2657	ppb	0.1903	15.0	-3.8556
Ti 334.941	-0.2762	ppb	0.0623	22.5	-68.0944
Tl 190.794	3.0821	ppb	2.4893	80.8	-0.5857
V 292.401	-0.6964	ppb	0.0306	4.4	1.8174
Zn 206.200	-1.9410	ppb	0.0767	4.0	-0.3980

(Samp) **4/17/2013, 2:58:05 AM** **Rack 4, Tube 19**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4032	ppb	0.3591	89.1	-23.9961
Al 308.215	-19.9797	ppb	0.8495	4.3	-5.9466

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.0114	ppb	3.3070	327.0	-1.3867
B 249.678	-6.4414	ppb	0.2937	4.6	16.4688
Ba 389.178	-1.6215	ppb	0.3751	23.1	-29.5501
Be 313.042	-0.3153	ppb	0.0049	1.6	-361.616
Ca 370.602	-15.65	ppb	1.139	7.3	-96.26
Cd 226.502	-1.2151	ppb	0.0262	2.2	6.2457
Co 228.615	-0.2774	ppb	0.3093	111.5	-6.8274
Cr 267.716	-1.8207	ppb	0.0952	5.2	6.0130
Cu 324.754	-3.3138	ppb	0.0194	0.6	22.7372
Fe 271.441	2.7384	ppb	3.7731	137.8	-4.9014
K 766.491	-19.9303	ppb	0.1984	1.0	1569.60
Mg 279.078	-13.1585	ppb	2.2750	17.3	13.3656
Mn 257.610	-1.8594	ppb	0.0257	1.4	-0.6677
Mo 202.032	-1.2461	ppb	0.1343	10.8	0.3359
Na 330.237	109.529	ppb	20.0135	18.3	14.2635
Ni 231.604	-0.8787	ppb	0.3513	40.0	-0.2844
Pb 220.353	-1.4628	ppb	2.5629	175.2	0.3218
Sb 206.834	-1.2679	ppb	1.3202	104.1	1.6940
Se 196.026	-9.9321	ppb	0.4435	4.5	0.9294
Sn 189.925	-2.8485	ppb	0.9988	35.1	-0.5578
Sr 216.596	-1.2111	ppb	0.1705	14.1	-3.5042
Ti 334.941	-0.2979	ppb	0.0222	7.5	-72.8177
Tl 190.794	0.0768	ppb	0.8388	1092.0	-2.0606
V 292.401	-0.8020	ppb	0.0560	7.0	-1.2020
Zn 206.200	-1.9465	ppb	0.4199	21.6	-0.4161

(Samp) **4/17/2013, 3:03:34 AM** **Rack 4, Tube 20**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2516	ppb	0.2254	89.6	-19.2425
Al 308.215	-19.4840	ppb	1.2521	6.4	-4.4015
As 188.980	-0.2383	ppb	3.5986	1509.8	-1.8976
B 249.678	-6.5131	ppb	0.1285	2.0	15.8312
Ba 389.178	-1.3617	ppb	0.4291	31.5	-25.0421
Be 313.042	-0.3165	ppb	0.0053	1.7	-363.495
Ca 370.602	-13.48	ppb	1.466	10.9	-88.02
Cd 226.502	-1.1341	ppb	0.0868	7.7	8.1722
Co 228.615	-0.0955	ppb	0.0180	18.8	-5.3233
Cr 267.716	-1.7087	ppb	0.1993	11.7	7.8829
Cu 324.754	-3.2970	ppb	0.2313	7.0	23.3451
Fe 271.441	5.0540	ppb	4.3600	86.3	-3.0874
K 766.491	-20.0885	ppb	0.1972	1.0	1550.23
Mg 279.078	-12.8878	ppb	0.4435	3.4	13.7126
Mn 257.610	-1.8325	ppb	0.0036	0.2	1.9916
Mo 202.032	-1.2804	ppb	0.5488	42.9	0.2075
Na 330.237	108.489	ppb	32.4874	29.9	14.1943
Ni 231.604	-0.4931	ppb	0.6120	124.1	0.9155
Pb 220.353	-0.2375	ppb	0.9575	403.2	1.4122
Sb 206.834	-1.5735	ppb	1.3439	85.4	1.4871
Se 196.026	-0.4145	ppb	5.7845	1395.5	3.4131
Sn 189.925	-3.7425	ppb	1.0372	27.7	-1.1404
Sr 216.596	-1.2804	ppb	0.0925	7.2	-3.9779
Ti 334.941	-0.2712	ppb	0.0021	0.8	-66.9911

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.6843	ppb	3.8558	228.9	-1.2716
V 292.401	-0.8037	ppb	0.1071	13.3	-1.3072
Zn 206.200	-2.0420	ppb	0.0858	4.2	-0.7405

(Samp) **4/17/2013, 3:09:04 AM** **Rack 4, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4401	ppb	0.1592	36.2	-25.1530
Al 308.215	-19.4711	ppb	2.4989	12.8	-4.3577
As 188.980	-1.0138	ppb	1.1246	110.9	-2.2144
B 249.678	-6.6353	ppb	0.1957	2.9	14.7563
Ba 389.178	-2.0273	ppb	0.4191	20.7	-36.5942
Be 313.042	-0.3188	ppb	0.0023	0.7	-367.141
Ca 370.602	-15.56	ppb	1.228	7.9	-95.88
Cd 226.502	-1.0626	ppb	0.0981	9.2	9.8659
Co 228.615	-0.3536	ppb	0.1603	45.3	-7.4612
Cr 267.716	-1.7392	ppb	0.2489	14.3	7.3726
Cu 324.754	-3.2789	ppb	0.0778	2.4	24.0007
Fe 271.441	2.7590	ppb	1.7402	63.1	-4.8942
K 766.491	-19.7647	ppb	0.2000	1.0	1589.90
Mg 279.078	-9.4918	ppb	1.2201	12.9	18.1849
Mn 257.610	-1.8434	ppb	0.0229	1.2	0.9155
Mo 202.032	-1.6576	ppb	0.5757	34.7	-1.2021
Na 330.237	53.8403	ppb	31.0182	57.6	10.6215
Ni 231.604	-0.6027	ppb	0.3236	53.7	0.5746
Pb 220.353	-1.2630	ppb	1.4738	116.7	0.4991
Sb 206.834	-1.3882	ppb	3.2271	232.5	1.6116
Se 196.026	-4.8017	ppb	1.1342	23.6	2.2683
Sn 189.925	-2.5789	ppb	0.9073	35.2	-0.3821
Sr 216.596	-1.3774	ppb	0.2280	16.6	-4.6110
Ti 334.941	-0.3108	ppb	0.0359	11.6	-75.6041
Tl 190.794	2.1918	ppb	1.3773	62.8	-1.0225
V 292.401	-0.6914	ppb	0.0897	13.0	2.0214
Zn 206.200	-2.0675	ppb	0.2268	11.0	-0.8270

(Samp) **4/17/2013, 3:14:33 AM** **Rack 4, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3110	ppb	0.3131	100.7	-21.1068
Al 308.215	-20.6704	ppb	1.0197	4.9	-8.0945
As 188.980	1.0849	ppb	5.1871	478.1	-1.3568
B 249.678	-6.8942	ppb	0.2006	2.9	12.4762
Ba 389.178	-1.2977	ppb	0.2501	19.3	-23.9354
Be 313.042	-0.3184	ppb	0.0017	0.5	-366.429
Ca 370.602	-14.33	ppb	0.4729	3.3	-91.45
Cd 226.502	-1.1278	ppb	0.0905	8.0	8.3241
Co 228.615	-0.3220	ppb	0.4476	139.0	-7.1925
Cr 267.716	-1.7455	ppb	0.2030	11.6	7.2668
Cu 324.754	-3.3640	ppb	0.3467	10.3	20.9142
Fe 271.441	5.2984	ppb	3.0532	57.6	-2.8991
K 766.491	-19.8636	ppb	0.1410	0.7	1577.62

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-13.4257	ppb	1.9402	14.5	13.0042
Mn 257.610	-1.8375	ppb	0.0055	0.3	1.4950
Mo 202.032	-1.3664	ppb	0.1644	12.0	-0.1142
Na 330.237	138.500	ppb	13.3898	9.7	16.1569
Ni 231.604	-0.6636	ppb	0.2227	33.6	0.3862
Pb 220.353	-2.2331	ppb	1.8457	82.7	-0.3639
Sb 206.834	-1.9126	ppb	1.6185	84.6	1.2567
Se 196.026	-2.8955	ppb	2.0104	69.4	2.7657
Sn 189.925	-3.1504	ppb	0.8921	28.3	-0.7546
Sr 216.596	-1.4228	ppb	0.2947	20.7	-4.8983
Ti 334.941	-0.2721	ppb	0.0191	7.0	-67.2083
Tl 190.794	2.2722	ppb	1.2640	55.6	-0.9826
V 292.401	-0.7214	ppb	0.1631	22.6	1.2247
Zn 206.200	-1.9012	ppb	0.1411	7.4	-0.2634

(Samp) **4/17/2013, 3:20:03 AM** **Rack 4, Tube 23**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2513	ppb	0.3153	125.5	-19.2334
Al 308.215	-20.5843	ppb	2.6509	12.9	-7.8219
As 188.980	0.3960	ppb	4.5672	1153.5	-1.6383
B 249.678	-6.3027	ppb	0.3980	6.3	17.6796
Ba 389.178	-1.1714	ppb	0.2618	22.3	-21.7401
Be 313.042	-0.3213	ppb	0.0027	0.8	-371.015
Ca 370.602	-15.23	ppb	1.653	10.9	-95.31
Cd 226.502	-1.1646	ppb	0.0420	3.6	7.4535
Co 228.615	-0.1989	ppb	0.0653	32.8	-6.1774
Cr 267.716	-1.8065	ppb	0.0942	5.2	6.2477
Cu 324.754	-3.0930	ppb	0.2800	9.1	30.7326
Fe 271.441	7.4279	ppb	2.0712	27.9	-1.2310
K 766.491	-19.6763	ppb	0.1489	0.8	1600.47
Mg 279.078	-11.7572	ppb	3.4886	29.7	15.1917
Mn 257.610	-1.8803	ppb	0.0270	1.4	-2.7359
Mo 202.032	-1.5202	ppb	0.4804	31.6	-0.6892
Na 330.237	109.386	ppb	71.7005	65.5	14.2529
Ni 231.604	-0.9906	ppb	0.6091	61.5	-0.6327
Pb 220.353	0.0387	ppb	0.1526	394.0	1.6584
Sb 206.834	-1.4425	ppb	1.3898	96.3	1.5724
Se 196.026	-5.1986	ppb	1.7722	34.1	2.1646
Sn 189.925	-2.4675	ppb	0.3373	13.7	-0.3095
Sr 216.596	-1.5019	ppb	0.5057	33.7	-5.4093
Ti 334.941	-0.3181	ppb	0.0292	9.2	-77.1924
Tl 190.794	-0.7684	ppb	1.9441	253.0	-2.4758
V 292.401	-0.7320	ppb	0.1398	19.1	0.8609
Zn 206.200	-1.6015	ppb	0.2727	17.0	0.7525

(Samp) **4/17/2013, 3:25:32 AM** **Rack 4, Tube 24**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3417	ppb	0.4698	137.5	-22.0665
Al 308.215	-19.1428	ppb	0.5499	2.9	-3.3343

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.6887	ppb	2.1826	81.2	-0.7010
B 249.678	-6.9992	ppb	0.0678	1.0	11.5564
Ba 389.178	-1.8809	ppb	0.4978	26.5	-34.0517
Be 313.042	-0.3207	ppb	0.0025	0.8	-370.127
Ca 370.602	-16.08	ppb	0.9884	6.1	-97.55
Cd 226.502	-1.1765	ppb	0.0365	3.1	7.1564
Co 228.615	-0.3465	ppb	0.3673	106.0	-7.4041
Cr 267.716	-1.8298	ppb	0.1235	6.7	5.8623
Cu 324.754	-3.4272	ppb	0.0316	0.9	18.6263
Fe 271.441	1.3601	ppb	3.5853	263.6	-5.9862
K 766.491	-19.9177	ppb	0.1451	0.7	1571.20
Mg 279.078	-13.9958	ppb	1.7638	12.6	12.2729
Mn 257.610	-1.8509	ppb	0.0428	2.3	0.1708
Mo 202.032	-1.1837	ppb	0.1663	14.0	0.5693
Na 330.237	86.7867	ppb	7.8198	9.0	12.7772
Ni 231.604	-1.2745	ppb	0.4328	34.0	-1.5141
Pb 220.353	-0.9132	ppb	2.2607	247.6	0.8104
Sb 206.834	0.3286	ppb	2.2822	694.5	2.7814
Se 196.026	-9.0040	ppb	4.4774	49.7	1.1717
Sn 189.925	-3.0618	ppb	0.2836	9.3	-0.6969
Sr 216.596	-1.1042	ppb	0.1073	9.7	-2.7929
Ti 334.941	-0.2857	ppb	0.0466	16.3	-70.1588
Tl 190.794	1.2451	ppb	3.5575	285.7	-1.4873
V 292.401	-0.7354	ppb	0.1393	18.9	0.6860
Zn 206.200	-1.9028	ppb	0.3060	16.1	-0.2689

Cont Calib Verif (CCV) **4/17/2013, 3:31:02 AM** **Rack 4, Tube 25**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5555	ppb	0.2895	52.1	-28.7728	-0.11110Q
Al 308.215	-20.5025	ppb	1.5172	7.4	-7.5654	-0.41005Q
As 188.980	-0.2106	ppb	3.9771	1888.2	-1.8861	-0.04213Q
B 249.678	-6.8075	ppb	0.1586	2.3	13.2327	-0.27230Q
Ba 389.178	-1.7191	ppb	0.5978	34.8	-31.2422	-0.03438Q
Be 313.042	-0.3244	ppb	0.0007	0.2	-376.094	-0.06488Q
Ca 370.602	-15.24	ppb	0.6988	4.6	-94.80	-0.30483Q
Cd 226.502	-1.1422	ppb	0.0659	5.8	7.9771	-0.22845Q
Co 228.615	-0.5293	ppb	0.0480	9.1	-8.9190	-0.10587Q
Cr 267.716	-1.8495	ppb	0.0328	1.8	5.5322	-0.03699Q
Cu 324.754	-3.4560	ppb	0.2690	7.8	17.5876	-0.06912Q
Fe 271.441	4.7034	ppb	6.3649	135.3	-3.3798	0.09407Q
K 766.491	-19.7084	ppb	0.4205	2.1	1596.70	-0.19708Q
Mg 279.078	-12.3546	ppb	1.6761	13.6	14.4184	-0.24709Q
Mn 257.610	-1.8366	ppb	0.0501	2.7	1.5888	-0.03673Q
Mo 202.032	-1.4295	ppb	0.4987	34.9	-0.3496	-0.28590Q
Na 330.237	131.124	ppb	31.0350	23.7	15.6754	1.74831Q
Ni 231.604	-0.9512	ppb	0.8059	84.7	-0.5072	-0.03805Q
Pb 220.353	0.8671	ppb	2.4269	279.9	2.3955	0.17342Q
Sb 206.834	-2.2319	ppb	0.4184	18.7	1.0364	-0.08928Q
Se 196.026	-8.1467	ppb	2.9131	35.8	1.3953	-0.16293Q
Sn 189.925	-1.9220	ppb	1.4086	73.3	0.0460	-0.03844Q
Sr 216.596	-1.2005	ppb	0.1143	9.5	-3.4369	-0.04802Q
Ti 334.941	-0.3030	ppb	0.0194	6.4	-73.9285	-0.06061Q

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	3.3403	ppb	1.0946	32.8	-0.4593	0.06681Q
V 292.401	-0.8110	ppb	0.1262	15.6	-1.5357	-0.01622Q
Zn 206.200	-1.9368	ppb	0.1039	5.4	-0.3832	-0.07747Q

Cont Calib Blank (CCB) **4/17/2013, 3:36:32 AM** **Rack 4, Tube 26**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3668	ppb	0.2998	81.7	-22.8559	-0.36682
Al 308.215	-20.0718	ppb	0.9097	4.5	-6.2222	-20.07183
As 188.980	0.0558	ppb	4.1422	7428.6	-1.7773	0.05576
B 249.678	-6.7049	ppb	0.4076	6.1	14.1410	-6.70494
Ba 389.178	-1.6708	ppb	0.4026	24.1	-30.4052	-1.67084
Be 313.042	-0.3193	ppb	0.0054	1.7	-367.927	-0.31934
Ca 370.602	-15.71	ppb	0.9469	6.0	-96.84	-15.71344
Cd 226.502	-1.0885	ppb	0.0950	8.7	9.2538	-1.08851
Co 228.615	-0.1064	ppb	0.1064	100.0	-5.4115	-0.10637
Cr 267.716	-1.7694	ppb	0.1185	6.7	6.8674	-1.76940
Cu 324.754	-3.3225	ppb	0.1463	4.4	22.4208	-3.32250
Fe 271.441	5.8174	ppb	0.4711	8.1	-2.4938	5.81743
K 766.491	-20.1770	ppb	0.1841	0.9	1539.49	-20.17696
Mg 279.078	-11.9138	ppb	3.1083	26.1	14.9943	-11.91380
Mn 257.610	-1.8544	ppb	0.0392	2.1	-0.1757	-1.85443
Mo 202.032	-1.1723	ppb	0.4006	34.2	0.6112	-1.17230
Na 330.237	77.0651	ppb	27.3176	35.4	12.1391	77.06509
Ni 231.604	-0.5957	ppb	0.5140	86.3	0.5969	-0.59571
Pb 220.353	-1.7981	ppb	1.6119	89.6	0.0229	-1.79805
Sb 206.834	-1.1250	ppb	0.2781	24.7	1.7915	-1.12501
Se 196.026	-9.2796	ppb	4.4792	48.3	1.0997	-9.27963
Sn 189.925	-2.3547	ppb	1.6447	69.8	-0.2360	-2.35469
Sr 216.596	-0.9857	ppb	0.5335	54.1	-2.0343	-0.98571
Ti 334.941	-0.2642	ppb	0.0145	5.5	-65.4901	-0.26424
Tl 190.794	2.4863	ppb	1.1871	47.7	-0.8777	2.48627
V 292.401	-0.6329	ppb	0.0291	4.6	3.7601	-0.63291
Zn 206.200	-2.1987	ppb	0.1228	5.6	-1.2714	-2.19867

(Samp) **4/17/2013, 3:42:02 AM** **Rack 4, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4074	ppb	0.5279	129.6	-24.1287
Al 308.215	-19.1816	ppb	1.9431	10.1	-3.4471
As 188.980	1.5433	ppb	3.6543	236.8	-1.1692
B 249.678	-7.0194	ppb	0.1488	2.1	11.3779
Ba 389.178	-1.5707	ppb	0.2727	17.4	-28.6717
Be 313.042	-0.3175	ppb	0.0044	1.4	-365.122
Ca 370.602	-16.77	ppb	0.3756	2.2	-100.0
Cd 226.502	-1.1132	ppb	0.1407	12.6	8.6573
Co 228.615	-0.4497	ppb	0.1686	37.5	-8.2612
Cr 267.716	-1.6002	ppb	0.3593	22.5	9.6949
Cu 324.754	-3.4796	ppb	0.0406	1.2	16.7365
Fe 271.441	-1.1252	ppb	1.9185	170.5	-7.9389
K 766.491	-19.9785	ppb	0.0660	0.3	1563.69

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-12.3078	ppb	0.4096	3.3	14.4979
Mn 257.610	-1.8428	ppb	0.0192	1.0	0.9701
Mo 202.032	-1.4720	ppb	0.2017	13.7	-0.5082
Na 330.237	87.0877	ppb	32.2851	37.1	12.7978
Ni 231.604	-0.5574	ppb	0.7169	128.6	0.7154
Pb 220.353	-0.2204	ppb	3.3382	1514.7	1.4269
Sb 206.834	-0.8948	ppb	0.8279	92.5	1.9494
Se 196.026	-4.9240	ppb	1.6085	32.7	2.2364
Sn 189.925	-3.8965	ppb	1.2000	30.8	-1.2408
Sr 216.596	-1.2740	ppb	0.2063	16.2	-3.9408
Ti 334.941	-0.2722	ppb	0.0169	6.2	-67.2179
Tl 190.794	1.1338	ppb	0.9375	82.7	-1.5422
V 292.401	-0.6528	ppb	0.0640	9.8	3.0781
Zn 206.200	-1.7375	ppb	0.2087	12.0	0.2904

X (Samp) **4/17/2013, 3:47:32 AM** **Rack 4, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1277	ppb	0.0901	70.6	-15.3531
Al 308.215	-19.7107	ppb	2.0326	10.3	-5.0942
As 188.980	1.8610	ppb	3.5581	191.2	-1.0395
B 249.678	-6.9644	ppb	0.3445	4.9	11.8534
Ba 389.178	-1.4725	ppb	0.3587	24.4	-26.9653
Be 313.042	-0.3200	ppb	0.0017	0.5	-368.905
Ca 370.602	-13.86	ppb	1.916	13.8	-89.14
Cd 226.502	-1.1838	ppb	0.0976	8.2	6.9888
Co 228.615	-0.5001	ppb	0.1652	33.0	-8.6750
Cr 267.716	-1.7631	ppb	0.2499	14.2	6.9731
Cu 324.754	-3.3926	ppb	0.0812	2.4	19.8783
Fe 271.441	3.5294	ppb	1.2919	36.6	-4.2968
K 766.491	-20.1105	ppb	0.0370	0.2	1547.54
Mg 279.078	-11.8058	ppb	1.3063	11.1	15.1429
Mn 257.610	-1.8765	ppb	0.0114	0.6	-2.3639
Mo 202.032	-1.1970	ppb	0.4379	36.6	0.5189
Na 330.237	43.7685	ppb	48.2002	110.1	9.9632
Ni 231.604	-0.5106	ppb	0.6324	123.8	0.8604
Pb 220.353	-0.8962	ppb	1.6333	182.2	0.8256
Sb 206.834	-2.3449	ppb	0.9637	41.1	0.9637
Se 196.026	-8.1823	ppb	4.7524	58.1	1.3861
Sn 189.925	-3.2866	ppb	0.9607	29.2	-0.8433
Sr 216.596	-1.5786	ppb	0.1617	10.2	-5.9379
Ti 334.941	-0.2918	ppb	0.0264	9.1	-71.4708
Tl 190.794	0.0171	ppb	0.5969	3490.6	-2.0905
V 292.401	-0.5848	ppb	0.1276	21.8	5.1418
Zn 206.200	-1.7759	ppb	0.2213	12.5	0.1610

X (Samp) **4/17/2013, 3:53:01 AM** **Rack 4, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5220	ppb	0.2851	54.6	-27.7245
Al 308.215	-20.9431	ppb	2.4811	11.8	-8.9353

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.3475	ppb	0.8610	63.9	-1.2493
B 249.678	-6.6566	ppb	0.0726	1.1	14.5611
Ba 389.178	-1.3912	ppb	0.3180	22.9	-25.5535
Be 313.042	-0.3236	ppb	0.0029	0.9	-374.709
Ca 370.602	-16.67	ppb	1.022	6.1	-100.8
Cd 226.502	-1.0735	ppb	0.0254	2.4	9.6116
Co 228.615	-0.4185	ppb	0.2053	49.1	-7.9953
Cr 267.716	-1.7549	ppb	0.3595	20.5	7.1087
Cu 324.754	-3.4497	ppb	0.2033	5.9	17.8148
Fe 271.441	4.9939	ppb	2.9776	59.6	-3.1491
K 766.491	-19.8639	ppb	0.2126	1.1	1577.65
Mg 279.078	-14.3728	ppb	0.9101	6.3	11.7588
Mn 257.610	-1.8380	ppb	0.0440	2.4	1.4491
Mo 202.032	-1.6734	ppb	0.5812	34.7	-1.2616
Na 330.237	133.214	ppb	55.9734	42.0	15.8112
Ni 231.604	-0.9056	ppb	0.6096	67.3	-0.3670
Pb 220.353	-1.2242	ppb	2.1452	175.2	0.5341
Sb 206.834	-1.4603	ppb	0.8314	56.9	1.5624
Se 196.026	-5.7359	ppb	6.2484	108.9	2.0244
Sn 189.925	-2.1555	ppb	0.5011	23.2	-0.1062
Sr 216.596	-1.5066	ppb	0.1840	12.2	-5.4429
Ti 334.941	-0.2857	ppb	0.0232	8.1	-70.1536
Tl 190.794	0.7554	ppb	3.6832	487.6	-1.7279
V 292.401	-0.6455	ppb	0.0319	4.9	3.4229
Zn 206.200	-1.9338	ppb	0.1950	10.1	-0.3734

CRI (Samp) **4/17/2013, 3:58:31 AM** **Rack 4, Tube 30**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1683	ppb	0.1580	93.9	-16.6294
Al 308.215	-19.5078	ppb	2.1386	11.0	-4.4698
As 188.980	2.2315	ppb	2.9043	130.2	-0.8880
B 249.678	-6.5810	ppb	0.0917	1.4	15.2196
Ba 389.178	-1.5877	ppb	0.1339	8.4	-28.9590
Be 313.042	-0.3237	ppb	0.0041	1.3	-374.886
Ca 370.602	-15.09	ppb	1.540	10.2	-94.85
Cd 226.502	-1.0603	ppb	0.1618	15.3	9.9297
Co 228.615	-0.4485	ppb	0.1392	31.0	-8.2456
Cr 267.716	-1.6783	ppb	0.0718	4.3	8.3865
Cu 324.754	-3.3770	ppb	0.1099	3.3	20.4429
Fe 271.441	6.7997	ppb	1.2067	17.7	-1.7398
K 766.491	-19.9661	ppb	0.3971	2.0	1565.23
Mg 279.078	-15.0511	ppb	3.2254	21.4	10.8606
Mn 257.610	-1.8673	ppb	0.0343	1.8	-1.4428
Mo 202.032	-1.3369	ppb	0.1420	10.6	-0.0042
Na 330.237	73.4089	ppb	73.5471	100.2	11.8995
Ni 231.604	-1.1010	ppb	0.0574	5.2	-0.9729
Pb 220.353	-0.7815	ppb	1.3543	173.3	0.9279
Sb 206.834	-0.0101	ppb	3.6924	36509.7	2.5496
Se 196.026	-10.5530	ppb	1.8326	17.4	0.7673
Sn 189.925	-3.2625	ppb	0.9280	28.4	-0.8276
Sr 216.596	-1.2622	ppb	0.0861	6.8	-3.8300
Ti 334.941	-0.2957	ppb	0.0311	10.5	-72.3236

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	2.8622	ppb	2.5584	89.4	-0.6939
V 292.401	-0.6513	ppb	0.2136	32.8	3.2162
Zn 206.200	-1.8454	ppb	0.2868	15.5	-0.0746

CCV (Samp) **4/17/2013, 4:04:01 AM** **Rack 4, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2236	ppb	0.5746	257.0	-18.3630
Al 308.215	-18.9754	ppb	0.5896	3.1	-2.8213
As 188.980	3.2391	ppb	2.5769	79.6	-0.4763
B 249.678	-6.6535	ppb	0.1346	2.0	14.5938
Ba 389.178	-1.3254	ppb	0.3011	22.7	-24.4115
Be 313.042	-0.3191	ppb	0.0038	1.2	-367.505
Ca 370.602	-15.16	ppb	2.085	13.8	-94.61
Cd 226.502	-1.2634	ppb	0.0551	4.4	5.1041
Co 228.615	-0.4238	ppb	0.2036	48.0	-8.0371
Cr 267.716	-1.8227	ppb	0.1852	10.2	5.9786
Cu 324.754	-3.4668	ppb	0.1314	3.8	17.1945
Fe 271.441	4.8260	ppb	2.5428	52.7	-3.2766
K 766.491	-20.0867	ppb	0.1896	0.9	1550.41
Mg 279.078	-12.3715	ppb	2.4579	19.9	14.3936
Mn 257.610	-1.8484	ppb	0.0142	0.8	0.4261
Mo 202.032	-1.2170	ppb	0.1142	9.4	0.4443
Na 330.237	62.0024	ppb	43.3747	70.0	11.1549
Ni 231.604	-0.3970	ppb	0.2746	69.2	1.2136
Pb 220.353	-1.2063	ppb	0.4070	33.7	0.5501
Sb 206.834	-1.9596	ppb	0.4425	22.6	1.2253
Se 196.026	-7.9773	ppb	3.7427	46.9	1.4395
Sn 189.925	-3.3952	ppb	2.5691	75.7	-0.9141
Sr 216.596	-1.0150	ppb	0.4720	46.5	-2.2320
Ti 334.941	-0.2820	ppb	0.0247	8.8	-69.3526
Tl 190.794	0.5331	ppb	1.1938	224.0	-1.8368
V 292.401	-0.6737	ppb	0.1735	25.8	2.6132
Zn 206.200	-1.7167	ppb	0.1484	8.6	0.3621

CCB (Samp) **4/17/2013, 4:09:31 AM** **Rack 4, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5664	ppb	0.1142	20.2	-29.1151
Al 308.215	-18.4511	ppb	1.2687	6.9	-1.1901
As 188.980	1.1489	ppb	2.7011	235.1	-1.3304
B 249.678	-6.8732	ppb	0.2975	4.3	12.6681
Ba 389.178	-1.4775	ppb	0.0931	6.3	-27.0552
Be 313.042	-0.3209	ppb	0.0018	0.6	-370.504
Ca 370.602	-15.60	ppb	1.945	12.5	-95.76
Cd 226.502	-1.0950	ppb	0.0776	7.1	9.0936
Co 228.615	-0.2335	ppb	0.4165	178.4	-6.4636
Cr 267.716	-1.7731	ppb	0.1353	7.6	6.8075
Cu 324.754	-3.4982	ppb	0.0798	2.3	16.0519
Fe 271.441	1.3622	ppb	1.6829	123.5	-5.9827
K 766.491	-20.1934	ppb	0.0318	0.2	1537.41

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-13.0755	ppb	0.4365	3.3	13.4807
Mn 257.610	-1.8479	ppb	0.0524	2.8	0.4687
Mo 202.032	-1.5709	ppb	0.3267	20.8	-0.8777
Na 330.237	66.7719	ppb	16.8007	25.2	11.4680
Ni 231.604	-1.3061	ppb	0.1888	14.5	-1.6110
Pb 220.353	0.3702	ppb	0.9017	243.6	1.9533
Sb 206.834	0.9512	ppb	2.0228	212.7	3.2007
Se 196.026	-2.5807	ppb	6.2068	240.5	2.8479
Sn 189.925	-2.5915	ppb	1.9456	75.1	-0.3903
Sr 216.596	-0.9149	ppb	0.2379	26.0	-1.5419
Ti 334.941	-0.2968	ppb	0.0432	14.5	-72.5702
Tl 190.794	3.7380	ppb	1.7091	45.7	-0.2630
V 292.401	-0.7149	ppb	0.0946	13.2	1.3560
Zn 206.200	-1.9330	ppb	0.1414	7.3	-0.3712

(Samp) **4/17/2013, 4:15:01 AM** **Rack 4, Tube 33**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3099	ppb	0.3182	102.7	-21.0712
Al 308.215	-19.7438	ppb	1.1083	5.6	-5.2086
As 188.980	3.0295	ppb	1.9279	63.6	-0.5620
B 249.678	-6.7154	ppb	0.1970	2.9	14.0335
Ba 389.178	-1.7778	ppb	0.5720	32.2	-32.2531
Be 313.042	-0.3213	ppb	0.0090	2.8	-371.074
Ca 370.602	-14.26	ppb	0.3647	2.6	-92.21
Cd 226.502	-1.1172	ppb	0.0899	8.1	8.5876
Co 228.615	-0.3440	ppb	0.0613	17.8	-7.3822
Cr 267.716	-1.7113	ppb	0.0269	1.6	7.8348
Cu 324.754	-3.4873	ppb	0.0283	0.8	16.4570
Fe 271.441	11.6400	ppb	3.5782	30.7	2.0645
K 766.491	-20.0377	ppb	0.0348	0.2	1556.51
Mg 279.078	-13.1378	ppb	1.8187	13.8	13.3614
Mn 257.610	-1.8505	ppb	0.0134	0.7	0.2248
Mo 202.032	-1.6489	ppb	0.1804	10.9	-1.1705
Na 330.237	40.2221	ppb	34.7645	86.4	9.7273
Ni 231.604	-0.4697	ppb	0.7078	150.7	0.9889
Pb 220.353	-0.4459	ppb	1.0787	241.9	1.2265
Sb 206.834	-1.5395	ppb	2.5459	165.4	1.5090
Se 196.026	-8.0493	ppb	6.4051	79.6	1.4206
Sn 189.925	-3.5149	ppb	1.5028	42.8	-0.9921
Sr 216.596	-1.1501	ppb	0.2857	24.8	-3.1203
Ti 334.941	-0.2984	ppb	0.0336	11.2	-72.9092
Tl 190.794	1.8292	ppb	1.1325	61.9	-1.2010
V 292.401	-0.7749	ppb	0.1241	16.0	-0.4561
Zn 206.200	-2.0750	ppb	0.1222	5.9	-0.8523

(Samp) **4/17/2013, 4:20:31 AM** **Rack 4, Tube 34**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2685	ppb	0.3450	128.5	-19.7697
Al 308.215	-18.6833	ppb	1.5729	8.4	-1.9066

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.9825	ppb	2.0952	213.3	-1.3985
B 249.678	-6.8847	ppb	0.2360	3.4	12.5613
Ba 389.178	-2.1192	ppb	0.3753	17.7	-38.1848
Be 313.042	-0.3234	ppb	0.0048	1.5	-374.373
Ca 370.602	-16.27	ppb	2.951	18.1	-98.70
Cd 226.502	-1.0847	ppb	0.0816	7.5	9.3416
Co 228.615	-0.2670	ppb	0.2093	78.4	-6.7464
Cr 267.716	-1.8191	ppb	0.1833	10.1	6.0387
Cu 324.754	-3.4272	ppb	0.2476	7.2	18.6296
Fe 271.441	3.5294	ppb	1.7555	49.7	-4.2854
K 766.491	-19.8805	ppb	0.3358	1.7	1575.78
Mg 279.078	-13.8668	ppb	3.7903	27.3	12.4346
Mn 257.610	-1.8632	ppb	0.0253	1.4	-1.0461
Mo 202.032	-1.3068	ppb	0.1666	12.7	0.1089
Na 330.237	32.5300	ppb	55.8659	171.7	9.2276
Ni 231.604	-0.8647	ppb	0.2271	26.3	-0.2386
Pb 220.353	-0.4467	ppb	1.0085	225.8	1.2258
Sb 206.834	-0.1624	ppb	2.1134	1301.0	2.4425
Se 196.026	-4.4282	ppb	3.0769	69.5	2.3657
Sn 189.925	-1.7786	ppb	1.1562	65.0	0.1394
Sr 216.596	-1.4769	ppb	0.1970	13.3	-5.2569
Ti 334.941	-0.2848	ppb	0.0208	7.3	-69.9579
Tl 190.794	3.6333	ppb	1.9242	53.0	-0.3148
V 292.401	-0.7199	ppb	0.0115	1.6	1.1500
Zn 206.200	-2.1056	ppb	0.6385	30.3	-0.9556

(Samp) **4/17/2013, 4:26:01 AM** **Rack 4, Tube 35**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3478	ppb	0.2261	65.0	-22.2577
Al 308.215	-19.1436	ppb	0.6054	3.2	-3.3395
As 188.980	4.4766	ppb	3.2457	72.5	0.0296
B 249.678	-6.4842	ppb	0.1103	1.7	16.0815
Ba 389.178	-1.3718	ppb	0.2601	19.0	-25.2177
Be 313.042	-0.3247	ppb	0.0062	1.9	-376.460
Ca 370.602	-16.30	ppb	1.114	6.8	-99.21
Cd 226.502	-1.1667	ppb	0.0599	5.1	7.3986
Co 228.615	-0.3187	ppb	0.2066	64.8	-7.1717
Cr 267.716	-1.6900	ppb	0.1575	9.3	8.1930
Cu 324.754	-3.4210	ppb	0.1074	3.1	18.8595
Fe 271.441	4.3222	ppb	1.9656	45.5	-3.6725
K 766.491	-20.0011	ppb	0.1299	0.6	1560.88
Mg 279.078	-12.7362	ppb	1.1272	8.9	13.9131
Mn 257.610	-1.8435	ppb	0.0261	1.4	0.9023
Mo 202.032	-1.2421	ppb	0.5772	46.5	0.3504
Na 330.237	59.0983	ppb	44.2053	74.8	10.9646
Ni 231.604	-0.4954	ppb	0.5289	106.8	0.9093
Pb 220.353	-2.8263	ppb	0.7142	25.3	-0.8929
Sb 206.834	-2.7318	ppb	1.3674	50.1	0.7000
Se 196.026	-8.3593	ppb	3.2657	39.1	1.3398
Sn 189.925	-2.9671	ppb	0.4518	15.2	-0.6351
Sr 216.596	-1.1851	ppb	0.3163	26.7	-3.3516
Ti 334.941	-0.2996	ppb	0.0125	4.2	-73.1585

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	3.3746	ppb	1.7443	51.7	-0.4420
V 292.401	-0.7005	ppb	0.1377	19.7	1.7439
Zn 206.200	-1.9717	ppb	0.1972	10.0	-0.5025

(Samp) **4/17/2013, 4:31:31 AM** **Rack 4, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4527	ppb	0.1153	25.5	-25.5518
Al 308.215	-19.7751	ppb	2.0746	10.5	-5.3063
As 188.980	2.7255	ppb	2.4543	90.0	-0.6861
B 249.678	-6.9930	ppb	0.3572	5.1	11.5991
Ba 389.178	-1.6592	ppb	0.5039	30.4	-30.2041
Be 313.042	-0.3287	ppb	0.0066	2.0	-382.719
Ca 370.602	-15.98	ppb	0.8406	5.3	-97.96
Cd 226.502	-1.1421	ppb	0.1081	9.5	7.9821
Co 228.615	-0.4595	ppb	0.1012	22.0	-8.3349
Cr 267.716	-1.6883	ppb	0.1187	7.0	8.2215
Cu 324.754	-3.4248	ppb	0.0197	0.6	18.7152
Fe 271.441	4.7386	ppb	6.2893	132.7	-3.3540
K 766.491	-19.8376	ppb	0.0769	0.4	1580.93
Mg 279.078	-10.8483	ppb	3.0380	28.0	16.3940
Mn 257.610	-1.8547	ppb	0.0187	1.0	-0.2074
Mo 202.032	-1.4857	ppb	0.2685	18.1	-0.5598
Na 330.237	98.8725	ppb	56.2710	56.9	13.5654
Ni 231.604	-0.8382	ppb	0.1442	17.2	-0.1567
Pb 220.353	-0.7445	ppb	2.2879	307.3	0.9609
Sb 206.834	-0.7388	ppb	1.5166	205.3	2.0521
Se 196.026	-9.8889	ppb	8.4664	85.6	0.9407
Sn 189.925	-1.9671	ppb	2.5804	131.2	0.0166
Sr 216.596	-1.6893	ppb	0.4623	27.4	-6.6454
Ti 334.941	-0.2793	ppb	0.0012	0.4	-68.7608
Tl 190.794	1.9371	ppb	0.7203	37.2	-1.1478
V 292.401	-0.6829	ppb	0.0439	6.4	2.3155
Zn 206.200	-2.0396	ppb	0.4281	21.0	-0.7328

Cont Calib Verif (CCV) **4/17/2013, 4:37:01 AM** **Rack 4, Tube 37**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4185	ppb	0.4316	103.1	-24.4761	-0.08369Q
Al 308.215	-18.9921	ppb	2.0183	10.6	-2.8651	-0.37984Q
As 188.980	0.3265	ppb	1.8112	554.7	-1.6666	0.06531Q
B 249.678	-6.5268	ppb	0.2643	4.0	15.7036	-0.26107Q
Ba 389.178	-1.3359	ppb	0.3251	24.3	-24.5929	-0.02672Q
Be 313.042	-0.3249	ppb	0.0058	1.8	-376.794	-0.06499Q
Ca 370.602	-15.85	ppb	1.376	8.7	-97.31	-0.31710Q
Cd 226.502	-1.0731	ppb	0.0887	8.3	9.6192	-0.21461Q
Co 228.615	-0.5315	ppb	0.3356	63.1	-8.9337	-0.10630Q
Cr 267.716	-1.6843	ppb	0.0839	5.0	8.2886	-0.03369Q
Cu 324.754	-3.3915	ppb	0.1529	4.5	19.9223	-0.06783Q
Fe 271.441	4.4176	ppb	1.1490	26.0	-3.6062	0.08835Q
K 766.491	-20.0939	ppb	0.2489	1.2	1549.54	-0.20094Q

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-12.3288	ppb	0.6490	5.3	14.4509	-0.24658Q
Mn 257.610	-1.8529	ppb	0.0480	2.6	-0.0277	-0.03706Q
Mo 202.032	-1.0546	ppb	0.3520	33.4	1.0511	-0.21092Q
Na 330.237	44.4901	ppb	71.2440	160.1	10.0097	0.59320Q
Ni 231.604	-0.5500	ppb	0.9178	166.9	0.7400	-0.02200Q
Pb 220.353	-1.1030	ppb	1.3961	126.6	0.6416	-0.22060Q
Sb 206.834	-1.1189	ppb	1.8142	162.1	1.7971	-0.04476Q
Se 196.026	-9.9917	ppb	2.0217	20.2	0.9139	-0.19983Q
Sn 189.925	-3.0007	ppb	1.3230	44.1	-0.6570	-0.06001Q
Sr 216.596	-1.5200	ppb	0.3020	19.9	-5.5495	-0.06080Q
Ti 334.941	-0.2975	ppb	0.0298	10.0	-72.7002	-0.05950Q
Tl 190.794	3.5789	ppb	1.4336	40.1	-0.3419	0.07158Q
V 292.401	-0.6448	ppb	0.1363	21.1	3.3908	-0.01290Q
Zn 206.200	-1.8787	ppb	0.2133	11.4	-0.1876	-0.07515Q

Cont Calib Blank (CCB) **4/17/2013, 4:42:31 AM** **Rack 4, Tube 38**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5141	ppb	0.2559	49.8	-27.4749	-0.51406
Al 308.215	-20.1889	ppb	0.2652	1.3	-6.5894	-20.18888
As 188.980	1.6833	ppb	5.6847	337.7	-1.1121	1.68332
B 249.678	-6.8109	ppb	0.1585	2.3	13.2041	-6.81089
Ba 389.178	-1.8774	ppb	0.2505	13.3	-33.9854	-1.87740
Be 313.042	-0.3218	ppb	0.0063	1.9	-371.931	-0.32184
Ca 370.602	-14.00	ppb	1.606	11.5	-90.37	-13.99557
Cd 226.502	-1.0551	ppb	0.0472	4.5	10.0507	-1.05511
Co 228.615	-0.2865	ppb	0.1392	48.6	-6.9048	-0.28645
Cr 267.716	-1.7383	ppb	0.2074	11.9	7.3861	-1.73830
Cu 324.754	-3.2963	ppb	0.1370	4.2	23.3688	-3.29626
Fe 271.441	6.4650	ppb	3.4743	53.7	-1.9848	6.46499
K 766.491	-20.0909	ppb	0.2182	1.1	1550.04	-20.09091
Mg 279.078	-12.1816	ppb	5.1684	42.4	14.6345	-12.18157
Mn 257.610	-1.8187	ppb	0.0376	2.1	3.3624	-1.81872
Mo 202.032	-1.1326	ppb	0.0875	7.7	0.7593	-1.13263
Na 330.237	82.7789	ppb	10.3394	12.5	12.5124	82.77885
Ni 231.604	-0.7428	ppb	0.3255	43.8	0.1410	-0.74279
Pb 220.353	-0.4005	ppb	2.0238	505.3	1.2670	-0.40049
Sb 206.834	-0.2485	ppb	1.8310	736.8	2.3858	-0.24850
Se 196.026	-4.5630	ppb	3.6671	80.4	2.3305	-4.56303
Sn 189.925	-1.5240	ppb	1.0221	67.1	0.3054	-1.52399
Sr 216.596	-1.3805	ppb	0.4048	29.3	-4.6233	-1.38048
Ti 334.941	-0.2996	ppb	0.0302	10.1	-73.1630	-0.29960
Tl 190.794	3.7408	ppb	3.1842	85.1	-0.2619	3.74084
V 292.401	-0.6976	ppb	0.0670	9.6	1.8372	-0.69757
Zn 206.200	-1.9406	ppb	0.4351	22.4	-0.3970	-1.94058

(Samp) **4/17/2013, 4:48:01 AM** **Rack 4, Tube 39**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6347	ppb	0.1117	17.6	-31.2616
Al 308.215	-19.5165	ppb	0.6161	3.2	-4.5123

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.5076	ppb	2.3034	453.8	-1.5928
B 249.678	-6.6958	ppb	0.1652	2.5	14.2203
Ba 389.178	-1.6469	ppb	0.4952	30.1	-29.9923
Be 313.042	-0.3191	ppb	0.0027	0.8	-367.584
Ca 370.602	-15.88	ppb	1.301	8.2	-97.70
Cd 226.502	-1.1718	ppb	0.1492	12.7	7.2791
Co 228.615	-0.5867	ppb	0.2232	38.0	-9.3806
Cr 267.716	-1.6042	ppb	0.1573	9.8	9.6243
Cu 324.754	-3.3435	ppb	0.0423	1.3	21.6569
Fe 271.441	6.6539	ppb	1.8892	28.4	-1.8476
K 766.491	-19.8316	ppb	0.1141	0.6	1581.64
Mg 279.078	-14.4309	ppb	0.6557	4.5	11.6816
Mn 257.610	-1.8430	ppb	0.0225	1.2	0.9524
Mo 202.032	-1.6723	ppb	0.2326	13.9	-1.2575
Na 330.237	82.7389	ppb	41.3621	50.0	12.5106
Ni 231.604	-0.4940	ppb	0.4549	92.1	0.9131
Pb 220.353	-0.8168	ppb	1.4787	181.0	0.8973
Sb 206.834	-0.8215	ppb	2.5506	310.5	1.9971
Se 196.026	-6.7912	ppb	5.2865	77.8	1.7490
Sn 189.925	-1.9600	ppb	0.5666	28.9	0.0212
Sr 216.596	-1.1842	ppb	0.2529	21.4	-3.3321
Ti 334.941	-0.3094	ppb	0.0342	11.1	-75.2983
Tl 190.794	1.6758	ppb	1.0022	59.8	-1.2754
V 292.401	-0.6725	ppb	0.1020	15.2	2.7315
Zn 206.200	-1.7664	ppb	0.3127	17.7	0.1931

(Samp) **4/17/2013, 4:53:32 AM** **Rack 4, Tube 40**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6724	ppb	0.2689	40.0	-32.4402
Al 308.215	-19.6302	ppb	0.6920	3.5	-4.8481
As 188.980	2.1846	ppb	1.0449	47.8	-0.9072
B 249.678	-6.4610	ppb	0.2753	4.3	16.2961
Ba 389.178	-2.0093	ppb	0.1637	8.1	-36.2810
Be 313.042	-0.3229	ppb	0.0016	0.5	-373.539
Ca 370.602	-14.83	ppb	0.3845	2.6	-92.69
Cd 226.502	-1.1871	ppb	0.0266	2.2	6.9074
Co 228.615	-0.3158	ppb	0.3979	126.0	-7.1484
Cr 267.716	-1.7843	ppb	0.0727	4.1	6.6205
Cu 324.754	-3.3299	ppb	0.1556	4.7	22.1473
Fe 271.441	1.2671	ppb	2.0217	159.6	-6.0581
K 766.491	-19.8134	ppb	0.2273	1.1	1583.95
Mg 279.078	-11.5911	ppb	2.1386	18.4	15.4317
Mn 257.610	-1.8408	ppb	0.0116	0.6	1.1705
Mo 202.032	-1.1815	ppb	0.2192	18.5	0.5772
Na 330.237	33.2393	ppb	61.3807	184.7	9.2750
Ni 231.604	-0.8373	ppb	0.4075	48.7	-0.1540
Pb 220.353	-0.0277	ppb	1.1304	4087.1	1.5990
Sb 206.834	-1.3293	ppb	1.2154	91.4	1.6509
Se 196.026	-2.1410	ppb	3.6198	169.1	2.9626
Sn 189.925	-2.0503	ppb	0.7561	36.9	-0.0376
Sr 216.596	-1.1586	ppb	0.2440	21.1	-3.1640
Ti 334.941	-0.3003	ppb	0.0620	20.6	-73.3131

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	2.3601	ppb	0.5730	24.3	-0.9397
V 292.401	-0.6470	ppb	0.1146	17.7	3.3269
Zn 206.200	-1.9917	ppb	0.3031	15.2	-0.5701

(Samp) **4/17/2013, 4:59:02 AM** **Rack 4, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3657	ppb	0.3635	99.4	-22.8205
Al 308.215	-18.2702	ppb	2.0551	11.2	-0.6268
As 188.980	-0.2317	ppb	2.6417	1140.0	-1.8947
B 249.678	-6.7323	ppb	0.4226	6.3	13.9050
Ba 389.178	-1.7381	ppb	0.3248	18.7	-31.5782
Be 313.042	-0.3195	ppb	0.0029	0.9	-368.194
Ca 370.602	-16.95	ppb	0.8562	5.1	-100.9
Cd 226.502	-1.0787	ppb	0.0377	3.5	9.4768
Co 228.615	-0.4892	ppb	0.0743	15.2	-8.5839
Cr 267.716	-1.6314	ppb	0.1974	12.1	9.1753
Cu 324.754	-3.4479	ppb	0.1271	3.7	17.8826
Fe 271.441	1.1632	ppb	4.9112	422.2	-6.1518
K 766.491	-19.9181	ppb	0.1164	0.6	1571.12
Mg 279.078	-12.3486	ppb	3.6316	29.4	14.4397
Mn 257.610	-1.8662	ppb	0.0190	1.0	-1.3462
Mo 202.032	-1.3446	ppb	0.3607	26.8	-0.0318
Na 330.237	114.236	ppb	60.2119	52.7	14.5727
Ni 231.604	-0.7114	ppb	0.2091	29.4	0.2377
Pb 220.353	0.1958	ppb	1.0918	557.7	1.7980
Sb 206.834	-2.4239	ppb	0.7703	31.8	0.9111
Se 196.026	-6.1149	ppb	3.9118	64.0	1.9256
Sn 189.925	-4.6599	ppb	1.3025	28.0	-1.7383
Sr 216.596	-1.4758	ppb	0.2107	14.3	-5.2547
Ti 334.941	-0.3049	ppb	0.0430	14.1	-74.3173
Tl 190.794	3.2800	ppb	3.0887	94.2	-0.4884
V 292.401	-0.7619	ppb	0.1468	19.3	-0.0639
Zn 206.200	-1.9087	ppb	0.3735	19.6	-0.2892

(Samp) **4/17/2013, 5:04:32 AM** **Rack 4, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5074	ppb	0.2275	44.8	-27.2656
Al 308.215	-20.5874	ppb	2.4399	11.9	-7.8183
As 188.980	1.5991	ppb	3.0312	189.6	-1.1465
B 249.678	-6.6755	ppb	0.3498	5.2	14.4012
Ba 389.178	-1.3703	ppb	0.2192	16.0	-25.1910
Be 313.042	-0.3199	ppb	0.0042	1.3	-368.708
Ca 370.602	-15.54	ppb	0.8032	5.2	-95.81
Cd 226.502	-1.1552	ppb	0.0364	3.2	7.6681
Co 228.615	-0.2892	ppb	0.1805	62.4	-6.9284
Cr 267.716	-1.7914	ppb	0.3686	20.6	6.5014
Cu 324.754	-3.2546	ppb	0.0485	1.5	24.8789
Fe 271.441	2.9284	ppb	2.2280	76.1	-4.7613
K 766.491	-19.9584	ppb	0.1974	1.0	1566.09

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-10.2696	ppb	1.0776	10.5	17.1628
Mn 257.610	-1.8447	ppb	0.0098	0.5	0.7887
Mo 202.032	-1.4474	ppb	0.1608	11.1	-0.4166
Na 330.237	109.357	ppb	47.8135	43.7	14.2523
Ni 231.604	-0.6909	ppb	0.5103	73.9	0.3006
Pb 220.353	-2.1045	ppb	3.9038	185.5	-0.2502
Sb 206.834	-0.3967	ppb	0.4339	109.4	2.2855
Se 196.026	-4.1471	ppb	5.1453	124.1	2.4391
Sn 189.925	-3.1176	ppb	1.7127	54.9	-0.7332
Sr 216.596	-1.4602	ppb	0.4663	31.9	-5.1543
Ti 334.941	-0.2819	ppb	0.0123	4.3	-69.3329
Tl 190.794	1.7932	ppb	0.7457	41.6	-1.2182
V 292.401	-0.5649	ppb	0.0243	4.3	5.7404
Zn 206.200	-1.9030	ppb	0.1629	8.6	-0.2694

(Samp) **4/17/2013, 5:10:02 AM** **Rack 4, Tube 43**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4655	ppb	0.1106	23.8	-25.9505
Al 308.215	-19.3426	ppb	1.5183	7.8	-3.9632
As 188.980	0.9791	ppb	5.8473	597.2	-1.4000
B 249.678	-6.6614	ppb	0.1103	1.7	14.5291
Ba 389.178	-1.5430	ppb	0.2999	19.4	-28.1849
Be 313.042	-0.3224	ppb	0.0082	2.5	-372.834
Ca 370.602	-14.30	ppb	0.6242	4.4	-91.10
Cd 226.502	-1.1548	ppb	0.0468	4.0	7.6804
Co 228.615	-0.1253	ppb	0.3019	240.9	-5.5666
Cr 267.716	-1.7465	ppb	0.2050	11.7	7.2510
Cu 324.754	-3.2506	ppb	0.0383	1.2	25.0219
Fe 271.441	4.0791	ppb	4.3690	107.1	-3.8508
K 766.491	-19.7896	ppb	0.3019	1.5	1586.74
Mg 279.078	-13.5228	ppb	0.6876	5.1	12.8816
Mn 257.610	-1.8383	ppb	0.0556	3.0	1.4250
Mo 202.032	-1.1813	ppb	0.4368	37.0	0.5780
Na 330.237	132.136	ppb	114.077	86.3	15.7414
Ni 231.604	-0.5753	ppb	0.7534	131.0	0.6611
Pb 220.353	-1.7415	ppb	0.9264	53.2	0.0732
Sb 206.834	-1.1254	ppb	1.9015	169.0	1.7928
Se 196.026	-4.9657	ppb	2.3958	48.2	2.2255
Sn 189.925	-3.2459	ppb	2.4028	74.0	-0.8168
Sr 216.596	-0.9764	ppb	0.1537	15.7	-1.9726
Ti 334.941	-0.2864	ppb	0.0452	15.8	-70.2875
Tl 190.794	3.1339	ppb	2.8055	89.5	-0.5595
V 292.401	-0.7285	ppb	0.0610	8.4	0.9597
Zn 206.200	-1.9195	ppb	0.0813	4.2	-0.3256

(Samp) **4/17/2013, 5:15:33 AM** **Rack 4, Tube 44**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5250	ppb	0.1224	23.3	-27.8176
Al 308.215	-20.1627	ppb	0.8089	4.0	-6.5087

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.0703	ppb	0.9584	1364.2	-1.7713
B 249.678	-6.9450	ppb	0.2791	4.0	12.0261
Ba 389.178	-1.5170	ppb	0.1316	8.7	-27.7351
Be 313.042	-0.3150	ppb	0.0010	0.3	-361.085
Ca 370.602	-14.89	ppb	0.4436	3.0	-93.16
Cd 226.502	-1.1556	ppb	0.1028	8.9	7.6578
Co 228.615	-0.5824	ppb	0.1111	19.1	-9.3561
Cr 267.716	-1.6109	ppb	0.2089	13.0	9.5153
Cu 324.754	-3.5100	ppb	0.0631	1.8	15.6268
Fe 271.441	3.2392	ppb	2.6934	83.1	-4.5275
K 766.491	-20.2181	ppb	0.1247	0.6	1534.44
Mg 279.078	-15.1628	ppb	2.4195	16.0	10.7327
Mn 257.610	-1.8472	ppb	0.0241	1.3	0.5361
Mo 202.032	-1.5237	ppb	0.5103	33.5	-0.7017
Na 330.237	93.5543	ppb	68.6907	73.4	13.2190
Ni 231.604	-1.0036	ppb	0.3454	34.4	-0.6707
Pb 220.353	-0.0949	ppb	3.5394	3728.2	1.5390
Sb 206.834	-0.0495	ppb	1.9918	4025.4	2.5229
Se 196.026	-4.7390	ppb	4.1115	86.8	2.2846
Sn 189.925	-2.8163	ppb	1.9268	68.4	-0.5369
Sr 216.596	-1.1980	ppb	0.4399	36.7	-3.4161
Ti 334.941	-0.2829	ppb	0.0570	20.2	-69.5346
Tl 190.794	4.0260	ppb	1.1046	27.4	-0.1223
V 292.401	-0.7605	ppb	0.1180	15.5	-0.0376
Zn 206.200	-1.9143	ppb	0.0395	2.1	-0.3087

(Samp) **4/17/2013, 5:21:03 AM** **Rack 4, Tube 45**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3440	ppb	0.1067	31.0	-22.1384
Al 308.215	-19.8672	ppb	1.4868	7.5	-5.5905
As 188.980	-0.5800	ppb	3.3735	581.6	-2.0372
B 249.678	-6.5028	ppb	0.4407	6.8	15.9177
Ba 389.178	-1.8460	ppb	0.2120	11.5	-33.4412
Be 313.042	-0.3171	ppb	0.0050	1.6	-364.564
Ca 370.602	-14.11	ppb	1.487	10.5	-90.51
Cd 226.502	-1.0940	ppb	0.0830	7.6	9.1243
Co 228.615	-0.3142	ppb	0.2115	67.3	-7.1374
Cr 267.716	-1.8135	ppb	0.0477	2.6	6.1326
Cu 324.754	-3.3607	ppb	0.1895	5.6	21.0390
Fe 271.441	4.8719	ppb	3.2438	66.6	-3.2393
K 766.491	-19.8248	ppb	0.3550	1.8	1582.51
Mg 279.078	-10.7880	ppb	0.7257	6.7	16.4733
Mn 257.610	-1.8266	ppb	0.0299	1.6	2.5772
Mo 202.032	-1.2024	ppb	0.5955	49.5	0.4989
Na 330.237	106.443	ppb	16.6305	15.6	14.0611
Ni 231.604	-0.6726	ppb	0.6632	98.6	0.3576
Pb 220.353	-1.1475	ppb	0.8339	72.7	0.6018
Sb 206.834	-1.5516	ppb	2.5156	162.1	1.5015
Se 196.026	-1.3597	ppb	2.2494	165.4	3.1665
Sn 189.925	-3.4145	ppb	2.4349	71.3	-0.9267
Sr 216.596	-1.2700	ppb	0.0934	7.4	-3.9039
Ti 334.941	-0.3158	ppb	0.0285	9.0	-76.6930

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.3211	ppb	2.0679	156.5	-1.4504
V 292.401	-0.7947	ppb	0.1316	16.6	-1.0655
Zn 206.200	-1.8655	ppb	0.1110	5.9	-0.1422

(Samp) **4/17/2013, 5:26:33 AM** **Rack 4, Tube 46**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4776	ppb	0.1871	39.2	-26.3294
Al 308.215	-20.3536	ppb	0.5961	2.9	-7.0933
As 188.980	3.3763	ppb	2.1524	63.7	-0.4201
B 249.678	-6.7179	ppb	0.0644	1.0	14.0167
Ba 389.178	-1.5011	ppb	0.2655	17.7	-27.4552
Be 313.042	-0.3181	ppb	0.0059	1.9	-365.925
Ca 370.602	-14.74	ppb	1.771	12.0	-93.27
Cd 226.502	-1.1103	ppb	0.1120	10.1	8.7394
Co 228.615	-0.5735	ppb	0.3349	58.4	-9.2850
Cr 267.716	-1.7836	ppb	0.2035	11.4	6.6292
Cu 324.754	-3.3866	ppb	0.1529	4.5	20.0983
Fe 271.441	6.7668	ppb	2.9855	44.1	-1.7604
K 766.491	-20.0042	ppb	0.0188	0.1	1560.53
Mg 279.078	-12.7449	ppb	2.3860	18.7	13.8957
Mn 257.610	-1.8539	ppb	0.0320	1.7	-0.1163
Mo 202.032	-1.3797	ppb	0.3129	22.7	-0.1642
Na 330.237	62.8633	ppb	23.5756	37.5	11.2097
Ni 231.604	-1.0442	ppb	0.4379	41.9	-0.7948
Pb 220.353	-0.1758	ppb	1.4079	801.0	1.4672
Sb 206.834	0.4151	ppb	2.2265	536.4	2.8373
Se 196.026	-4.4738	ppb	1.2363	27.6	2.3538
Sn 189.925	-3.3093	ppb	0.9953	30.1	-0.8581
Sr 216.596	-1.5559	ppb	0.2919	18.8	-5.7684
Ti 334.941	-0.2927	ppb	0.0128	4.4	-71.6747
Tl 190.794	5.7111	ppb	3.2530	57.0	0.7049
V 292.401	-0.6454	ppb	0.1542	23.9	3.3402
Zn 206.200	-2.1629	ppb	0.1465	6.8	-1.1495

(Samp) **4/17/2013, 5:32:03 AM** **Rack 4, Tube 47**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1709	ppb	0.6746	394.8	-16.7076
Al 308.215	-19.7607	ppb	0.2178	1.1	-5.2517
As 188.980	2.0388	ppb	2.5299	124.1	-0.9668
B 249.678	-6.7062	ppb	0.5730	8.5	14.1368
Ba 389.178	-1.9942	ppb	0.3463	17.4	-36.0167
Be 313.042	-0.3233	ppb	0.0049	1.5	-374.165
Ca 370.602	-17.86	ppb	0.9902	5.5	-104.9
Cd 226.502	-1.1631	ppb	0.2221	19.1	7.4781
Co 228.615	-0.2809	ppb	0.3070	109.3	-6.8588
Cr 267.716	-1.8698	ppb	0.0822	4.4	5.1934
Cu 324.754	-3.4398	ppb	0.1971	5.7	18.1802
Fe 271.441	2.3112	ppb	5.5518	240.2	-5.2364
K 766.491	-19.7714	ppb	0.2458	1.2	1589.10

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-13.1323	ppb	1.4310	10.9	13.4026
Mn 257.610	-1.8525	ppb	0.0361	2.0	0.0191
Mo 202.032	-1.0868	ppb	0.0342	3.1	0.9309
Na 330.237	54.7867	ppb	95.3602	174.1	10.6837
Ni 231.604	-0.2712	ppb	0.2332	86.0	1.6046
Pb 220.353	-0.9170	ppb	1.5951	173.9	0.8073
Sb 206.834	-0.6128	ppb	0.7444	121.5	2.1404
Se 196.026	-10.1170	ppb	1.3334	13.2	0.8812
Sn 189.925	-3.8987	ppb	1.1638	29.9	-1.2423
Sr 216.596	-1.3340	ppb	0.1802	13.5	-4.3393
Ti 334.941	-0.3157	ppb	0.0226	7.2	-76.6743
Tl 190.794	0.0716	ppb	0.7006	977.9	-2.0631
V 292.401	-0.5991	ppb	0.1297	21.7	4.7502
Zn 206.200	-2.1384	ppb	0.3926	18.4	-1.0668

(Samp) **4/17/2013, 5:37:34 AM** **Rack 4, Tube 48**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5242	ppb	0.3749	71.5	-27.7905
Al 308.215	-20.6796	ppb	0.8159	3.9	-8.1076
As 188.980	4.3290	ppb	1.3887	32.1	-0.0308
B 249.678	-6.5516	ppb	0.4466	6.8	15.4932
Ba 389.178	-1.3272	ppb	0.2569	19.4	-24.4390
Be 313.042	-0.3247	ppb	0.0037	1.1	-376.334
Ca 370.602	-15.57	ppb	1.801	11.6	-96.23
Cd 226.502	-1.1660	ppb	0.0658	5.6	7.4140
Co 228.615	-0.2692	ppb	0.0167	6.2	-6.7610
Cr 267.716	-1.8040	ppb	0.2262	12.5	6.2901
Cu 324.754	-3.5403	ppb	0.0673	1.9	14.5326
Fe 271.441	4.3884	ppb	2.8694	65.4	-3.6087
K 766.491	-20.2538	ppb	0.2715	1.3	1530.01
Mg 279.078	-10.6754	ppb	1.1837	11.1	16.6231
Mn 257.610	-1.8632	ppb	0.0381	2.0	-1.0426
Mo 202.032	-1.3575	ppb	0.6231	45.9	-0.0809
Na 330.237	90.3314	ppb	82.8843	91.8	13.0075
Ni 231.604	-0.6682	ppb	0.5437	81.4	0.3717
Pb 220.353	0.9181	ppb	2.8593	311.5	2.4411
Sb 206.834	0.9194	ppb	4.0438	439.8	3.1784
Se 196.026	-3.8337	ppb	8.1671	213.0	2.5209
Sn 189.925	-2.5274	ppb	1.1742	46.5	-0.3486
Sr 216.596	-1.2778	ppb	0.1377	10.8	-3.9520
Ti 334.941	-0.3053	ppb	0.0263	8.6	-74.4229
Tl 190.794	2.9864	ppb	1.9673	65.9	-0.6320
V 292.401	-0.5674	ppb	0.1118	19.7	5.6923
Zn 206.200	-1.9759	ppb	0.0245	1.2	-0.5158

Cont Calib Verif (CCV) **4/17/2013, 5:43:04 AM** **Rack 4, Tube 49**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3415	ppb	0.1441	42.2	-22.0629	-0.06831Q
Al 308.215	-20.0302	ppb	1.5131	7.6	-6.0980	-0.40060Q

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1.1433	ppb	3.1761	277.8	-1.3329	0.22865Q
B 249.678	-7.4086	ppb	0.2225	3.0	7.9425	-0.29635Q
Ba 389.178	-1.6985	ppb	0.3831	22.6	-30.8868	-0.03397Q
Be 313.042	-0.3133	ppb	0.0023	0.7	-358.444	-0.06267Q
Ca 370.602	-14.88	ppb	2.243	15.1	-93.18	-0.29753Q
Cd 226.502	-1.1595	ppb	0.1139	9.8	7.5657	-0.23190Q
Co 228.615	-0.4867	ppb	0.0909	18.7	-8.5607	-0.09735Q
Cr 267.716	-1.7253	ppb	0.1906	11.0	7.6046	-0.03451Q
Cu 324.754	-3.6055	ppb	0.0693	1.9	12.1707	-0.07211Q
Fe 271.441	3.2922	ppb	2.6441	80.3	-4.4870	0.06584Q
K 766.491	-20.1742	ppb	0.1395	0.7	1539.83	-0.20174Q
Mg 279.078	-12.9278	ppb	0.4836	3.7	13.6685	-0.25856Q
Mn 257.610	-1.8690	ppb	0.0290	1.6	-1.6157	-0.03738Q
Mo 202.032	-1.7106	ppb	0.1215	7.1	-1.4002	-0.34212Q
Na 330.237	24.0980	ppb	46.0085	190.9	8.6765	0.32131Q
Ni 231.604	-0.4649	ppb	0.7457	160.4	1.0029	-0.01860Q
Pb 220.353	-0.7038	ppb	2.7491	390.6	0.9973	-0.14076Q
Sb 206.834	0.3122	ppb	1.6433	526.4	2.7714	0.01249Q
Se 196.026	-9.2348	ppb	6.7823	73.4	1.1114	-0.18470Q
Sn 189.925	-4.7874	ppb	2.0721	43.3	-1.8214	-0.09575Q
Sr 216.596	-1.4454	ppb	0.3839	26.6	-5.0587	-0.05782Q
Ti 334.941	-0.3123	ppb	0.0253	8.1	-75.9244	-0.06247Q
Tl 190.794	0.9022	ppb	1.5344	170.1	-1.6559	0.01804Q
V 292.401	-0.7000	ppb	0.1952	27.9	1.7965	-0.01400Q
Zn 206.200	-2.0823	ppb	0.1142	5.5	-0.8777	-0.08329Q

Cont Calib Blank (CCB) **4/17/2013, 5:48:34 AM** **Rack 4, Tube 50**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2226	ppb	0.0883	39.7	-18.3292	-0.22256
Al 308.215	-21.3260	ppb	1.3461	6.3	-10.1180	-21.32603
As 188.980	1.2807	ppb	3.8252	298.7	-1.2766	1.28066
B 249.678	-6.5766	ppb	0.2400	3.6	15.2620	-6.57655
Ba 389.178	-1.0809	ppb	0.3158	29.2	-20.1640	-1.08093
Be 313.042	-0.3136	ppb	0.0028	0.9	-358.987	-0.31364
Ca 370.602	-16.51	ppb	3.008	18.2	-100.7	-16.50926
Cd 226.502	-1.0888	ppb	0.0322	3.0	9.2553	-1.08876
Co 228.615	-0.1983	ppb	0.3186	160.7	-6.1780	-0.19830
Cr 267.716	-1.8271	ppb	0.0559	3.1	5.9029	-1.82712
Cu 324.754	-3.4420	ppb	0.1732	5.0	18.0973	-3.44203
Fe 271.441	7.2692	ppb	3.2379	44.5	-1.3543	7.26915
K 766.491	-20.0641	ppb	0.2291	1.1	1553.12	-20.06409
Mg 279.078	-11.6518	ppb	2.5215	21.6	15.3250	-11.65179
Mn 257.610	-1.8505	ppb	0.0301	1.6	0.2136	-1.85054
Mo 202.032	-1.0691	ppb	0.2716	25.4	0.9963	-1.06915
Na 330.237	115.890	ppb	57.2935	49.4	14.6778	115.89043
Ni 231.604	-0.8684	ppb	0.3362	38.7	-0.2501	-0.86836
Pb 220.353	-0.2190	ppb	1.7345	791.9	1.4285	-0.21904
Sb 206.834	-1.1080	ppb	1.7095	154.3	1.8013	-1.10799
Se 196.026	-1.8187	ppb	4.5812	251.9	3.0466	-1.81872
Sn 189.925	-3.0187	ppb	1.1845	39.2	-0.6687	-3.01870
Sr 216.596	-0.9373	ppb	0.3267	34.9	-1.7093	-0.93727
Ti 334.941	-0.3057	ppb	0.0250	8.2	-74.5063	-0.30569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	3.0098	ppb	3.6670	121.8	-0.6212	3.00980
V 292.401	-0.6979	ppb	0.0561	8.0	1.7865	-0.69790
Zn 206.200	-1.5276	ppb	0.3288	21.5	1.0034	-1.52763

(Samp) **4/17/2013, 5:54:05 AM** **Rack 4, Tube 51**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1696	ppb	0.1099	64.8	-16.6690
Al 308.215	-19.2524	ppb	0.1219	0.6	-3.6763
As 188.980	-0.1305	ppb	1.3580	1040.9	-1.8534
B 249.678	-6.9264	ppb	0.4538	6.6	12.1883
Ba 389.178	-1.4593	ppb	0.1932	13.2	-26.7323
Be 313.042	-0.3156	ppb	0.0023	0.7	-362.116
Ca 370.602	-14.61	ppb	1.323	9.1	-92.24
Cd 226.502	-1.1241	ppb	0.0607	5.4	8.4081
Co 228.615	-0.2911	ppb	0.1746	60.0	-6.9443
Cr 267.716	-1.6627	ppb	0.1073	6.5	8.6497
Cu 324.754	-3.3867	ppb	0.1451	4.3	20.0936
Fe 271.441	4.4292	ppb	3.3451	75.5	-3.5904
K 766.491	-19.9782	ppb	0.1563	0.8	1563.73
Mg 279.078	-14.1253	ppb	1.4776	10.5	12.0915
Mn 257.610	-1.8319	ppb	0.0417	2.3	2.0586
Mo 202.032	-0.9970	ppb	0.5897	59.1	1.2665
Na 330.237	95.8823	ppb	9.8005	10.2	13.3702
Ni 231.604	-0.7476	ppb	0.3769	50.4	0.1240
Pb 220.353	-0.1072	ppb	0.8942	834.3	1.5281
Sb 206.834	-0.8486	ppb	1.7699	208.6	1.9769
Se 196.026	-4.1363	ppb	1.2737	30.8	2.4419
Sn 189.925	-1.8072	ppb	1.1534	63.8	0.1208
Sr 216.596	-1.3405	ppb	0.3007	22.4	-4.3632
Ti 334.941	-0.2750	ppb	0.0162	5.9	-67.8112
Tl 190.794	1.5629	ppb	0.7930	50.7	-1.3316
V 292.401	-0.7304	ppb	0.0782	10.7	0.8447
Zn 206.200	-2.1804	ppb	0.3835	17.6	-1.2099

(Samp) **4/17/2013, 5:59:35 AM** **Rack 4, Tube 52**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0782	ppb	0.3040	388.9	-13.8011
Al 308.215	-20.5913	ppb	1.9096	9.3	-7.8343
As 188.980	2.1091	ppb	1.8988	90.0	-0.9382
B 249.678	-6.4893	ppb	0.3118	4.8	16.0293
Ba 389.178	-1.6118	ppb	0.6726	41.7	-29.3721
Be 313.042	-0.3196	ppb	0.0065	2.0	-368.336
Ca 370.602	-14.99	ppb	2.171	14.5	-94.86
Cd 226.502	-1.0987	ppb	0.0792	7.2	9.0220
Co 228.615	-0.1860	ppb	0.1083	58.2	-6.0715
Cr 267.716	-1.8772	ppb	0.2826	15.1	5.0650
Cu 324.754	-3.3832	ppb	0.0578	1.7	20.2209
Fe 271.441	9.2284	ppb	6.4150	69.5	0.1787
K 766.491	-19.9485	ppb	0.2468	1.2	1567.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-13.0964	ppb	2.3672	18.1	13.4209
Mn 257.610	-1.8375	ppb	0.0103	0.6	1.5072
Mo 202.032	-1.2378	ppb	0.3551	28.7	0.3656
Na 330.237	125.728	ppb	50.2471	40.0	15.3199
Ni 231.604	-0.7137	ppb	0.2946	41.3	0.2304
Pb 220.353	-1.9587	ppb	2.8027	143.1	-0.1200
Sb 206.834	-1.0790	ppb	2.2651	209.9	1.8209
Se 196.026	-5.2882	ppb	3.7512	70.9	2.1412
Sn 189.925	-1.9377	ppb	1.7092	88.2	0.0358
Sr 216.596	-1.2497	ppb	0.4579	36.6	-3.7626
Ti 334.941	-0.2978	ppb	0.0444	14.9	-72.7859
Tl 190.794	2.8715	ppb	3.4708	120.9	-0.6887
V 292.401	-0.5640	ppb	0.1071	19.0	5.8066
Zn 206.200	-1.9615	ppb	0.7257	37.0	-0.4673

(Samp) **4/17/2013, 6:05:05 AM** **Rack 4, Tube 53**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4127	ppb	0.1279	31.0	-24.2966
Al 308.215	-19.0616	ppb	2.5912	13.6	-3.0871
As 188.980	1.4362	ppb	0.3588	25.0	-1.2131
B 249.678	-7.0798	ppb	0.0367	0.5	10.8253
Ba 389.178	-1.3523	ppb	0.3790	28.0	-24.8658
Be 313.042	-0.3197	ppb	0.0083	2.6	-368.558
Ca 370.602	-14.95	ppb	2.012	13.5	-94.58
Cd 226.502	-1.1623	ppb	0.1628	14.0	7.5121
Co 228.615	-0.4264	ppb	0.0655	15.4	-8.0637
Cr 267.716	-1.7246	ppb	0.1402	8.1	7.6137
Cu 324.754	-3.3130	ppb	0.2451	7.4	22.7665
Fe 271.441	9.9506	ppb	8.9369	89.8	0.7339
K 766.491	-19.8628	ppb	0.1221	0.6	1577.77
Mg 279.078	-9.4422	ppb	1.4640	15.5	18.2267
Mn 257.610	-1.8313	ppb	0.0117	0.6	2.1266
Mo 202.032	-1.0139	ppb	0.3070	30.3	1.2029
Na 330.237	47.2734	ppb	41.8523	88.5	10.1895
Ni 231.604	-0.7767	ppb	0.7787	100.3	0.0350
Pb 220.353	0.4773	ppb	0.1600	33.5	2.0485
Sb 206.834	-0.3603	ppb	1.1215	311.3	2.3121
Se 196.026	-4.9642	ppb	3.5154	70.8	2.2258
Sn 189.925	-3.4796	ppb	2.3406	67.3	-0.9691
Sr 216.596	-1.0900	ppb	0.3063	28.1	-2.7124
Ti 334.941	-0.2894	ppb	0.0164	5.7	-70.9385
Tl 190.794	2.6141	ppb	1.7828	68.2	-0.8157
V 292.401	-0.7506	ppb	0.0793	10.6	0.2658
Zn 206.200	-1.8263	ppb	0.2160	11.8	-0.0096

(Samp) **4/17/2013, 6:10:35 AM** **Rack 4, Tube 54**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2970	ppb	0.5976	201.2	-20.6648
Al 308.215	-19.3362	ppb	0.7230	3.7	-3.9379

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2.5652	ppb	2.0791	81.1	-0.7516
B 249.678	-6.8537	ppb	0.2592	3.8	12.8256
Ba 389.178	-1.7906	ppb	0.6429	35.9	-32.4810
Be 313.042	-0.3226	ppb	0.0019	0.6	-373.140
Ca 370.602	-14.77	ppb	0.8273	5.6	-93.48
Cd 226.502	-1.1829	ppb	0.0666	5.6	7.0175
Co 228.615	-0.3709	ppb	0.1701	45.9	-7.6027
Cr 267.716	-1.5834	ppb	0.1673	10.6	9.9717
Cu 324.754	-3.4572	ppb	0.1388	4.0	17.5389
Fe 271.441	6.2218	ppb	4.0710	65.4	-2.1789
K 766.491	-20.1026	ppb	0.0732	0.4	1548.62
Mg 279.078	-12.8566	ppb	1.0866	8.5	13.7468
Mn 257.610	-1.8361	ppb	0.0125	0.7	1.6431
Mo 202.032	-1.5113	ppb	0.1647	10.9	-0.6559
Na 330.237	109.339	ppb	46.9592	42.9	14.2493
Ni 231.604	-0.9217	ppb	0.4263	46.3	-0.4165
Pb 220.353	-1.0085	ppb	0.9090	90.1	0.7258
Sb 206.834	-1.3696	ppb	1.2425	90.7	1.6257
Se 196.026	-7.2208	ppb	2.0550	28.5	1.6369
Sn 189.925	-1.9492	ppb	0.6000	30.8	0.0283
Sr 216.596	-1.2401	ppb	0.1297	10.5	-3.6928
Ti 334.941	-0.2878	ppb	0.0417	14.5	-70.6000
Tl 190.794	2.0227	ppb	0.2590	12.8	-1.1055
V 292.401	-0.6452	ppb	0.0627	9.7	3.4027
Zn 206.200	-1.9555	ppb	0.1114	5.7	-0.4478

(Samp) **4/17/2013, 6:16:06 AM** **Rack 4, Tube 55**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5145	ppb	0.1646	32.0	-27.4881
Al 308.215	-18.8295	ppb	1.6915	9.0	-2.3559
As 188.980	2.2720	ppb	0.8760	38.6	-0.8713
B 249.678	-6.7845	ppb	0.3538	5.2	13.4297
Ba 389.178	-1.3714	ppb	0.1952	14.2	-25.2077
Be 313.042	-0.3101	ppb	0.0026	0.8	-353.301
Ca 370.602	-14.87	ppb	0.9150	6.2	-93.85
Cd 226.502	-1.1255	ppb	0.0518	4.6	8.3819
Co 228.615	-0.3934	ppb	0.0521	13.2	-7.7909
Cr 267.716	-1.7170	ppb	0.0660	3.8	7.7418
Cu 324.754	-3.2756	ppb	0.0339	1.0	24.1149
Fe 271.441	7.6836	ppb	2.6341	34.3	-1.0419
K 766.491	-20.2240	ppb	0.3046	1.5	1533.66
Mg 279.078	-13.4381	ppb	1.9014	14.1	12.9826
Mn 257.610	-1.8464	ppb	0.0115	0.6	0.6220
Mo 202.032	-1.3215	ppb	0.1313	9.9	0.0534
Na 330.237	79.7264	ppb	108.669	136.3	12.3131
Ni 231.604	-1.4345	ppb	0.0305	2.1	-2.0116
Pb 220.353	-1.2053	ppb	0.6952	57.7	0.5505
Sb 206.834	-2.5328	ppb	1.3168	52.0	0.8366
Se 196.026	-5.3588	ppb	7.4704	139.4	2.1228
Sn 189.925	-3.0963	ppb	1.4126	45.6	-0.7193
Sr 216.596	-1.2150	ppb	0.2290	18.8	-3.5091
Ti 334.941	-0.2618	ppb	0.0536	20.5	-64.9517

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.5590	ppb	2.8788	515.0	-1.8246
V 292.401	-0.6429	ppb	0.0936	14.6	3.4224
Zn 206.200	-1.5560	ppb	0.2412	15.5	0.9064

(Samp) **4/17/2013, 6:21:36 AM** **Rack 4, Tube 56**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1578	ppb	0.1190	75.4	-16.2974
Al 308.215	-20.4074	ppb	0.9614	4.7	-7.2686
As 188.980	3.7064	ppb	3.6990	99.8	-0.2853
B 249.678	-6.3929	ppb	0.5327	8.3	16.8860
Ba 389.178	-1.5791	ppb	0.2801	17.7	-28.8120
Be 313.042	-0.3135	ppb	0.0069	2.2	-358.678
Ca 370.602	-14.85	ppb	0.5044	3.4	-93.47
Cd 226.502	-1.1082	ppb	0.0566	5.1	8.7885
Co 228.615	-0.2265	ppb	0.2163	95.5	-6.4082
Cr 267.716	-1.6547	ppb	0.0968	5.8	8.7827
Cu 324.754	-3.4430	ppb	0.1120	3.3	18.0561
Fe 271.441	6.0837	ppb	4.1923	68.9	-2.2891
K 766.491	-20.1012	ppb	0.1358	0.7	1548.68
Mg 279.078	-13.9652	ppb	2.7434	19.6	12.2963
Mn 257.610	-1.8409	ppb	0.0067	0.4	1.1596
Mo 202.032	-1.3550	ppb	0.2676	19.7	-0.0716
Na 330.237	55.3183	ppb	68.7334	124.3	10.7176
Ni 231.604	-0.5394	ppb	0.7113	131.9	0.7728
Pb 220.353	-0.0268	ppb	1.0691	3985.3	1.5997
Sb 206.834	-2.2444	ppb	1.0203	45.5	1.0297
Se 196.026	-5.3742	ppb	4.9336	91.8	2.1188
Sn 189.925	-1.3755	ppb	0.8095	58.9	0.4021
Sr 216.596	-1.4211	ppb	0.1010	7.1	-4.8990
Ti 334.941	-0.3096	ppb	0.0356	11.5	-75.3403
Tl 190.794	3.1871	ppb	1.2772	40.1	-0.5339
V 292.401	-0.7239	ppb	0.0855	11.8	1.0642
Zn 206.200	-1.7382	ppb	0.5010	28.8	0.2887

(Samp) **4/17/2013, 6:27:06 AM** **Rack 4, Tube 57**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3724	ppb	0.0661	17.7	-23.0304
Al 308.215	-20.0374	ppb	0.5005	2.5	-6.1119
As 188.980	4.8804	ppb	3.0419	62.3	0.1947
B 249.678	-6.6909	ppb	0.3913	5.8	14.2726
Ba 389.178	-1.6616	ppb	0.4693	28.2	-30.2438
Be 313.042	-0.3172	ppb	0.0057	1.8	-364.531
Ca 370.602	-15.84	ppb	0.8502	5.4	-96.59
Cd 226.502	-1.1806	ppb	0.1010	8.6	7.0605
Co 228.615	-0.2527	ppb	0.3502	138.6	-6.6274
Cr 267.716	-1.6640	ppb	0.2239	13.5	8.6306
Cu 324.754	-3.4677	ppb	0.1488	4.3	17.1631
Fe 271.441	1.1668	ppb	6.5866	564.5	-6.1353
K 766.491	-20.0431	ppb	0.4719	2.4	1555.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-13.9238	ppb	2.6237	18.8	12.3681
Mn 257.610	-1.8459	ppb	0.0318	1.7	0.6698
Mo 202.032	-1.1516	ppb	0.4843	42.1	0.6893
Na 330.237	86.5115	ppb	52.6613	60.9	12.7587
Ni 231.604	-0.5952	ppb	0.6952	116.8	0.5982
Pb 220.353	-1.6818	ppb	1.0553	62.7	0.1260
Sb 206.834	-2.9377	ppb	0.7032	23.9	0.5621
Se 196.026	-4.2310	ppb	4.9174	116.2	2.4173
Sn 189.925	-2.1923	ppb	0.2952	13.5	-0.1302
Sr 216.596	-1.1683	ppb	0.1172	10.0	-3.2406
Ti 334.941	-0.2705	ppb	0.0357	13.2	-66.8493
Tl 190.794	2.0955	ppb	0.3905	18.6	-1.0697
V 292.401	-0.7067	ppb	0.1179	16.7	1.5220
Zn 206.200	-2.2336	ppb	0.2315	10.4	-1.3900

(Samp) **4/17/2013, 6:32:37 AM** **Rack 4, Tube 58**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4913	ppb	0.1502	30.6	-26.7621
Al 308.215	-20.7299	ppb	0.9465	4.6	-8.2705
As 188.980	-0.8968	ppb	2.1017	234.4	-2.1667
B 249.678	-6.5669	ppb	0.4535	6.9	15.3505
Ba 389.178	-1.7189	ppb	0.6054	35.2	-31.2309
Be 313.042	-0.3183	ppb	0.0008	0.3	-366.263
Ca 370.602	-14.92	ppb	1.482	9.9	-94.11
Cd 226.502	-1.0878	ppb	0.0719	6.6	9.2752
Co 228.615	-0.3229	ppb	0.2995	92.7	-7.2055
Cr 267.716	-1.4870	ppb	0.2761	18.6	11.5798
Cu 324.754	-3.3163	ppb	0.0708	2.1	22.6468
Fe 271.441	6.8360	ppb	4.6066	67.4	-1.6988
K 766.491	-20.0396	ppb	0.1488	0.7	1556.27
Mg 279.078	-11.4394	ppb	0.7453	6.5	15.6085
Mn 257.610	-1.8386	ppb	0.0076	0.4	1.4000
Mo 202.032	-1.3161	ppb	0.2500	19.0	0.0736
Na 330.237	71.7167	ppb	67.1080	93.6	11.7888
Ni 231.604	-0.4276	ppb	0.0369	8.6	1.1185
Pb 220.353	-1.7891	ppb	0.2664	14.9	0.0306
Sb 206.834	-0.1891	ppb	1.2272	649.1	2.4266
Se 196.026	-5.7534	ppb	4.5104	78.4	2.0198
Sn 189.925	-1.6724	ppb	1.7935	107.2	0.2087
Sr 216.596	-1.2932	ppb	0.1526	11.8	-4.0603
Ti 334.941	-0.3012	ppb	0.0183	6.1	-73.5077
Tl 190.794	0.4299	ppb	2.3487	546.3	-1.8876
V 292.401	-0.6699	ppb	0.0890	13.3	2.6610
Zn 206.200	-1.9852	ppb	0.5629	28.4	-0.5487

Cont Calib Verif (CCV) **4/17/2013, 6:38:07 AM** **Rack 4, Tube 59**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1826	ppb	0.1937	106.1	-17.0755	-0.03652Q
Al 308.215	-20.6461	ppb	1.3472	6.5	-8.0096	-0.41292Q

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1.1518	ppb	0.8124	70.5	-1.3293	0.23037Q
B 249.678	-6.9039	ppb	0.3529	5.1	12.3876	-0.27616Q
Ba 389.178	-1.3019	ppb	0.2618	20.1	-23.9990	-0.02604Q
Be 313.042	-0.3153	ppb	0.0051	1.6	-361.651	-0.06306Q
Ca 370.602	-14.92	ppb	1.330	8.9	-93.63	-0.29836Q
Cd 226.502	-1.1752	ppb	0.1220	10.4	7.1973	-0.23503Q
Co 228.615	-0.4067	ppb	0.1553	38.2	-7.9022	-0.08135Q
Cr 267.716	-1.7668	ppb	0.2123	12.0	6.9127	-0.03534Q
Cu 324.754	-3.4238	ppb	0.2224	6.5	18.7517	-0.06848Q
Fe 271.441	4.9276	ppb	1.5573	31.6	-3.1916	0.09855Q
K 766.491	-20.1840	ppb	0.1650	0.8	1538.57	-0.20184Q
Mg 279.078	-12.3479	ppb	1.1879	9.6	14.4246	-0.24696Q
Mn 257.610	-1.8318	ppb	0.0651	3.6	2.0667	-0.03664Q
Mo 202.032	-1.3957	ppb	0.4147	29.7	-0.2233	-0.27913Q
Na 330.237	126.262	ppb	23.2292	18.4	15.3575	1.68350Q
Ni 231.604	-0.8806	ppb	0.5170	58.7	-0.2881	-0.03522Q
Pb 220.353	-2.4547	ppb	0.1849	7.5	-0.5619	-0.49094Q
Sb 206.834	-0.0934	ppb	1.5105	1617.5	2.4932	-0.00374Q
Se 196.026	-5.5418	ppb	4.7778	86.2	2.0751	-0.11084Q
Sn 189.925	-4.5946	ppb	0.7520	16.4	-1.6958	-0.09189Q
Sr 216.596	-1.1880	ppb	0.3765	31.7	-3.3562	-0.04752Q
Ti 334.941	-0.2770	ppb	0.0464	16.7	-68.2704	-0.05540Q
Tl 190.794	3.7874	ppb	1.0470	27.6	-0.2393	0.07575Q
V 292.401	-0.7627	ppb	0.0701	9.2	-0.1076	-0.01525Q
Zn 206.200	-1.6448	ppb	0.1431	8.7	0.6058	-0.06579Q

Cont Calib Blank (CCB) **4/17/2013, 6:43:37 AM** **Rack 4, Tube 60**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4436	ppb	0.3000	67.6	-25.2651	-0.44365
Al 308.215	-20.3750	ppb	2.0184	9.9	-7.1588	-20.37497
As 188.980	0.5104	ppb	3.3447	655.4	-1.5914	0.51035
B 249.678	-6.8683	ppb	0.2931	4.3	12.6937	-6.86835
Ba 389.178	-1.4626	ppb	0.2664	18.2	-26.7895	-1.46259
Be 313.042	-0.3139	ppb	0.0087	2.8	-359.295	-0.31385
Ca 370.602	-15.61	ppb	0.3880	2.5	-96.37	-15.60814
Cd 226.502	-1.1392	ppb	0.0602	5.3	8.0501	-1.13921
Co 228.615	-0.5286	ppb	0.1231	23.3	-8.9136	-0.52859
Cr 267.716	-1.6285	ppb	0.0083	0.5	9.2201	-1.62850
Cu 324.754	-3.4467	ppb	0.1322	3.8	17.9247	-3.44670
Fe 271.441	5.1813	ppb	1.7230	33.3	-3.0063	5.18126
K 766.491	-20.0551	ppb	0.4634	2.3	1554.32	-20.05515
Mg 279.078	-13.5483	ppb	1.7513	12.9	12.8469	-13.54827
Mn 257.610	-1.8105	ppb	0.0173	1.0	4.1780	-1.81045
Mo 202.032	-0.7634	ppb	0.6658	87.2	2.1393	-0.76343
Na 330.237	75.3691	ppb	75.8501	100.6	12.0283	75.36908
Ni 231.604	-0.6335	ppb	0.4781	75.5	0.4794	-0.63347
Pb 220.353	-1.3519	ppb	2.4403	180.5	0.4198	-1.35186
Sb 206.834	-0.9485	ppb	1.6238	171.2	1.9126	-0.94847
Se 196.026	-8.4457	ppb	1.6750	19.8	1.3173	-8.44571
Sn 189.925	-2.9625	ppb	1.6522	55.8	-0.6321	-2.96248
Sr 216.596	-1.4810	ppb	0.2044	13.8	-5.2940	-1.48101
Ti 334.941	-0.2779	ppb	0.0146	5.3	-68.4486	-0.27789

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	1.3562	ppb	3.3219	244.9	-1.4334	1.35619
V 292.401	-0.6671	ppb	0.0970	14.5	2.6724	-0.66710
Zn 206.200	-2.1737	ppb	0.2574	11.8	-1.1869	-2.17368

Cont Calib Verif (CCV) **4/17/2013, 6:49:05 AM** **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	502.504	ppb	18.4872	3.7	15751.0	100.50073
Al 308.215	5010.83	ppb	185.748	3.7	15914.6	100.21651
As 188.980	488.385	ppb	13.4502	2.8	198.577	97.67705
B 249.678	508.243	ppb	18.2414	3.6	4543.38	20.32973Q
Ba 389.178	5200.97	ppb	173.471	3.3	90286.9	104.01942
Be 313.042	522.445	ppb	18.5462	3.5	829245	104.48891
Ca 370.602	5167	ppb	172.7	3.3	19842	103.33497
Cd 226.502	517.615	ppb	19.0474	3.7	12329.3	103.52303
Co 228.615	524.075	ppb	18.3930	3.5	4339.03	104.81500
Cr 267.716	5275.22	ppb	194.601	3.7	88059.3	105.50449
Cu 324.754	5104.03	ppb	155.187	3.0	184922	102.08066
Fe 271.441	5100.20	ppb	187.636	3.7	4052.76	102.00393
K 766.491	9990.63	ppb	244.775	2.5	1222258	99.90626
Mg 279.078	4946.20	ppb	174.973	3.5	6500.82	98.92403
Mn 257.610	5301.02	ppb	191.846	3.6	524815	106.02039
Mo 202.032	494.862	ppb	16.5879	3.4	1843.77	98.97239
Na 330.237	7468.20	ppb	248.104	3.3	493.950	99.57597
Ni 231.604	2640.71	ppb	86.3104	3.3	8215.28	105.62839
Pb 220.353	505.371	ppb	18.2269	3.6	445.343	101.07413
Sb 206.834	936.047	ppb	38.0342	4.1	675.009	37.44188Q
Se 196.026	4816.06	ppb	155.188	3.2	1261.28	96.32120
Sn 189.925	5106.07	ppb	192.204	3.8	3329.07	102.12144
Sr 216.596	2555.51	ppb	84.1806	3.3	16679.6	102.22021
Ti 334.941	501.496	ppb	17.5824	3.5	109217	100.29924
Tl 190.794	5061.44	ppb	173.171	3.4	2488.99	101.22881
V 292.401	4954.68	ppb	176.618	3.6	145777	99.09366
Zn 206.200	2735.67	ppb	90.6050	3.3	9253.76	109.42679

Cont Calib Blank (CCB) **4/17/2013, 6:54:30 AM** **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	-0.0985	ppb	0.2377	241.3	-14.4392	-0.09851
Al 308.215	-20.2596	ppb	0.6347	3.1	-6.8092	-20.25962
As 188.980	2.1062	ppb	3.0060	142.7	-0.9394	2.10619
B 249.678	-6.1537	ppb	0.1494	2.4	18.9958	-6.15368
Ba 389.178	-1.4609	ppb	0.2997	20.5	-26.7628	-1.46086
Be 313.042	-0.3155	ppb	0.0016	0.5	-361.783	-0.31545
Ca 370.602	-13.74	ppb	1.258	9.2	-88.97	-13.73743
Cd 226.502	-1.1249	ppb	0.0245	2.2	8.3912	-1.12486
Co 228.615	-0.3502	ppb	0.2987	85.3	-7.4300	-0.35021
Cr 267.716	-1.7923	ppb	0.1334	7.4	6.4860	-1.79227
Cu 324.754	-3.3869	ppb	0.1479	4.4	20.0842	-3.38685
Fe 271.441	4.4406	ppb	4.3069	97.0	-3.5741	4.44055
K 766.491	-19.8564	ppb	0.3178	1.6	1578.58	-19.85641

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-11.9749	ppb	1.4039	11.7	14.9140	-11.97490
Mn 257.610	-1.8589	ppb	0.0187	1.0	-0.6193	-1.85891
Mo 202.032	-1.5324	ppb	0.1398	9.1	-0.7344	-1.53235
Na 330.237	106.461	ppb	20.5329	19.3	14.0619	106.46099
Ni 231.604	-0.6576	ppb	0.4392	66.8	0.4059	-0.65758
Pb 220.353	0.2409	ppb	1.0332	428.9	1.8384	0.24091
Sb 206.834	-1.7368	ppb	0.4851	27.9	1.3738	-1.73681
Se 196.026	-5.7739	ppb	2.9320	50.8	2.0145	-5.77388
Sn 189.925	-2.5794	ppb	1.2556	48.7	-0.3825	-2.57943
Sr 216.596	-1.1764	ppb	0.1561	13.3	-3.2836	-1.17637
Ti 334.941	-0.2737	ppb	0.0252	9.2	-67.5402	-0.27368
Tl 190.794	3.1477	ppb	1.5378	48.9	-0.5530	3.14772
V 292.401	-0.6575	ppb	0.0722	11.0	3.0574	-0.65753
Zn 206.200	-1.9174	ppb	0.2203	11.5	-0.3184	-1.91745

660-52897-A-235-A (Samp) **4/17/2013, 6:59:56 AM** **Rack 1, Tube 3**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0492	ppb	0.8919	85.0	-44.2693
Al 308.215	23.2406	ppb	3.5155	15.1	128.432
As 188.980	-0.8377	ppb	8.5373	1019.2	-2.1435
B 249.678	-1.0569	ppb	0.3809	36.0	63.7643
Ba 389.178	-1.7344	ppb	0.8050	46.4	-31.4288
Be 313.042	-0.2094	ppb	0.0069	3.3	-194.159
Ca 370.602	11.73	ppb	3.346	28.5	4.167
Cd 226.502	-0.8969	ppb	0.0667	7.4	13.9026
Co 228.615	-0.8149	ppb	0.0689	8.5	-11.2879
Cr 267.716	-1.3598	ppb	0.0304	2.2	13.6807
Cu 324.754	-0.8373	ppb	0.1741	20.8	112.378
Fe 271.441	47.8018	ppb	3.8787	8.1	30.3785
K 766.491	-9.8732	ppb	0.8468	8.6	2797.35
Mg 279.078	0.8039	ppb	3.0162	375.2	31.5352
Mn 257.610	-1.3918	ppb	0.0998	7.2	45.6911
Mo 202.032	-0.7320	ppb	0.2133	29.1	2.2514
Na 330.237	78.1828	ppb	132.282	169.2	12.3418
Ni 231.604	-0.1897	ppb	0.7843	413.6	1.8635
Pb 220.353	1.5654	ppb	2.5001	159.7	3.0084
Sb 206.834	0.5911	ppb	4.3108	729.3	2.9533
Se 196.026	4.3601	ppb	6.4046	146.9	4.6589
Sn 189.925	-4.3822	ppb	3.1952	72.9	-1.5573
Sr 216.596	-2.2516	ppb	0.7751	34.4	-10.3640
Ti 334.941	0.1136	ppb	0.0458	40.3	16.5720
Tl 190.794	2.9588	ppb	4.8276	163.2	-0.6498
V 292.401	-0.5715	ppb	0.1529	26.7	5.3928
Zn 206.200	91.3569	ppb	3.8563	4.2	315.723

660-52897-A-236-A (Samp) **4/17/2013, 7:05:22 AM** **Rack 1, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.9192	ppb	0.9282	4.2	678.002
Al 308.215	10143.8	ppb	323.900	3.2	31602.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	195.187	ppb	3.2568	1.7	77.6547
B 249.678	385.517	ppb	13.9565	3.6	3445.07
Ba 389.178	209.848	ppb	6.1425	2.9	3673.72
Be 313.042	106.135	ppb	3.2663	3.1	168067
Ca 370.602	10240	ppb	295.4	2.9	38871
Cd 226.502	106.383	ppb	3.3287	3.1	2582.55
Co 228.615	106.779	ppb	3.5413	3.3	879.426
Cr 267.716	214.024	ppb	6.1687	2.9	3603.40
Cu 324.754	207.063	ppb	8.6022	4.2	7617.99
Fe 271.441	10121.9	ppb	269.700	2.7	7928.77
K 766.491	10070.5	ppb	247.620	2.5	1233282
Mg 279.078	9978.35	ppb	319.880	3.2	13103.6
Mn 257.610	1090.33	ppb	33.0563	3.0	108126
Mo 202.032	201.498	ppb	6.7194	3.3	756.369
Na 330.237	10233.8	ppb	255.537	2.5	670.686
Ni 231.604	208.982	ppb	7.4074	3.5	653.144
Pb 220.353	97.6009	ppb	4.7361	4.9	86.7523
Sb 206.834	98.0675	ppb	3.6027	3.7	70.4620
Se 196.026	194.250	ppb	17.6352	9.1	54.4122
Sn 189.925	407.790	ppb	16.7155	4.1	267.074
Sr 216.596	203.711	ppb	5.1497	2.5	1336.31
Ti 334.941	201.044	ppb	6.2695	3.1	43670.2
Tl 190.794	83.8611	ppb	4.7657	5.7	38.7418
V 292.401	201.025	ppb	5.6528	2.8	5892.58
Zn 206.200	299.584	ppb	9.6942	3.2	1021.00

660-52897-A-237-A (Samp) **4/17/2013, 7:10:49 AM** **Rack 1, Tube 5**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	410.839b	ppb	21.1682	5.2	12885.3
Al 308.215	4150.18b	ppb	119.217	2.9	12984.0
As 188.980	410.032b	ppb	18.9729	4.6	164.372
B 249.678	783.993b	ppb	24.4641	3.1	6884.29
Ba 389.178	395.333b	ppb	10.9629	2.8	6993.29
Be 313.042	412.012b	ppb	10.9527	2.7	651836
Ca 370.602	41501b	ppb	1160	2.8	157364
Cd 226.502	416.445b	ppb	13.7964	3.3	10010.5
Co 228.615	423.155b	ppb	14.3825	3.4	3499.50
Cr 267.716	426.631b	ppb	14.4626	3.4	7136.85
Cu 324.754	415.801b	ppb	13.7821	3.3	15108.8
Fe 271.441	42178.2b	ppb	1214.51	2.9	33056.7
K 766.491	40590.8xb	ppb	843.483	2.1	4958946
Mg 279.078	40573.6b	ppb	1134.56	2.8	53183.5
Mn 257.610	4336.61b	ppb	125.304	2.9	429508
Mo 202.032	405.437b	ppb	12.2770	3.0	1513.58
Na 330.237	38015.6b	ppb	862.462	2.3	2471.43
Ni 231.604	419.956b	ppb	12.4580	3.0	1312.05
Pb 220.353	405.084b	ppb	11.7788	2.9	360.472
Sb 206.834	380.889b	ppb	15.2515	4.0	266.717
Se 196.026	402.553b	ppb	19.6319	4.9	109.221
Sn 189.925	408.619b	ppb	6.8007	1.7	267.556
Sr 216.596	427.985b	ppb	11.5928	2.7	2815.01
Ti 334.941	402.253b	ppb	13.5573	3.4	87407.3

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	81.3737b	ppb	4.9126	6.0	36.5587
V 292.401	405.072b	ppb	11.7790	2.9	11852.4
Zn 206.200	486.892b	ppb	15.7882	3.2	1656.78

660-52897-A-238-A (Samp) **4/17/2013, 7:16:16 AM** **Rack 1, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5633b	ppb	0.2295	40.7	-29.0282
Al 308.215	17.0933b	ppb	1.9126	11.2	109.332
As 188.980	0.8392b	ppb	6.3633	758.3	-1.4689
B 249.678	41.8870b	ppb	0.3279	0.8	441.922
Ba 389.178	-1.0267b	ppb	0.9250	90.1	-18.9559
Be 313.042	-0.1593b	ppb	0.0048	3.0	-125.907
Ca 370.602	354.1b	ppb	4.162	1.2	1365
Cd 226.502	-0.7040b	ppb	0.1314	18.7	18.0941
Co 228.615	-0.6513b	ppb	0.0886	13.6	-9.9380
Cr 267.716	-1.0243b	ppb	0.0937	9.1	19.9847
Cu 324.754	-1.1311b	ppb	0.1850	16.4	100.817
Fe 271.441	60.2161b	ppb	1.6049	2.7	40.0985
K 766.491	84.8684b	ppb	1.3721	1.6	14362.5
Mg 279.078	91.1910b	ppb	5.8456	6.4	150.299
Mn 257.610	-0.9593b	ppb	0.0369	3.8	88.4732
Mo 202.032	0.2505b	ppb	0.1708	68.2	5.9219
Na 330.237	126024xb	ppb	1549.34	1.2	8248.93
Ni 231.604	-0.4068b	ppb	0.2186	53.7	1.1912
Pb 220.353	1.8356b	ppb	0.7663	41.7	3.2483
Sb 206.834	-0.3418b	ppb	1.2294	359.7	2.3262
Se 196.026	-2.7347b	ppb	5.6823	207.8	2.8116
Sn 189.925	-3.5692b	ppb	1.7627	49.4	-0.9970
Sr 216.596	-0.8324b	ppb	0.7292	87.6	-1.0181
Ti 334.941	0.2104b	ppb	0.0050	2.4	31.0865
Tl 190.794	1.5039b	ppb	4.2287	281.2	-1.3685
V 292.401	-0.5504b	ppb	0.3439	62.5	4.9111
Zn 206.200	133.185b	ppb	1.8210	1.4	457.450

660-52897-A-239-A (Samp) **4/17/2013, 7:21:43 AM** **Rack 1, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4411b	ppb	0.2826	64.1	-25.0431
Al 308.215	9430.04b	ppb	270.559	2.9	29369.3
As 188.980	0.1853b	ppb	5.1764	2793.4	-1.9454
B 249.678	249.409b	ppb	6.3363	2.5	2268.81
Ba 389.178	13.5706b	ppb	0.9684	7.1	235.256
Be 313.042	4.5931b	ppb	0.1506	3.3	7384.64
Ca 370.602	5969b	ppb	172.8	2.9	23668
Cd 226.502	-0.5650b	ppb	0.1089	19.3	22.4270
Co 228.615	0.1689b	ppb	0.3547	210.0	-3.1411
Cr 267.716	-0.7909b	ppb	0.3349	42.3	24.2338
Cu 324.754	7.5790b	ppb	0.1376	1.8	402.092
Fe 271.441	347.699b	ppb	3.2423	0.9	265.346
K 766.491	1188.71b	ppb	23.4881	2.0	149109

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	378.138b	ppb	12.7809	3.4	526.219
Mn 257.610	44.6028b	ppb	1.2793	2.9	4598.43
Mo 202.032	0.3828b	ppb	0.3659	95.6	6.5090
Na 330.237	203078xb	ppb	7503.95	3.7	13287.9
Ni 231.604	138.930b	ppb	3.9619	2.9	434.405
Pb 220.353	-0.2420b	ppb	5.2321	2162.2	0.3010
Sb 206.834	2.2622b	ppb	2.1970	97.1	4.1851
Se 196.026	15.3529b	ppb	7.9800	52.0	7.6277
Sn 189.925	-2.9403b	ppb	1.4435	49.1	-0.5899
Sr 216.596	48.9628b	ppb	0.9711	2.0	321.176
Ti 334.941	0.2450b	ppb	0.0570	23.3	40.9811
Tl 190.794	-0.5131b	ppb	3.9658	772.9	-2.5321
V 292.401	0.4862b	ppb	0.2855	58.7	34.6144
Zn 206.200	117.798b	ppb	3.5701	3.0	405.332

660-52897-A-240-A (Samp) **4/17/2013, 7:27:10 AM** **Rack 1, Tube 8**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2417	ppb	0.2233	92.4	-18.9117
Al 308.215	1879.70	ppb	57.5795	3.1	5899.17
As 188.980	-2.3332	ppb	9.4067	403.2	-2.7987
B 249.678	48.2010	ppb	1.7160	3.6	497.391
Ba 389.178	2.0840	ppb	1.0968	52.6	35.0720
Be 313.042	0.7500	ppb	0.0283	3.8	1320.29
Ca 370.602	1194	ppb	29.24	2.4	4698
Cd 226.502	-0.8767	ppb	0.0266	3.0	14.5485
Co 228.615	-0.5890	ppb	0.2638	44.8	-9.4028
Cr 267.716	-1.2570	ppb	0.4645	37.0	15.5829
Cu 324.754	0.5011	ppb	0.4863	97.0	157.856
Fe 271.441	121.361	ppb	8.2356	6.8	87.9999
K 766.491	200.797	ppb	4.7609	2.4	28513.6
Mg 279.078	80.4795	ppb	5.0556	6.3	135.951
Mn 257.610	8.3553	ppb	0.2530	3.0	1010.52
Mo 202.032	-1.2956	ppb	0.8814	68.0	0.1613
Na 330.237	37749.6	ppb	1009.02	2.7	2476.07
Ni 231.604	27.7345	ppb	1.1559	4.2	88.6881
Pb 220.353	-0.6105	ppb	1.1157	182.7	0.8555
Sb 206.834	2.7252	ppb	2.3652	86.8	4.4295
Se 196.026	4.1069	ppb	7.4074	180.4	4.6125
Sn 189.925	-5.2306	ppb	2.3715	45.3	-2.1054
Sr 216.596	8.1067	ppb	0.4633	5.7	56.7194
Ti 334.941	0.1967	ppb	0.0225	11.4	33.9616
Tl 190.794	8.1976	ppb	1.9779	24.1	1.8871
V 292.401	-0.3973	ppb	0.0930	23.4	10.3416
Zn 206.200	184.339	ppb	4.5910	2.5	630.775

680-87831-A-1-B (Samp) **4/17/2013, 7:32:38 AM** **Rack 1, Tube 9**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.8244b	ppb	0.6320	1.3	1551.10
Al 308.215	11217.9b	ppb	154.931	1.4	34965.8

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2032.77b	ppb	17.5551	0.9	828.695
B 249.678	1214.50b	ppb	14.6825	1.2	10771.8
Ba 389.178	2077.72b	ppb	25.0198	1.2	36066.2
Be 313.042	56.3044b	ppb	1.0402	1.8	89404.7
Ca 370.602	10882b	ppb	137.4	1.3	43166
Cd 226.502	51.6954b	ppb	0.6571	1.3	1265.01
Co 228.615	526.300b	ppb	4.1817	0.8	4360.94
Cr 267.716	210.309b	ppb	2.8319	1.3	3545.47
Cu 324.754	261.871b	ppb	2.3282	0.9	9591.70
Fe 271.441	1363.72b	ppb	21.1356	1.5	1091.28
K 766.491	7107.64b	ppb	73.1842	1.0	871122
Mg 279.078	5298.98b	ppb	80.1735	1.5	6988.91
Mn 257.610	580.437b	ppb	6.9763	1.2	57651.2
Mo 202.032	507.005b	ppb	8.0488	1.6	1898.76
Na 330.237	202508xb	ppb	1668.14	0.8	13244.0
Ni 231.604	648.083b	ppb	6.4054	1.0	2018.33
Pb 220.353	499.002b	ppb	8.3696	1.7	443.537
Sb 206.834	477.133b	ppb	6.5429	1.4	323.965
Se 196.026	1986.43b	ppb	21.5169	1.1	522.167
Sn 189.925	1024.51b	ppb	14.2530	1.4	669.239
Sr 216.596	561.122b	ppb	7.0015	1.2	3656.92
Ti 334.941	985.608b	ppb	11.1593	1.1	214016
Tl 190.794	2021.63b	ppb	20.2638	1.0	991.773
V 292.401	493.369b	ppb	6.7323	1.4	14448.7
Zn 206.200	671.823b	ppb	10.6952	1.6	2281.86

680-87831-A-1-B^5 (Samp) **4/17/2013, 7:38:06 AM** **Rack 1, Tube 10**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	42.6758b	ppb	0.6708	1.6	1329.32
Al 308.215	8498.28b	ppb	137.100	1.6	26478.3
As 188.980	74.7829b	ppb	9.2361	12.4	28.3134
B 249.678	356.709b	ppb	4.4576	1.2	3196.40
Ba 389.178	88.8497b	ppb	0.8994	1.0	1566.73
Be 313.042	86.7114b	ppb	1.1000	1.3	137277
Ca 370.602	12895b	ppb	166.3	1.3	49785
Cd 226.502	82.3518b	ppb	1.1848	1.4	2007.43
Co 228.615	81.5066b	ppb	1.1267	1.4	670.388
Cr 267.716	83.2012b	ppb	0.9122	1.1	1422.14
Cu 324.754	64.0279b	ppb	0.9493	1.5	2431.14
Fe 271.441	8220.98b	ppb	89.0287	1.1	6437.39
K 766.491	9830.25b	ppb	113.625	1.2	1203988
Mg 279.078	7959.75b	ppb	106.090	1.3	10458.4
Mn 257.610	896.306b	ppb	10.8332	1.2	88915.8
Mo 202.032	79.8727b	ppb	1.7702	2.2	302.314
Na 330.237	171527xb	ppb	1266.81	0.7	11220.5
Ni 231.604	190.243b	ppb	2.7909	1.5	594.678
Pb 220.353	80.6629b	ppb	4.0026	5.0	72.1841
Sb 206.834	78.0887b	ppb	7.5487	9.7	56.7531
Se 196.026	80.7322b	ppb	7.0882	8.8	24.8032
Sn 189.925	76.2244b	ppb	4.4247	5.8	50.9888
Sr 216.596	118.816b	ppb	1.1960	1.0	780.829
Ti 334.941	79.2367b	ppb	1.0635	1.3	17207.7

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	15.2456b	ppb	3.8716	25.4	4.9970
V 292.401	79.3455b	ppb	1.1105	1.4	2337.82
Zn 206.200	182.282b	ppb	2.0382	1.1	623.970

680-87709-A-60-A^5 (Samp) **4/17/2013, 7:43:34 AM** **Rack 1, Tube 11**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	27.9624b	ppb	0.1756	0.6	867.716
Al 308.215	8386.07b	ppb	13.1973	0.2	26129.3
As 188.980	79.5669b	ppb	8.1502	10.2	30.2781
B 249.678	347.588b	ppb	1.2315	0.4	3116.50
Ba 389.178	86.0760b	ppb	0.9459	1.1	1518.07
Be 313.042	85.0327b	ppb	0.3098	0.4	134622
Ca 370.602	12647b	ppb	21.02	0.2	48831
Cd 226.502	80.6968b	ppb	0.5459	0.7	1967.75
Co 228.615	80.1721b	ppb	0.5202	0.6	659.344
Cr 267.716	81.6308b	ppb	0.0787	0.1	1395.98
Cu 324.754	53.2359b	ppb	0.0272	0.1	2040.82
Fe 271.441	8025.13b	ppb	34.4996	0.4	6283.91
K 766.491	9664.73b	ppb	14.5462	0.2	1183783
Mg 279.078	7832.78b	ppb	32.0570	0.4	10292.3
Mn 257.610	871.970b	ppb	3.9223	0.4	86506.8
Mo 202.032	77.0420b	ppb	0.7407	1.0	291.762
Na 330.237	167444xb	ppb	689.802	0.4	10953.5
Ni 231.604	183.760b	ppb	0.1572	0.1	574.508
Pb 220.353	79.8699b	ppb	1.2227	1.5	71.4997
Sb 206.834	73.5801b	ppb	7.0931	9.6	53.6662
Se 196.026	76.2280b	ppb	5.8703	7.7	23.6233
Sn 189.925	76.8700b	ppb	4.8790	6.3	51.4090
Sr 216.596	116.834b	ppb	0.9856	0.8	768.010
Ti 334.941	77.3985b	ppb	0.3402	0.4	16808.5
Tl 190.794	17.3239b	ppb	6.8480	39.5	6.0271
V 292.401	77.8558b	ppb	0.3654	0.5	2294.52
Zn 206.200	162.352b	ppb	0.2164	0.1	556.435

680-87709-B-54-A^5 (Samp) **4/17/2013, 7:49:02 AM** **Rack 1, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7086b	ppb	0.0983	13.9	-33.4324
Al 308.215	87.1879b	ppb	2.0690	2.4	327.462
As 188.980	1.9146b	ppb	7.7635	405.5	-1.0503
B 249.678	42.8328b	ppb	0.3737	0.9	450.177
Ba 389.178	0.7806b	ppb	0.9385	120.2	12.4811
Be 313.042	1.0124b	ppb	0.0115	1.1	1706.47
Ca 370.602	354.5b	ppb	0.8788	0.2	1364
Cd 226.502	-0.8624b	ppb	0.2336	27.1	13.6216
Co 228.615	0.6559b	ppb	0.5511	84.0	0.8101
Cr 267.716	-1.5846b	ppb	0.1697	10.7	11.9903
Cu 324.754	9.3567b	ppb	0.0747	0.8	481.416
Fe 271.441	78.2288b	ppb	2.6011	3.3	54.2927
K 766.491	1701.18b	ppb	5.4718	0.3	211670

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	97.5045b	ppb	3.6772	3.8	158.440
Mn 257.610	34.5082b	ppb	0.1099	0.3	3598.01
Mo 202.032	5.9520b	ppb	0.9179	15.4	27.2237
Na 330.237	363595xb	ppb	3234.60	0.9	23785.5
Ni 231.604	106.885b	ppb	0.7914	0.7	334.746
Pb 220.353	-1.0068b	ppb	2.7697	275.1	0.6997
Sb 206.834	3.1367b	ppb	0.5785	18.4	4.6785
Se 196.026	1.4221b	ppb	9.2997	654.0	3.9025
Sn 189.925	-4.8410b	ppb	1.8423	38.1	-1.7654
Sr 216.596	-0.7042b	ppb	0.6044	85.8	-4.5756
Ti 334.941	1.3527b	ppb	0.0108	0.8	266.069
Tl 190.794	-1.2629b	ppb	8.8819	703.3	-2.7299
V 292.401	1.5204b	ppb	0.2119	13.9	62.7271
Zn 206.200	188.714b	ppb	1.1032	0.6	645.600

Cont Calib Verif (CCV) **4/17/2013, 7:54:29 AM** **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	-0.8573	ppb	0.1761	20.5	-38.2418	-0.17147Q
Al 308.215	-19.0212	ppb	0.2042	1.1	-2.9476	-0.38042Q
As 188.980	2.0617	ppb	2.2208	107.7	-0.9574	0.41234Q
B 249.678	-5.8834	ppb	0.6161	10.5	21.3716	-0.23534Q
Ba 389.178	-1.5580	ppb	0.2771	17.8	-28.4468	-0.03116Q
Be 313.042	-0.3145	ppb	0.0036	1.2	-360.354	-0.06290Q
Ca 370.602	-15.79	ppb	0.6729	4.3	-97.02	-0.31585Q
Cd 226.502	-1.0917	ppb	0.1001	9.2	9.1773	-0.21834Q
Co 228.615	-0.3552	ppb	0.3350	94.3	-7.4803	-0.07104Q
Cr 267.716	-1.6772	ppb	0.1218	7.3	8.4079	-0.03354Q
Cu 324.754	-3.3774	ppb	0.2197	6.5	20.4381	-0.06755Q
Fe 271.441	4.2471	ppb	2.3426	55.2	-3.7275	0.08494Q
K 766.491	-19.7117	ppb	0.2637	1.3	1596.26	-0.19712Q
Mg 279.078	-12.1867	ppb	1.3845	11.4	14.6384	-0.24373Q
Mn 257.610	-1.8329	ppb	0.0412	2.2	1.9497	-0.03666Q
Mo 202.032	-1.1345	ppb	0.1666	14.7	0.7528	-0.22689Q
Na 330.237	90.6692	ppb	66.1101	72.9	13.0295	1.20892Q
Ni 231.604	-0.4013	ppb	0.1884	47.0	1.2018	-0.01605Q
Pb 220.353	-2.5901	ppb	1.8910	73.0	-0.6832	-0.51802Q
Sb 206.834	-1.9540	ppb	1.0310	52.8	1.2262	-0.07816Q
Se 196.026	-4.4145	ppb	2.9223	66.2	2.3693	-0.08829Q
Sn 189.925	-3.7460	ppb	0.7455	19.9	-1.1427	-0.07492Q
Sr 216.596	-1.3951	ppb	0.0133	1.0	-4.7420	-0.05580Q
Ti 334.941	-0.2789	ppb	0.0355	12.7	-68.6759	-0.05578Q
Tl 190.794	2.7163	ppb	1.6484	60.7	-0.7654	0.05433Q
V 292.401	-0.6622	ppb	0.0779	11.8	2.7904	-0.01324Q
Zn 206.200	-1.8862	ppb	0.4943	26.2	-0.2122	-0.07545Q

Cont Calib Blank (CCB) **4/17/2013, 7:59:54 AM** **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	0.1988	ppb	0.3048	153.4	-5.1137	0.19877
Al 308.215	-20.5003	ppb	0.4956	2.4	-7.5580	-20.50032

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	2.7910	ppb	4.8147	172.5	-0.6594	2.79096
B 249.678	-6.5847	ppb	0.4709	7.2	15.1993	-6.58473
Ba 389.178	-1.7300	ppb	0.1325	7.7	-31.4305	-1.72998
Be 313.042	-0.3221	ppb	0.0069	2.2	-372.281	-0.32210
Ca 370.602	-15.36	ppb	2.089	13.6	-95.36	-15.36185
Cd 226.502	-1.2270	ppb	0.0347	2.8	5.9679	-1.22695
Co 228.615	-0.4294	ppb	0.0971	22.6	-8.0856	-0.42943
Cr 267.716	-1.6681	ppb	0.1098	6.6	8.5585	-1.66812
Cu 324.754	-3.2823	ppb	0.2726	8.3	23.8760	-3.28225
Fe 271.441	5.1160	ppb	3.6220	70.8	-3.0488	5.11597
K 766.491	-20.0081	ppb	0.3173	1.6	1560.13	-20.00812
Mg 279.078	-14.5449	ppb	2.8362	19.5	11.5377	-14.54489
Mn 257.610	-1.8620	ppb	0.0581	3.1	-0.9233	-1.86201
Mo 202.032	-1.5456	ppb	0.5600	36.2	-0.7839	-1.54562
Na 330.237	87.4524	ppb	81.0649	92.7	12.8189	87.45237
Ni 231.604	-0.7805	ppb	0.3005	38.5	0.0216	-0.78048
Pb 220.353	-1.9003	ppb	1.7656	92.9	-0.0680	-1.90030
Sb 206.834	-0.9486	ppb	1.3140	138.5	1.9112	-0.94855
Se 196.026	-2.8476	ppb	2.3772	83.5	2.7782	-2.84763
Sn 189.925	-2.1205	ppb	1.5509	73.1	-0.0834	-2.12050
Sr 216.596	-1.2567	ppb	0.3213	25.6	-3.8065	-1.25668
Ti 334.941	-0.2919	ppb	0.0432	14.8	-71.4975	-0.29191
Tl 190.794	1.1327	ppb	1.9330	170.7	-1.5424	1.13266
V 292.401	-0.6511	ppb	0.0284	4.4	3.2522	-0.65115
Zn 206.200	-2.1029	ppb	0.0727	3.5	-0.9467	-2.10287

(Samp) **4/17/2013, 8:05:20 AM** **Rack 1, Tube 15**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2328	ppb	0.3902	167.6	-18.6533
Al 308.215	-19.3542	ppb	1.7248	8.9	-3.9975
As 188.980	1.5411	ppb	3.1018	201.3	-1.1702
B 249.678	-6.3466	ppb	0.4870	7.7	17.2830
Ba 389.178	-1.5384	ppb	0.2258	14.7	-28.0978
Be 313.042	-0.3170	ppb	0.0096	3.0	-364.262
Ca 370.602	-15.87	ppb	1.868	11.8	-98.12
Cd 226.502	-1.0895	ppb	0.0278	2.5	9.2370
Co 228.615	-0.4651	ppb	0.1749	37.6	-8.3834
Cr 267.716	-1.5547	ppb	0.0888	5.7	10.4504
Cu 324.754	-3.4438	ppb	0.0208	0.6	18.0299
Fe 271.441	8.4660	ppb	2.7485	32.5	-0.4320
K 766.491	-19.9906	ppb	0.1551	0.8	1562.19
Mg 279.078	-11.9341	ppb	4.6155	38.7	14.9542
Mn 257.610	-1.8738	ppb	0.0101	0.5	-2.0802
Mo 202.032	-1.3560	ppb	0.3220	23.7	-0.0756
Na 330.237	68.4994	ppb	48.2954	70.5	11.5777
Ni 231.604	-0.9093	ppb	0.5888	64.7	-0.3789
Pb 220.353	-1.6742	ppb	2.2486	134.3	0.1327
Sb 206.834	-1.2144	ppb	0.8460	69.7	1.7331
Se 196.026	-3.4660	ppb	2.6286	75.8	2.6167
Sn 189.925	-4.1826	ppb	1.5805	37.8	-1.4272
Sr 216.596	-1.0744	ppb	0.3195	29.7	-2.6049
Ti 334.941	-0.2652	ppb	0.0318	12.0	-65.6994

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.9274	ppb	1.8642	201.0	-1.6439
V 292.401	-0.7711	ppb	0.0510	6.6	-0.3383
Zn 206.200	-1.8819	ppb	0.0544	2.9	-0.1983

(Samp) **4/17/2013, 8:10:45 AM** **Rack 1, Tube 16**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6723	ppb	0.3414	50.8	-32.4379
Al 308.215	-19.2325	ppb	0.7003	3.6	-3.6052
As 188.980	2.2656	ppb	2.2385	98.8	-0.8740
B 249.678	-6.5167	ppb	0.6419	9.8	15.7951
Ba 389.178	-1.6392	ppb	0.4240	25.9	-29.8581
Be 313.042	-0.3107	ppb	0.0046	1.5	-354.225
Ca 370.602	-14.93	ppb	1.343	9.0	-93.77
Cd 226.502	-1.1382	ppb	0.1715	15.1	8.0749
Co 228.615	-0.2849	ppb	0.1178	41.4	-6.8942
Cr 267.716	-1.6947	ppb	0.0792	4.7	8.1134
Cu 324.754	-3.4063	ppb	0.0718	2.1	19.3805
Fe 271.441	5.6719	ppb	3.9536	69.7	-2.6086
K 766.491	-20.3335	ppb	0.1125	0.6	1520.36
Mg 279.078	-13.5217	ppb	2.1217	15.7	12.8796
Mn 257.610	-1.8485	ppb	0.0182	1.0	0.4091
Mo 202.032	-1.2609	ppb	0.3373	26.7	0.2798
Na 330.237	46.1208	ppb	5.6096	12.2	10.1162
Ni 231.604	-1.0681	ppb	0.1494	14.0	-0.8724
Pb 220.353	-0.2032	ppb	1.0145	499.2	1.4426
Sb 206.834	-0.9090	ppb	1.6612	182.7	1.9393
Se 196.026	-4.9021	ppb	2.0231	41.3	2.2420
Sn 189.925	-3.1734	ppb	1.3579	42.8	-0.7695
Sr 216.596	-1.5738	ppb	0.1925	12.2	-5.8863
Ti 334.941	-0.2866	ppb	0.0164	5.7	-70.3496
Tl 190.794	1.4930	ppb	2.2087	147.9	-1.3657
V 292.401	-0.6118	ppb	0.1774	29.0	4.3229
Zn 206.200	-1.6805	ppb	0.0206	1.2	0.4841

(Samp) **4/17/2013, 8:16:11 AM** **Rack 1, Tube 17**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3314	ppb	0.1931	58.3	-21.7477
Al 308.215	-19.1975	ppb	0.2734	1.4	-3.5129
As 188.980	0.4410	ppb	3.9760	901.6	-1.6198
B 249.678	-6.4787	ppb	0.3350	5.2	16.1255
Ba 389.178	-1.7786	ppb	0.4059	22.8	-32.2694
Be 313.042	-0.3192	ppb	0.0081	2.5	-367.705
Ca 370.602	-15.84	ppb	0.4346	2.7	-98.00
Cd 226.502	-1.1661	ppb	0.0751	6.4	7.4204
Co 228.615	-0.4717	ppb	0.3182	67.5	-8.4371
Cr 267.716	-1.6723	ppb	0.2359	14.1	8.4881
Cu 324.754	-3.2683	ppb	0.1225	3.7	24.3867
Fe 271.441	7.8796	ppb	3.8578	49.0	-0.8812
K 766.491	-20.0225	ppb	0.0979	0.5	1558.36

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-13.3157	ppb	1.2990	9.8	13.1379
Mn 257.610	-1.8792	ppb	0.0267	1.4	-2.6228
Mo 202.032	-1.5843	ppb	0.6604	41.7	-0.9288
Na 330.237	97.0993	ppb	82.3829	84.8	13.4482
Ni 231.604	-0.9136	ppb	0.5403	59.1	-0.3907
Pb 220.353	-1.3573	ppb	1.1506	84.8	0.4151
Sb 206.834	-1.0460	ppb	1.0558	100.9	1.8443
Se 196.026	-2.2296	ppb	4.6947	210.6	2.9394
Sn 189.925	-1.5603	ppb	0.1921	12.3	0.2817
Sr 216.596	-1.0773	ppb	0.2686	24.9	-2.6222
Ti 334.941	-0.2861	ppb	0.0493	17.2	-70.2395
Tl 190.794	2.2460	ppb	2.1374	95.2	-0.9960
V 292.401	-0.7666	ppb	0.0538	7.0	-0.1832
Zn 206.200	-1.8773	ppb	0.3244	17.3	-0.1829

(Samp) **4/17/2013, 8:21:38 AM** **Rack 1, Tube 18**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6039	ppb	0.2715	45.0	-30.2925
Al 308.215	-21.1841	ppb	1.6243	7.7	-9.6713
As 188.980	1.3118	ppb	1.1744	89.5	-1.2639
B 249.678	-6.4541	ppb	0.5276	8.2	16.3453
Ba 389.178	-1.0674	ppb	0.1342	12.6	-19.9358
Be 313.042	-0.3174	ppb	0.0053	1.7	-364.777
Ca 370.602	-16.82	ppb	0.5372	3.2	-101.1
Cd 226.502	-1.0994	ppb	0.0501	4.6	8.9938
Co 228.615	-0.4347	ppb	0.2969	68.3	-8.1339
Cr 267.716	-1.8634	ppb	0.1920	10.3	5.2980
Cu 324.754	-3.5077	ppb	0.1352	3.9	15.7140
Fe 271.441	4.9834	ppb	4.0731	81.7	-3.1562
K 766.491	-20.1564	ppb	0.1418	0.7	1541.86
Mg 279.078	-13.6915	ppb	1.5814	11.6	12.6594
Mn 257.610	-1.8370	ppb	0.0395	2.1	1.5425
Mo 202.032	-1.0725	ppb	0.1048	9.8	0.9842
Na 330.237	156.093	ppb	127.213	81.5	17.3079
Ni 231.604	-0.8910	ppb	0.3553	39.9	-0.3213
Pb 220.353	-0.3356	ppb	1.0379	309.3	1.3250
Sb 206.834	-0.2940	ppb	1.2502	425.3	2.3506
Se 196.026	-6.2391	ppb	3.2371	51.9	1.8931
Sn 189.925	-1.5176	ppb	2.8056	184.9	0.3095
Sr 216.596	-1.5493	ppb	0.1963	12.7	-5.7301
Ti 334.941	-0.3024	ppb	0.0172	5.7	-73.7812
Tl 190.794	1.7570	ppb	3.6955	210.3	-1.2362
V 292.401	-0.5317	ppb	0.0966	18.2	6.7257
Zn 206.200	-2.0944	ppb	0.2572	12.3	-0.9175

(Samp) **4/17/2013, 8:27:04 AM** **Rack 1, Tube 19**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2800	ppb	0.2420	86.4	-20.1325
Al 308.215	-19.3720	ppb	0.8287	4.3	-4.0423

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.2207	ppb	3.7619	308.2	-1.3012
B 249.678	-6.7151	ppb	0.1635	2.4	14.0496
Ba 389.178	-1.8499	ppb	0.2918	15.8	-33.5086
Be 313.042	-0.3134	ppb	0.0029	0.9	-358.622
Ca 370.602	-14.45	ppb	1.162	8.0	-91.72
Cd 226.502	-1.1960	ppb	0.1672	14.0	6.7011
Co 228.615	-0.2268	ppb	0.2399	105.8	-6.4127
Cr 267.716	-1.8278	ppb	0.1562	8.5	5.8934
Cu 324.754	-3.4561	ppb	0.1121	3.2	17.5816
Fe 271.441	5.0022	ppb	3.5537	71.0	-3.1351
K 766.491	-20.2940	ppb	0.2254	1.1	1525.23
Mg 279.078	-9.4871	ppb	1.3214	13.9	18.1858
Mn 257.610	-1.8578	ppb	0.0060	0.3	-0.5102
Mo 202.032	-1.4012	ppb	0.2451	17.5	-0.2441
Na 330.237	148.277	ppb	23.6910	16.0	16.7967
Ni 231.604	-0.6748	ppb	0.4011	59.4	0.3497
Pb 220.353	-1.2746	ppb	0.7805	61.2	0.4886
Sb 206.834	-1.5948	ppb	0.9454	59.3	1.4718
Se 196.026	-8.2006	ppb	2.8077	34.2	1.3813
Sn 189.925	-4.2379	ppb	0.7272	17.2	-1.4633
Sr 216.596	-1.4016	ppb	0.3722	26.6	-4.7686
Ti 334.941	-0.3013	ppb	0.0087	2.9	-73.5367
Tl 190.794	-0.0905	ppb	2.2417	2477.2	-2.1432
V 292.401	-0.6470	ppb	0.0495	7.7	3.2992
Zn 206.200	-2.0544	ppb	0.1863	9.1	-0.7821

(Samp) **4/17/2013, 8:32:31 AM** **Rack 1, Tube 20**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2440	ppb	0.3288	134.8	-19.0006
Al 308.215	-19.5322	ppb	0.4302	2.2	-4.5348
As 188.980	0.3407	ppb	0.6198	181.9	-1.6608
B 249.678	-6.5585	ppb	0.6754	10.3	15.4311
Ba 389.178	-1.4563	ppb	0.4545	31.2	-26.6828
Be 313.042	-0.3180	ppb	0.0055	1.7	-365.788
Ca 370.602	-16.30	ppb	2.541	15.6	-99.04
Cd 226.502	-1.1120	ppb	0.0398	3.6	8.6938
Co 228.615	-0.3773	ppb	0.3501	92.8	-7.6593
Cr 267.716	-1.6351	ppb	0.1350	8.3	9.1089
Cu 324.754	-3.3777	ppb	0.1041	3.1	20.4207
Fe 271.441	4.0942	ppb	1.8408	45.0	-3.8425
K 766.491	-20.0700	ppb	0.1208	0.6	1552.49
Mg 279.078	-13.6560	ppb	4.0623	29.7	12.7076
Mn 257.610	-1.8451	ppb	0.0310	1.7	0.7473
Mo 202.032	-1.3166	ppb	0.1129	8.6	0.0717
Na 330.237	116.094	ppb	55.7004	48.0	14.6922
Ni 231.604	-0.8876	ppb	0.3676	41.4	-0.3101
Pb 220.353	-0.2524	ppb	1.7153	679.6	1.3988
Sb 206.834	-1.6372	ppb	0.9737	59.5	1.4416
Se 196.026	-4.2811	ppb	1.4155	33.1	2.4041
Sn 189.925	-3.6874	ppb	1.1795	32.0	-1.1046
Sr 216.596	-1.4228	ppb	0.1822	12.8	-4.9007
Ti 334.941	-0.2946	ppb	0.0167	5.7	-72.1007

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	3.0061	ppb	1.2718	42.3	-0.6225
V 292.401	-0.5283	ppb	0.1529	28.9	6.8094
Zn 206.200	-2.0800	ppb	0.2014	9.7	-0.8686

(Samp) **4/17/2013, 8:37:58 AM** **Rack 1, Tube 21**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3944	ppb	0.3281	83.2	-23.7217
Al 308.215	-19.6509	ppb	1.7990	9.2	-4.9066
As 188.980	0.9151	ppb	1.7946	196.1	-1.4260
B 249.678	-6.9235	ppb	0.1518	2.2	12.2104
Ba 389.178	-1.7172	ppb	0.1058	6.2	-31.2052
Be 313.042	-0.3136	ppb	0.0028	0.9	-358.956
Ca 370.602	-14.50	ppb	0.2628	1.8	-92.47
Cd 226.502	-1.0857	ppb	0.1371	12.6	9.3251
Co 228.615	-0.1998	ppb	0.2942	147.2	-6.1921
Cr 267.716	-1.7398	ppb	0.1481	8.5	7.3613
Cu 324.754	-3.3845	ppb	0.0909	2.7	20.1745
Fe 271.441	7.2324	ppb	0.9943	13.7	-1.3783
K 766.491	-20.2180	ppb	0.1390	0.7	1534.51
Mg 279.078	-12.7828	ppb	0.4290	3.4	13.8422
Mn 257.610	-1.8817	ppb	0.0165	0.9	-2.8752
Mo 202.032	-1.1781	ppb	0.4721	40.1	0.5894
Na 330.237	98.7089	ppb	16.5538	16.8	13.5538
Ni 231.604	-0.7069	ppb	0.2485	35.2	0.2519
Pb 220.353	0.0337	ppb	0.1916	568.1	1.6531
Sb 206.834	-2.3317	ppb	0.9230	39.6	0.9703
Se 196.026	-9.5444	ppb	2.2958	24.1	1.0305
Sn 189.925	-2.9058	ppb	0.8335	28.7	-0.5952
Sr 216.596	-1.4344	ppb	0.1010	7.0	-4.9846
Ti 334.941	-0.2849	ppb	0.0401	14.1	-69.9803
Tl 190.794	2.3240	ppb	1.6919	72.8	-0.9577
V 292.401	-0.6494	ppb	0.1083	16.7	3.1828
Zn 206.200	-1.8791	ppb	0.3692	19.6	-0.1888

(Samp) **4/17/2013, 8:43:26 AM** **Rack 1, Tube 22**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2551	ppb	0.5458	214.0	-19.3499
Al 308.215	-20.6686	ppb	1.1717	5.7	-8.0722
As 188.980	3.0151	ppb	2.5552	84.7	-0.5677
B 249.678	-6.9528	ppb	0.3419	4.9	11.9495
Ba 389.178	-1.1177	ppb	0.5887	52.7	-20.8031
Be 313.042	-0.3246	ppb	0.0034	1.1	-376.291
Ca 370.602	-15.46	ppb	1.172	7.6	-96.11
Cd 226.502	-1.2545	ppb	0.0624	5.0	5.3186
Co 228.615	-0.4287	ppb	0.1563	36.5	-8.0869
Cr 267.716	-1.5401	ppb	0.3227	21.0	10.6943
Cu 324.754	-3.3073	ppb	0.1556	4.7	22.9721
Fe 271.441	6.3744	ppb	1.4135	22.2	-2.0633
K 766.491	-20.1731	ppb	0.3789	1.9	1539.84

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-12.0486	ppb	1.5727	13.1	14.8117
Mn 257.610	-1.8581	ppb	0.0203	1.1	-0.5309
Mo 202.032	-0.8469	ppb	0.3334	39.4	1.8272
Na 330.237	70.0655	ppb	28.5932	40.8	11.6813
Ni 231.604	-0.9650	ppb	0.5216	54.1	-0.5523
Pb 220.353	-0.5854	ppb	1.3153	224.7	1.1021
Sb 206.834	-0.4942	ppb	0.5329	107.8	2.2177
Se 196.026	-2.4275	ppb	5.2627	216.8	2.8878
Sn 189.925	-1.9976	ppb	0.8564	42.9	-0.0033
Sr 216.596	-1.1620	ppb	0.2064	17.8	-3.1859
Ti 334.941	-0.2938	ppb	0.0125	4.2	-71.9012
Tl 190.794	0.1446	ppb	2.3182	1602.9	-2.0281
V 292.401	-0.7123	ppb	0.0897	12.6	1.3320
Zn 206.200	-1.8339	ppb	0.2292	12.5	-0.0358

(Samp) **4/17/2013, 8:48:53 AM** **Rack 1, Tube 23**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4213	ppb	0.1908	45.3	-24.5633
Al 308.215	-18.2137	ppb	1.9859	10.9	-0.4453
As 188.980	0.5686	ppb	1.4536	255.7	-1.5677
B 249.678	-6.7908	ppb	0.4088	6.0	13.3941
Ba 389.178	-1.4643	ppb	0.0748	5.1	-26.8235
Be 313.042	-0.3225	ppb	0.0033	1.0	-372.893
Ca 370.602	-16.76	ppb	0.5833	3.5	-100.4
Cd 226.502	-1.0814	ppb	0.1766	16.3	9.4155
Co 228.615	-0.2960	ppb	0.2347	79.3	-6.9811
Cr 267.716	-1.6173	ppb	0.1347	8.3	9.4078
Cu 324.754	-3.2791	ppb	0.1919	5.9	23.9930
Fe 271.441	1.8098	ppb	1.4147	78.2	-5.6298
K 766.491	-20.3711	ppb	0.2835	1.4	1515.70
Mg 279.078	-11.9129	ppb	1.5506	13.0	15.0077
Mn 257.610	-1.8266	ppb	0.0165	0.9	2.5816
Mo 202.032	-1.4269	ppb	0.2429	17.0	-0.3401
Na 330.237	20.9395	ppb	92.5517	442.0	8.4710
Ni 231.604	-0.7655	ppb	0.1943	25.4	0.0700
Pb 220.353	-0.9197	ppb	0.4469	48.6	0.8051
Sb 206.834	0.1414	ppb	2.2657	1602.8	2.6526
Se 196.026	-7.9450	ppb	2.6394	33.2	1.4480
Sn 189.925	-3.3512	ppb	0.7774	23.2	-0.8854
Sr 216.596	-0.9644	ppb	0.2120	22.0	-1.8886
Ti 334.941	-0.3139	ppb	0.0218	7.0	-76.2636
Tl 190.794	2.7685	ppb	1.6261	58.7	-0.7388
V 292.401	-0.5773	ppb	0.0373	6.5	5.4239
Zn 206.200	-1.7475	ppb	0.4179	23.9	0.2571

(Samp) **4/17/2013, 8:54:21 AM** **Rack 1, Tube 24**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0368	ppb	0.2999	815.9	-12.5012
Al 308.215	-18.9907	ppb	0.9550	5.0	-2.8694

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.0414	ppb	3.2162	308.8	-1.3746
B 249.678	-6.8986	ppb	0.4330	6.3	12.4426
Ba 389.178	-1.3972	ppb	0.2597	18.6	-25.6594
Be 313.042	-0.3151	ppb	0.0033	1.0	-361.219
Ca 370.602	-16.01	ppb	1.553	9.7	-97.67
Cd 226.502	-1.0610	ppb	0.0520	4.9	9.9020
Co 228.615	-0.2678	ppb	0.1157	43.2	-6.7462
Cr 267.716	-1.6501	ppb	0.1564	9.5	8.8605
Cu 324.754	-3.5249	ppb	0.1386	3.9	15.0908
Fe 271.441	3.7172	ppb	2.0213	54.4	-4.1348
K 766.491	-20.4213	ppb	0.2602	1.3	1509.59
Mg 279.078	-12.7655	ppb	1.4927	11.7	13.8820
Mn 257.610	-1.8653	ppb	0.0159	0.9	-1.2556
Mo 202.032	-1.5043	ppb	0.3747	24.9	-0.6290
Na 330.237	81.6064	ppb	31.2148	38.3	12.4377
Ni 231.604	-0.5318	ppb	0.1743	32.8	0.7975
Pb 220.353	-2.2732	ppb	1.2171	53.5	-0.3998
Sb 206.834	-1.2667	ppb	2.3000	181.6	1.6974
Se 196.026	-5.7014	ppb	2.7036	47.4	2.0335
Sn 189.925	-4.9729	ppb	1.1994	24.1	-1.9423
Sr 216.596	-1.3994	ppb	0.3387	24.2	-4.7547
Ti 334.941	-0.2944	ppb	0.0649	22.0	-72.0584
Tl 190.794	5.2457	ppb	2.1100	40.2	0.4774
V 292.401	-0.7244	ppb	0.0652	9.0	1.1016
Zn 206.200	-1.8395	ppb	0.1003	5.5	-0.0537

Cont Calib Verif (CCV) **4/17/2013, 8:59:48 AM** **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	-0.0491	ppb	0.2293	466.9	-12.8893	-0.00982Q
Al 308.215	-21.2480	ppb	1.8700	8.8	-9.8707	-0.42496Q
As 188.980	-0.7027	ppb	0.8095	115.2	-2.0871	-0.14053Q
B 249.678	-6.3433	ppb	0.3157	5.0	17.3207	-0.25373Q
Ba 389.178	-1.4724	ppb	0.4116	28.0	-26.9568	-0.02945Q
Be 313.042	-0.3149	ppb	0.0049	1.6	-361.015	-0.06299Q
Ca 370.602	-15.09	ppb	0.9982	6.6	-94.45	-0.30186Q
Cd 226.502	-1.2457	ppb	0.0932	7.5	5.5252	-0.24914Q
Co 228.615	-0.3051	ppb	0.1672	54.8	-7.0641	-0.06102Q
Cr 267.716	-1.6495	ppb	0.0275	1.7	8.8690	-0.03299Q
Cu 324.754	-3.4430	ppb	0.1166	3.4	18.0558	-0.06886Q
Fe 271.441	5.7253	ppb	5.9178	103.4	-2.5687	0.11451Q
K 766.491	-20.5298	ppb	0.1104	0.5	1496.37	-0.20530Q
Mg 279.078	-11.0594	ppb	0.8815	8.0	16.1156	-0.22119Q
Mn 257.610	-1.8587	ppb	0.0144	0.8	-0.5917	-0.03717Q
Mo 202.032	-1.1753	ppb	0.0911	7.8	0.5998	-0.23507Q
Na 330.237	43.1136	ppb	44.6837	103.6	9.9190	0.57485Q
Ni 231.604	-1.1172	ppb	0.4112	36.8	-1.0232	-0.04469Q
Pb 220.353	-0.6099	ppb	2.2327	366.1	1.0800	-0.12197Q
Sb 206.834	-0.9476	ppb	1.6779	177.1	1.9127	-0.03790Q
Se 196.026	-9.2398	ppb	4.1206	44.6	1.1101	-0.18480Q
Sn 189.925	-2.7307	ppb	0.7111	26.0	-0.4811	-0.05461Q
Sr 216.596	-1.5247	ppb	0.3625	23.8	-5.5634	-0.06099Q
Ti 334.941	-0.2993	ppb	0.0245	8.2	-73.0811	-0.05985Q

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	2.7320	ppb	1.1461	42.0	-0.7577	0.05464Q
V 292.401	-0.6699	ppb	0.0318	4.7	2.5666	-0.01340Q
Zn 206.200	-2.0291	ppb	0.1993	9.8	-0.6973	-0.08116Q

Cont Calib Blank (CCB) **4/17/2013, 9:05:13 AM** **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	-0.0220	ppb	0.6449	2925.5	-12.0402	-0.02204
Al 308.215	-20.2466	ppb	0.9497	4.7	-6.7714	-20.24664
As 188.980	-0.5403	ppb	2.8887	534.7	-2.0208	-0.54027
B 249.678	-6.9660	ppb	0.4543	6.5	11.8418	-6.96596
Ba 389.178	-1.5502	ppb	0.4886	31.5	-28.3103	-1.55018
Be 313.042	-0.3174	ppb	0.0049	1.6	-365.001	-0.31741
Ca 370.602	-14.93	ppb	2.637	17.7	-93.77	-14.93378
Cd 226.502	-1.0936	ppb	0.0777	7.1	9.1326	-1.09363
Co 228.615	-0.3759	ppb	0.3068	81.6	-7.6482	-0.37594
Cr 267.716	-1.7023	ppb	0.0921	5.4	7.9898	-1.70225
Cu 324.754	-3.4556	ppb	0.1293	3.7	17.6002	-3.45559
Fe 271.441	5.3746	ppb	2.4507	45.6	-2.8390	5.37462
K 766.491	-20.2027	ppb	0.0607	0.3	1536.34	-20.20272
Mg 279.078	-11.6794	ppb	1.3086	11.2	15.3017	-11.67941
Mn 257.610	-1.8707	ppb	0.0486	2.6	-1.7846	-1.87069
Mo 202.032	-1.3091	ppb	0.0594	4.5	0.1002	-1.30913
Na 330.237	97.1541	ppb	46.8530	48.2	13.4540	97.15413
Ni 231.604	-1.1301	ppb	0.0594	5.3	-1.0642	-1.13006
Pb 220.353	-1.4217	ppb	0.6800	47.8	0.3577	-1.42171
Sb 206.834	-1.2154	ppb	1.1643	95.8	1.7303	-1.21543
Se 196.026	-9.3449	ppb	5.3580	57.3	1.0826	-9.34492
Sn 189.925	-2.5135	ppb	0.2466	9.8	-0.3395	-2.51352
Sr 216.596	-1.0585	ppb	0.0327	3.1	-2.4953	-1.05854
Ti 334.941	-0.3355	ppb	0.0295	8.8	-80.9609	-0.33551
Tl 190.794	2.0069	ppb	2.9029	144.6	-1.1134	2.00693
V 292.401	-0.8166	ppb	0.0209	2.6	-1.7056	-0.81656
Zn 206.200	-1.6903	ppb	0.1361	8.0	0.4508	-1.69032

(Samp) **4/17/2013, 9:10:39 AM** **Rack 1, Tube 27**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3543	ppb	0.1571	44.3	-22.4611
Al 308.215	-19.6438	ppb	1.8245	9.3	-4.8936
As 188.980	-1.0664	ppb	1.7141	160.7	-2.2359
B 249.678	-6.7537	ppb	0.1051	1.6	13.7176
Ba 389.178	-1.7439	ppb	0.5985	34.3	-31.6749
Be 313.042	-0.3176	ppb	0.0018	0.6	-365.085
Ca 370.602	-16.40	ppb	1.139	6.9	-99.33
Cd 226.502	-1.1333	ppb	0.0722	6.4	8.1888
Co 228.615	-0.2265	ppb	0.1770	78.2	-6.4046
Cr 267.716	-1.7345	ppb	0.1932	11.1	7.4515
Cu 324.754	-3.3844	ppb	0.0283	0.8	20.1778
Fe 271.441	4.6360	ppb	4.7298	102.0	-3.4141
K 766.491	-20.2028	ppb	0.0952	0.5	1536.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-11.7206	ppb	2.5327	21.6	15.2529
Mn 257.610	-1.8267	ppb	0.0355	1.9	2.5675
Mo 202.032	-1.7139	ppb	0.2506	14.6	-1.4126
Na 330.237	138.812	ppb	38.7559	27.9	16.1781
Ni 231.604	-0.9474	ppb	0.3626	38.3	-0.4964
Pb 220.353	-1.1233	ppb	1.3676	121.7	0.6238
Sb 206.834	-1.1235	ppb	1.6009	142.5	1.7917
Se 196.026	-5.9623	ppb	4.0534	68.0	1.9654
Sn 189.925	-3.1358	ppb	0.9037	28.8	-0.7451
Sr 216.596	-1.2523	ppb	0.1793	14.3	-3.7710
Ti 334.941	-0.2822	ppb	0.0208	7.4	-69.3924
Tl 190.794	2.7390	ppb	1.8155	66.3	-0.7532
V 292.401	-0.6156	ppb	0.0536	8.7	4.3076
Zn 206.200	-2.0031	ppb	0.1184	5.9	-0.6084

(Samp) **4/17/2013, 9:16:05 AM** **Rack 1, Tube 28**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4199	ppb	0.1083	25.8	-24.5215
Al 308.215	-20.0156	ppb	1.2771	6.4	-6.0467
As 188.980	1.9687	ppb	4.4153	224.3	-0.9954
B 249.678	-7.1322	ppb	0.2145	3.0	10.3786
Ba 389.178	-1.7451	ppb	0.3084	17.7	-31.6944
Be 313.042	-0.3121	ppb	0.0062	2.0	-356.559
Ca 370.602	-15.50	ppb	1.248	8.1	-95.77
Cd 226.502	-1.1672	ppb	0.0441	3.8	7.3846
Co 228.615	-0.3293	ppb	0.0827	25.1	-7.2589
Cr 267.716	-1.6216	ppb	0.3546	21.9	9.3346
Cu 324.754	-3.3078	ppb	0.0607	1.8	22.9501
Fe 271.441	4.1540	ppb	2.9585	71.2	-3.8017
K 766.491	-20.4462	ppb	0.1699	0.8	1506.64
Mg 279.078	-14.6676	ppb	2.1015	14.3	11.3789
Mn 257.610	-1.8111	ppb	0.0116	0.6	4.1089
Mo 202.032	-1.2686	ppb	0.3283	25.9	0.2513
Na 330.237	23.6359	ppb	73.3097	310.2	8.6459
Ni 231.604	-0.9962	ppb	0.4541	45.6	-0.6469
Pb 220.353	1.4325	ppb	1.4164	98.9	2.8991
Sb 206.834	-1.8378	ppb	1.7021	92.6	1.3081
Se 196.026	-7.8588	ppb	5.2155	66.4	1.4705
Sn 189.925	-2.5885	ppb	1.9737	76.2	-0.3884
Sr 216.596	-1.2826	ppb	0.1998	15.6	-3.9719
Ti 334.941	-0.2760	ppb	0.0190	6.9	-68.0334
Tl 190.794	3.9183	ppb	2.4178	61.7	-0.1749
V 292.401	-0.6530	ppb	0.1614	24.7	3.1509
Zn 206.200	-1.8994	ppb	0.2785	14.7	-0.2575

(Samp) **4/17/2013, 9:21:31 AM** **Rack 1, Tube 29**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5598	ppb	0.0635	11.3	-28.9093
Al 308.215	-20.3685	ppb	1.8118	8.9	-7.1527

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.4865	ppb	2.5521	524.6	-1.6014
B 249.678	-6.6538	ppb	0.3947	5.9	14.5882
Ba 389.178	-1.8428	ppb	0.3899	21.2	-33.3888
Be 313.042	-0.3098	ppb	0.0086	2.8	-352.902
Ca 370.602	-14.50	ppb	0.9343	6.4	-91.84
Cd 226.502	-1.2237	ppb	0.0458	3.7	6.0441
Co 228.615	-0.4694	ppb	0.2131	45.4	-8.4170
Cr 267.716	-1.8349	ppb	0.2108	11.5	5.7760
Cu 324.754	-3.5071	ppb	0.1499	4.3	15.7328
Fe 271.441	5.1604	ppb	2.8507	55.2	-3.0229
K 766.491	-20.3944	ppb	0.5487	2.7	1512.99
Mg 279.078	-10.9740	ppb	0.8430	7.7	16.2331
Mn 257.610	-1.8732	ppb	0.0341	1.8	-2.0345
Mo 202.032	-1.2392	ppb	0.2525	20.4	0.3614
Na 330.237	49.9051	ppb	88.0118	176.4	10.3642
Ni 231.604	-0.6295	ppb	0.2216	35.2	0.4925
Pb 220.353	-2.3514	ppb	0.8012	34.1	-0.4695
Sb 206.834	-1.4949	ppb	1.3858	92.7	1.5372
Se 196.026	-5.0552	ppb	9.3631	185.2	2.2021
Sn 189.925	-2.0023	ppb	1.4866	74.2	-0.0064
Sr 216.596	-1.2727	ppb	0.0860	6.8	-3.9181
Ti 334.941	-0.2921	ppb	0.0149	5.1	-71.5471
Tl 190.794	3.1028	ppb	1.9408	62.5	-0.5755
V 292.401	-0.7424	ppb	0.1869	25.2	0.5599
Zn 206.200	-1.6856	ppb	0.1608	9.5	0.4677

(Samp) **4/17/2013, 9:26:57 AM** **Rack 1, Tube 30**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2266	ppb	0.1948	86.0	-18.4572
Al 308.215	-19.5457	ppb	0.4870	2.5	-4.5845
As 188.980	1.4189	ppb	1.8024	127.0	-1.2201
B 249.678	-6.6346	ppb	0.0799	1.2	14.7530
Ba 389.178	-1.6164	ppb	0.2913	18.0	-29.4630
Be 313.042	-0.3203	ppb	0.0017	0.5	-369.441
Ca 370.602	-15.54	ppb	0.1894	1.2	-96.29
Cd 226.502	-1.0417	ppb	0.0385	3.7	10.3649
Co 228.615	-0.5827	ppb	0.1914	32.8	-9.3608
Cr 267.716	-1.6181	ppb	0.2123	13.1	9.3926
Cu 324.754	-3.3155	ppb	0.1314	4.0	22.6756
Fe 271.441	4.8529	ppb	3.3659	69.4	-3.2592
K 766.491	-20.0216	ppb	0.1076	0.5	1558.46
Mg 279.078	-12.9582	ppb	0.9576	7.4	13.6188
Mn 257.610	-1.8558	ppb	0.0189	1.0	-0.3113
Mo 202.032	-1.1488	ppb	0.2277	19.8	0.6990
Na 330.237	98.7145	ppb	35.4441	35.9	13.5548
Ni 231.604	-0.8106	ppb	0.2476	30.6	-0.0696
Pb 220.353	-2.1431	ppb	0.3349	15.6	-0.2847
Sb 206.834	-0.6366	ppb	2.8160	442.3	2.1235
Se 196.026	-8.2423	ppb	3.4998	42.5	1.3703
Sn 189.925	-3.7855	ppb	1.8029	47.6	-1.1685
Sr 216.596	-1.2972	ppb	0.2820	21.7	-4.0765
Ti 334.941	-0.2914	ppb	0.0493	16.9	-71.3827

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	4.5450	ppb	3.3926	74.6	0.1324
V 292.401	-0.6753	ppb	0.1586	23.5	2.4539
Zn 206.200	-2.1327	ppb	0.1682	7.9	-1.0480

(Samp) **4/17/2013, 9:32:23 AM** **Rack 1, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5040	ppb	0.4836	95.9	-27.1611
Al 308.215	-20.5408	ppb	1.0183	5.0	-7.6770
As 188.980	-0.8089	ppb	1.4989	185.3	-2.1307
B 249.678	-6.8459	ppb	0.2106	3.1	12.8913
Ba 389.178	-1.3639	ppb	0.4474	32.8	-25.0789
Be 313.042	-0.3174	ppb	0.0104	3.3	-364.812
Ca 370.602	-16.30	ppb	1.978	12.1	-99.72
Cd 226.502	-1.1476	ppb	0.1013	8.8	7.8570
Co 228.615	-0.3865	ppb	0.0696	18.0	-7.7321
Cr 267.716	-1.3860	ppb	0.0857	6.2	13.2655
Cu 324.754	-3.2699	ppb	0.2498	7.6	24.3270
Fe 271.441	8.2767	ppb	6.2858	75.9	-0.5709
K 766.491	-20.0672	ppb	0.9270	4.6	1552.82
Mg 279.078	-14.2913	ppb	0.4099	2.9	11.8581
Mn 257.610	-1.8709	ppb	0.0480	2.6	-1.8019
Mo 202.032	-1.3903	ppb	0.8393	60.4	-0.2041
Na 330.237	157.317	ppb	30.8733	19.6	17.3864
Ni 231.604	-0.6936	ppb	1.0989	158.4	0.2923
Pb 220.353	-0.9371	ppb	1.3589	145.0	0.7893
Sb 206.834	-0.9819	ppb	1.1152	113.6	1.8871
Se 196.026	-9.6628	ppb	5.5381	57.3	0.9996
Sn 189.925	-1.3786	ppb	1.1958	86.7	0.4001
Sr 216.596	-1.1306	ppb	0.5638	49.9	-2.9819
Ti 334.941	-0.2805	ppb	0.0396	14.1	-69.0103
Tl 190.794	1.3194	ppb	1.5480	117.3	-1.4509
V 292.401	-0.5857	ppb	0.0942	16.1	5.1412
Zn 206.200	-1.9726	ppb	0.1483	7.5	-0.5057

(Samp) **4/17/2013, 9:37:50 AM** **Rack 1, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0867	ppb	0.0440	50.8	-14.0677
Al 308.215	-18.9038	ppb	0.5929	3.1	-2.5978
As 188.980	1.0518	ppb	4.0606	386.1	-1.3702
B 249.678	-6.6100	ppb	0.2612	4.0	14.9648
Ba 389.178	-1.7509	ppb	0.4379	25.0	-31.7915
Be 313.042	-0.3178	ppb	0.0077	2.4	-365.603
Ca 370.602	-15.03	ppb	0.0971	0.6	-94.42
Cd 226.502	-1.0069	ppb	0.0415	4.1	11.1934
Co 228.615	-0.6768	ppb	0.0798	11.8	-10.1388
Cr 267.716	-1.6492	ppb	0.1771	10.7	8.8733
Cu 324.754	-3.3314	ppb	0.1340	4.0	22.0988
Fe 271.441	5.8564	ppb	0.9660	16.5	-2.4821
K 766.491	-20.5255	ppb	0.3237	1.6	1496.98

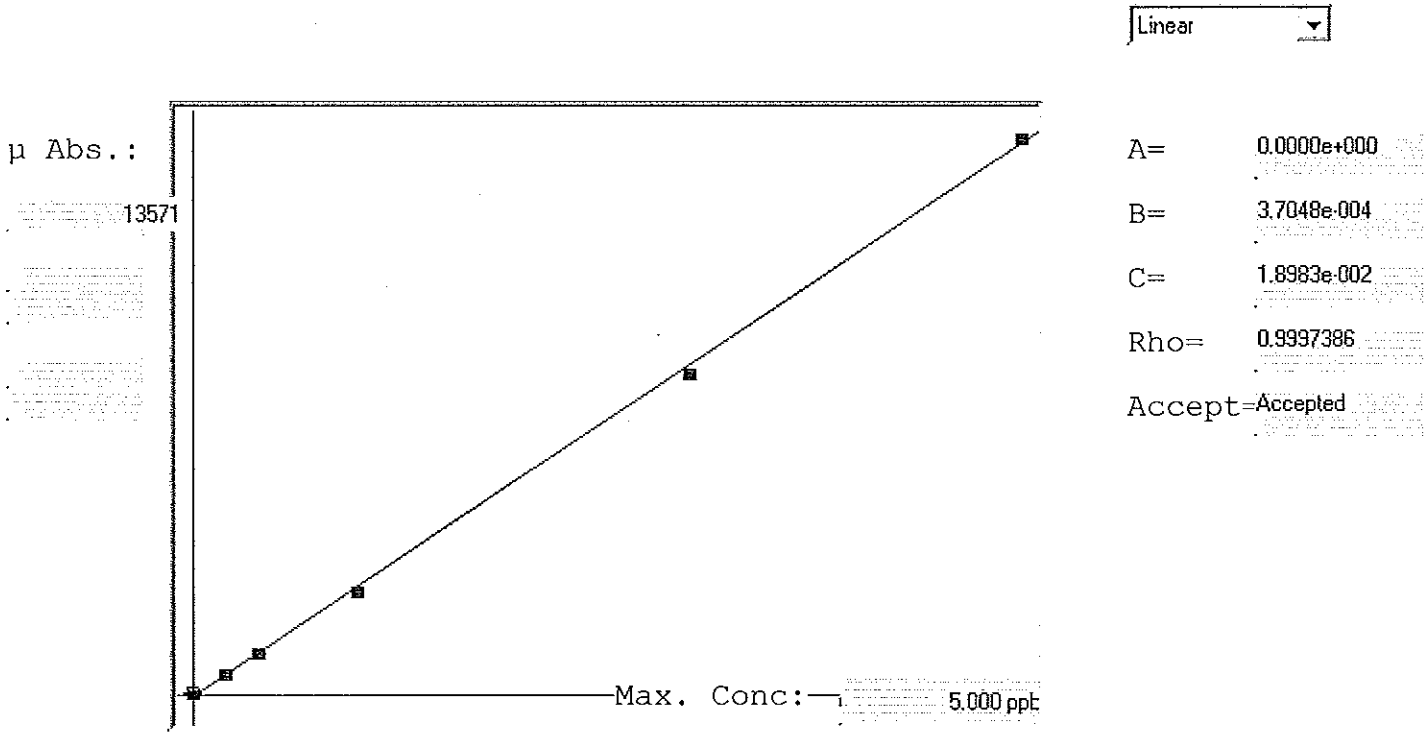
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	-11.7327	ppb	0.7092	6.0	15.2262
Mn 257.610	-1.8485	ppb	0.0273	1.5	0.4176
Mo 202.032	-1.2384	ppb	0.2113	17.1	0.3642
Na 330.237	32.8311	ppb	92.5759	282.0	9.2456
Ni 231.604	-0.8640	ppb	0.8867	102.6	-0.2374
Pb 220.353	0.4140	ppb	3.7335	901.7	1.9921
Sb 206.834	-1.6511	ppb	0.8896	53.9	1.4316
Se 196.026	-4.3427	ppb	2.5325	58.3	2.3880
Sn 189.925	-1.3148	ppb	1.3124	99.8	0.4417
Sr 216.596	-1.2917	ppb	0.1395	10.8	-4.0366
Ti 334.941	-0.2342	ppb	0.0925	39.5	-58.9532
Tl 190.794	1.9929	ppb	1.2564	63.0	-1.1210
V 292.401	-0.8080	ppb	0.1028	12.7	-1.4410
Zn 206.200	-1.9531	ppb	0.1297	6.6	-0.4396

(Samp) **4/17/2013, 9:43:18 AM** **Rack 1, Tube 33**

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0724	ppb	0.2787	384.9	-13.6205
Al 308.215	-17.7259	ppb	1.1547	6.5	1.0654
As 188.980	5.8147	ppb	2.0993	36.1	0.5766
B 249.678	-6.9195	ppb	0.4569	6.6	12.2502
Ba 389.178	-1.2749	ppb	0.1038	8.1	-23.5346
Be 313.042	-0.3153	ppb	0.0096	3.0	-361.638
Ca 370.602	-15.23	ppb	0.3763	2.5	-95.22
Cd 226.502	-1.1815	ppb	0.0418	3.5	7.0514
Co 228.615	-0.2629	ppb	0.1298	49.4	-6.7083
Cr 267.716	-1.7014	ppb	0.1266	7.4	8.0030
Cu 324.754	-3.3386	ppb	0.1098	3.3	21.8328
Fe 271.441	6.5159	ppb	2.7526	42.2	-1.9413
K 766.491	-20.5088	ppb	0.1837	0.9	1498.92
Mg 279.078	-11.9114	ppb	2.7612	23.2	14.9910
Mn 257.610	-1.8723	ppb	0.0319	1.7	-1.9404
Mo 202.032	-1.1452	ppb	0.3119	27.2	0.7125
Na 330.237	84.2610	ppb	51.5061	61.1	12.6093
Ni 231.604	-1.5078	ppb	0.4006	26.6	-2.2374
Pb 220.353	-2.2132	ppb	1.0940	49.4	-0.3466
Sb 206.834	-1.8951	ppb	2.2480	118.6	1.2694
Se 196.026	-5.7362	ppb	3.5783	62.4	2.0243
Sn 189.925	-4.0003	ppb	1.5683	39.2	-1.3085
Sr 216.596	-1.2909	ppb	0.1214	9.4	-4.0035
Ti 334.941	-0.2857	ppb	0.0235	8.2	-70.1491
Tl 190.794	3.8316	ppb	2.3134	60.4	-0.2172
V 292.401	-0.7284	ppb	0.1295	17.8	0.9426
Zn 206.200	-1.9748	ppb	0.2691	13.6	-0.5125

Hg Norm2



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	0.037	0.037	49	0.943	48	50	50		
0.2	0.200	0.219	0.019	538	0.3 %	537	538	541		
0.4	0.400	0.406	0.006	1044	0.1 %	1045	1043	1045		
1.0	1.000	0.962	-0.038	2546	0.9 %	2519	2547	2573		
3.0	3.000	2.929	-0.071	7855	0.6 %	7796	7861	7909		
5.0	5.000	5.047	0.047	13570	1.6 %	13281	13638	13793		

C04122013

Method: Hg Norm2 Operator: Admin Date of Analysis: 12 Apr 2013 13:59:07

Sample ID	Extended ID	Mean	RSD	Date
blank		49	1.9111	12 Apr 2013 14:02:54
0.2		539	0.3155	12 Apr 2013 14:05:21
0.4		1044	0.0903	12 Apr 2013 14:07:49
1.0		2546	0.8660	12 Apr 2013 14:10:17
3.0		7855	0.5895	12 Apr 2013 14:12:44
5.0		13571	1.5797	12 Apr 2013 14:15:10
ICV		3.1044	0.8042	12 Apr 2013 14:17:36
ICB		0.0238	1.2711	12 Apr 2013 14:20:02
CRA		0.2258	0.6187	12 Apr 2013 14:22:28
CCV		2.5579	0.5314	12 Apr 2013 14:24:55
CCB		0.0264	1.9852	12 Apr 2013 14:27:22
mb 680-272685/1-a	(BCB)	0.0394	2.3057	12 Apr 2013 14:29:47
lcs 680-272685/2-a	(BCB)	2.6187	1.0834	12 Apr 2013 14:32:13
640-43051-a-1-a	(BCB)	1.1527	0.4576	12 Apr 2013 14:34:39
660-53661-a-1-b	(BCB)	0.4969	0.3653	12 Apr 2013 14:37:05
660-53661-a-2-b	(BCB)	1.2780	1.1485	12 Apr 2013 14:39:31
680-89134-c-1-a	(BCB)	0.3033	0.2510	12 Apr 2013 14:41:58
680-89175-c-1-a	(BCB)	1.1464	0.7652	12 Apr 2013 14:44:23
680-89175-a-2-a	(BCB)	3.2276	0.7926	12 Apr 2013 14:46:49
680-89175-a-2-b ms	(BCB)	6.3794	0.7445	12 Apr 2013 14:49:15
680-89175-a-2-c msd	(BCB)	4.3152	0.0636	12 Apr 2013 14:51:42
CCV		2.6062	0.2825	12 Apr 2013 14:54:09
CCB		0.0218	2.8855	12 Apr 2013 14:56:36
680-89175-a-4-a	(BCB)	0.3662	0.3338	12 Apr 2013 14:59:02
680-89175-b-6-a	(BCB)	0.4289	1.4818	12 Apr 2013 15:01:29
680-89175-d-7-a	(BCB)	9.3747	0.4966	12 Apr 2013 15:03:57
mb 680-272776/1-a	(BCB)	0.0338	0.8949	12 Apr 2013 15:06:23
lcs 680-272776/2-a	(BCB)	2.6792	0.5606	12 Apr 2013 15:08:52
680-89220-b-9-a	(BCB)	2.5611	0.1065	12 Apr 2013 15:11:19
680-89220-b-9-b ms	(BCB)	3.7037	0.6265	12 Apr 2013 15:13:46
680-89220-b-9-c msd	(BCB)	3.2666	0.2408	12 Apr 2013 15:16:14
680-89220-b-16-a	(BCB)	3.3984	0.6278	12 Apr 2013 15:18:41
680-89220-b-17-a	(BCB)	2.0263	0.2765	12 Apr 2013 15:21:07
CCV		2.5076	0.3640	12 Apr 2013 15:23:35
CCB		0.0255	0.6841	12 Apr 2013 15:26:01
680-89220-b-42-a	(BCB)	1.3333	0.8234	12 Apr 2013 15:28:26
680-89220-a-45-a	(BCB)	2.7454	0.5792	12 Apr 2013 15:30:53
680-89220-a-46-a	(BCB)	1.3829	0.7579	12 Apr 2013 15:33:22
680-89220-a-47-a	(BCB)	4.0697	0.7087	12 Apr 2013 15:35:48
680-89220-a-48-a	(BCB)	2.2712	0.7500	12 Apr 2013 15:38:18
680-89228-m-18-a	(BCB)	0.4019	0.4598	12 Apr 2013 15:40:44
680-89228-b-19-a	(BCB)	0.0978	0.4726	12 Apr 2013 15:43:13
680-89228-b-20-a	(BCB)	0.0523	2.8905	12 Apr 2013 15:45:40
680-89243-a-1-a	(BCB)	0.6933	0.9287	12 Apr 2013 15:48:08
680-89243-b-3-a	(BCB)	0.4581	0.2319	12 Apr 2013 15:50:34
CCV		2.5473	0.4988	12 Apr 2013 15:53:00
CCB		0.0243	3.1337	12 Apr 2013 15:55:27
680-89243-b-5-a	(BCB)	0.3870	0.3856	12 Apr 2013 15:57:53
CCV		2.5159	0.3311	12 Apr 2013 16:00:21
CCB		0.0264	1.1462	12 Apr 2013 16:02:48
680-89175-a-2-a	^2 (BCB)	1.7848	0.2119	12 Apr 2013 16:08:29
680-89175-a-2-b ms	^2 (BCB)	3.2934	0.5602	12 Apr 2013 16:10:56
680-89175-a-2-c msd	^2 (BCB)	2.3369	0.6833	12 Apr 2013 16:13:22
680-89175-d-7-a	^5 (BCB)	1.9487	0.8150	12 Apr 2013 16:15:47
CCV		2.5831	0.5571	12 Apr 2013 16:18:13
CCB		0.0232	0.7534	12 Apr 2013 16:20:39

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-89220-4

SDG No.: 68089220-4

Batch Number: 272808 Batch Start Date: 04/12/13 08:57 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date:

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 680-272808/1		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL			
LCS 680-272808/3		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL	2 mL		
680-89220-B-9	CV0637D-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.11 g	100 mL			
680-89220-B-9 MS	CV0637D-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.10 g	100 mL		1 mL	1 mL
680-89220-B-9 MSD	CV0637D-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	100 mL		1 mL	1 mL
680-89220-B-16	CV1100A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	100 mL			
680-89220-B-17	CV1099A-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-89220-B-42	HP0283A-CS-SP	3050B, 6010C	T	CALC NOT SET TO RUN	1.18 g	100 mL			
680-89220-A-45	CV0637D-CS-SP (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.10 g	100 mL			
680-89220-A-46	HP0283A-CS-SP (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	100 mL			
680-89220-A-47	CV110A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	100 mL			
680-89220-A-48	CV1099A-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			

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.: 680-89220-4

SDG No.: 68089220-4

Batch Number: 272808 Batch Start Date: 04/12/13 08:57 Batch Analyst: Lawhon, Jon

Batch Method: 3050B Batch End Date:

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	94 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.: 680-89220-4

SDG No.: 68089220-4

Batch Number: 272685 Batch Start Date: 04/11/13 10:09 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: 04/11/13 12:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00085	Hg_Int_Cal 00091	AnalysisComment	
CCV 680-272685/21		7471A, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-272685/22		7471A, 7471B		50 mL	50 mL				
ICV 680-272685/24		7471A, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-272685/25		7471A, 7471B		50 mL	50 mL				
CRA 680-272685/26		7471A, 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.: 680-89220-4

SDG No.: 68089220-4

Batch Number: 272685 Batch Start Date: 04/11/13 10:09 Batch Analyst: Umbehr, Uli

Batch Method: 7471A Batch End Date: 04/11/13 12:07

Batch Notes	
Hydroxylamine Sulfate Lot Number	3046698
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	3038841
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	04/05/13
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

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.: 680-89220-4

SDG No.: 68089220-4

Batch Number: 272776 Batch Start Date: 04/11/13 16:29 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/11/13 18:22

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_Int_Cal 00091			
MB 680-272776/1		7471B, 7471B		0.50 g	50 mL				
LCS 680-272776/2		7471B, 7471B		0.57 g	50 mL	0.25 mL			
680-89220-B-9	CV0637D-CS-SP	7471B, 7471B	T	0.58 g	50 mL				
680-89220-B-9 MS	CV0637D-CS-SP	7471B, 7471B	T	0.54 g	50 mL	0.1 mL			
680-89220-B-9 MSD	CV0637D-CS-SP	7471B, 7471B	T	0.52 g	50 mL	0.1 mL			
680-89220-B-16	CV1100A-CS	7471B, 7471B	T	0.55 g	50 mL				
680-89220-B-17	CV1099A-CS	7471B, 7471B	T	0.51 g	50 mL				
680-89220-B-42	HP0283A-CS-SP	7471B, 7471B	T	0.55 g	50 mL				
680-89220-A-45	CV0637D-CS-SP (sieve)	7471B, 7471B	T	0.56 g	50 mL				
680-89220-A-46	HP0283A-CS-SP (sieve)	7471B, 7471B	T	0.58 g	50 mL				
680-89220-A-47	CV110A-CS (sieve)	7471B, 7471B	T	0.54 g	50 mL				
680-89220-A-48	CV1099A-CS (sieve)	7471B, 7471B	T	0.56 g	50 mL				

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.: 680-89220-4

SDG No.: 68089220-4

Batch Number: 272776 Batch Start Date: 04/11/13 16:29 Batch Analyst: Umbehr, Uli

Batch Method: 7471B Batch End Date: 04/11/13 18:22

Batch Notes	
Hydroxylamine Sulfate Lot Number	3046698
Hydroxylamine Hydrochloride Lot	3046705
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	3038841
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	04/05/13
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 63551

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	200515S-1356	AL

(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 1 OF 4

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, ...)	REQUIRED ANALYSIS: 16 PAH	RCRA 8 metals	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
4-8-13	1340	CV Ø583A-CS	X		C			X			X	
	1340	CV Ø583A-CSD	X		C			X			X	
	1350	CV Ø583B-CS	X		C			X			X	
	1425	CV Ø722A-CS	X		C			X			X	
	1435	CV Ø722B-CS	X		C			X			X	
	1530	CV Ø637A-CS-SP	X		C			X			X	
	1545	CV Ø637B-CS-SP	X		C			X			X	
	1536	CV Ø637C-CS-SP	X		C			X			X	
	1520	CV Ø637D-CS-SP	X		C			X	X		X	
	1325	FM Ø114A-CS-SP	X		C			X			X	
	1333	FM Ø114B-CS-SP	X		C			X			X	
	1408	FM Ø117A-CS-SP	X		C			X			X	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4-10-13	1530						
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 LAB LOG NO.	LABORATORY REMARKS
[signature]	04/11/13	1045	YES ○ NO ○		89220	2.2°

Serial Number 59231

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

PAGE 2 OF 4

(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: 2L PAH	RCRA 5 Metals	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
4-8-13	1426	FM Ø117B-CS-SP	C		X			X				
	1416	FMØ117C-CS-SP	C		X			X				
	1434	FMØ117D-GS-SP	G		X			X				
4-9-13	1420	CV11ØØA-CS	C		X			X	X			
	1440	CV1099A-CS	C		X			X	X			
	1335	CV1160A-CS	C		X			X				
	1335	CV1160A-CSD	C		X			X				
	1020	FMØØ62A-CS	C		X			X				
	0930	FMØ147A-CS	C		X			X				
	0940	FMØ147B-CS	C		X			X				
	0910	FM Ø249A-CS	C		X			X				
	0840	FMØ252H-CS	C		X			X				

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Hasl in	4-10-13	1530						
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
	04/11/13	1045	YES ○ NO ○		680-89220	2.2 C

TAL8240-680 (1008)

Serial Number 59202

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	20051495 - 1356	AL

(b) (6)

CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 4 OF 4

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: 22 PAH	RCRA 8 Metals	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
4-9-13	1452	CV1338B-CS-SP	C		X			X				
	10:11	HP0140A-CS-SP	C		X			X				
	1022	HP0140B-CS-SP	C		X			X				
	0937	HP0142A-CS-SP	C		X			X				
	0946	HP0142B-CS-SP	C		X			X				
	0845	HP0283A-CS-SP	C		X			X			X	
	0855	HP0283B-CS-SP	C		X			X				
	0905	HP0283C-CS-SP	C		X			X				
4-8-13	1520	CV0637D-CS-SP (sieve) ✓									X	
4-9-13	0845	HP0283A-CS-SP (sieve) ✓									X	
	1420	CV1100A-CS (sieve)									X	
	1440	CV1099A-CS (sieve)									X	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Anglin	4-10-13	1530						
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
	04/11/13	1045	YES ○ NO ○		680-89220	2-2°

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: 680-89220-4
TestAmerica Sample Delivery Group: 68089220-4
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:
4/23/2013 9:10:27 AM
Bernard Kirkland
Project Manager I
bernard.kirkland@testamericainc.com

Designee for

Lisa Harvey
Project Manager II
lisa.harvey@testamericainc.com

Job ID: 680-89220-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-89220-4

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 04/11/2013 in Savannah; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt in Savannah was 2.2 C. Savannah shipped the samples for 8270 PAH analysis to Tampa on 04/11/2013. FEDEX lost track of the cooler, and did not deliver until 04/15/2013. The coolers were out of temp at receipt in Tampa. For this SDG only the % moisture determination was afftected as the metals analysis was performed in Savannah from a separate container volume.

METALS (ICP)

Samples CV0637D-CS-SP (680-89220-9), CV1100A-CS (680-89220-16), CV1099A-CS (680-89220-17), HP0283A-CS-SP (680-89220-42), CV0637D-CS-SP (sieve) (680-89220-45), HP0283A-CS-SP (sieve) (680-89220-46), CV110A-CS (sieve) (680-89220-47) and CV1099A-CS (sieve) (680-89220-48) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 04/12/2013 and analyzed on 04/16/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0637D-CS-SP (680-89220-9) in batch 680-273364.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples CV0637D-CS-SP (680-89220-9), CV1100A-CS (680-89220-16), CV1099A-CS (680-89220-17), HP0283A-CS-SP (680-89220-42), CV0637D-CS-SP (sieve) (680-89220-45), HP0283A-CS-SP (sieve) (680-89220-46), CV110A-CS (sieve) (680-89220-47) and CV1099A-CS (sieve) (680-89220-48) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared on 04/11/2013 and analyzed on 04/12/2013.

Mercury recovered outside the recovery criteria for the MS of sample CV0637D-CS-SPMS (680-89220-9) in batch 680-273060.

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
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-89220-4
SDG: 68089220-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-89220-9	CV0637D-CS-SP	Solid	04/08/13 15:20	04/11/13 10:45
680-89220-16	CV1100A-CS	Solid	04/09/13 14:20	04/11/13 10:45
680-89220-17	CV1099A-CS	Solid	04/09/13 14:40	04/11/13 10:45
680-89220-42	HP0283A-CS-SP	Solid	04/09/13 08:45	04/11/13 10:45
680-89220-45	CV0637D-CS-SP (sieve)	Solid	04/08/13 15:20	04/11/13 10:45
680-89220-46	HP0283A-CS-SP (sieve)	Solid	04/09/13 08:45	04/11/13 10:45
680-89220-47	CV110A-CS (sieve)	Solid	04/09/13 14:20	04/11/13 10:45
680-89220-48	CV1099A-CS (sieve)	Solid	04/09/13 14:40	04/11/13 10:45

Method Summary

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

TestAmerica Job ID: 680-89220-4
SDG: 68089220-4

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
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.

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 Sample ID: CV0637D-CS-SP

Lab Sample ID: 680-89220-9
Date Collected: 04/08/13 15:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 66.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		2.7	0.80	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Barium	230		1.4	0.41	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Cadmium	1.5		0.68	0.14	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Chromium	69		1.4	0.68	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Lead	320		1.4	0.72	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Selenium	7.0		3.4	1.4	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	1
Silver	1.9		1.4	0.13	mg/Kg	☼	04/12/13 08:57	04/16/13 16:50	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	0.33		0.026	0.011	mg/Kg	☼	04/11/13 16:29	04/12/13 15:11	1

Client Sample ID: CV1100A-CS

Lab Sample ID: 680-89220-16
Date Collected: 04/09/13 14:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 77.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31		2.5	0.74	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Barium	390		1.3	0.38	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Cadmium	1.5		0.63	0.13	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Chromium	93		1.3	0.63	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Lead	320		1.3	0.66	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Selenium	8.8		3.1	1.3	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	1
Silver	1.3	U	1.3	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:18	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	0.40		0.023	0.0096	mg/Kg	☼	04/11/13 16:29	04/12/13 15:18	1

Client Sample ID: CV1099A-CS

Lab Sample ID: 680-89220-17
Date Collected: 04/09/13 14:40
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 61.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23		3.1	0.91	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Barium	400		1.5	0.46	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Cadmium	2.8		0.77	0.15	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Chromium	79		1.5	0.77	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Lead	450		1.5	0.82	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Selenium	6.8		3.9	1.5	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	1
Silver	1.5	U	1.5	0.15	mg/Kg	☼	04/12/13 08:57	04/16/13 17:23	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		0.032	0.013	mg/Kg	☼	04/11/13 16:29	04/12/13 15:21	1

Client Sample ID: HP0283A-CS-SP

Lab Sample ID: 680-89220-42

Date Collected: 04/09/13 08:45
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 67.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	41		2.5	0.74	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Barium	170		1.3	0.38	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Cadmium	2.4		0.63	0.13	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Chromium	120		1.3	0.63	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Lead	420		1.3	0.67	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Selenium	6.1		3.1	1.3	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	1
Silver	0.65	J	1.3	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:28	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	0.18		0.027	0.011	mg/Kg	☼	04/11/13 16:29	04/12/13 15:28	1

Client Sample ID: CV0637D-CS-SP (sieve)

Lab Sample ID: 680-89220-45

Date Collected: 04/08/13 15:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 79.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		2.3	0.68	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Barium	240		1.1	0.34	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Cadmium	1.4		0.57	0.11	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Chromium	63		1.1	0.57	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Lead	330		1.1	0.61	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Selenium	4.0		2.9	1.1	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	1
Silver	2.1		1.1	0.11	mg/Kg	☼	04/12/13 08:57	04/16/13 17:34	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		0.022	0.0092	mg/Kg	☼	04/11/13 16:29	04/12/13 15:30	1

Client Sample ID: HP0283A-CS-SP (sieve)

Lab Sample ID: 680-89220-46

Date Collected: 04/09/13 08:45
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 78.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	36		2.4	0.72	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Barium	170		1.2	0.37	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Cadmium	2.3		0.61	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Chromium	77		1.2	0.61	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Lead	380		1.2	0.65	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Selenium	4.1		3.0	1.2	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	1
Silver	0.83	J	1.2	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:50	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	0.15		0.022	0.0090	mg/Kg	☼	04/11/13 16:29	04/12/13 15:33	1

Client Sample ID: CV110A-CS (sieve)

Lab Sample ID: 680-89220-47

Date Collected: 04/09/13 14:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 81.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	34		2.5	0.73	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Barium	480		1.2	0.37	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Cadmium	2.0		0.62	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Chromium	86		1.2	0.62	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Lead	400		1.2	0.65	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Selenium	5.7		3.1	1.2	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	1
Silver	0.14	J	1.2	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 17:56	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	0.46		0.023	0.0093	mg/Kg	☼	04/11/13 16:29	04/12/13 15:35	1

Client Sample ID: CV1099A-CS (sieve)

Lab Sample ID: 680-89220-48

Date Collected: 04/09/13 14:40
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 82.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21		2.4	0.70	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Barium	370		1.2	0.36	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Cadmium	2.3		0.60	0.12	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Chromium	65		1.2	0.60	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Lead	380		1.2	0.63	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Selenium	4.5		3.0	1.2	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	04/12/13 08:57	04/16/13 18:01	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	0.24		0.022	0.0088	mg/Kg	☼	04/11/13 16:29	04/12/13 15:38	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-272808/1-A
Matrix: Solid
Analysis Batch: 273364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 272808

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	U	1.9	0.57	mg/Kg		04/12/13 08:57	04/16/13 16:18	1
Barium	0.96	U	0.96	0.29	mg/Kg		04/12/13 08:57	04/16/13 16:18	1
Cadmium	0.48	U	0.48	0.096	mg/Kg		04/12/13 08:57	04/16/13 16:18	1
Chromium	0.96	U	0.96	0.48	mg/Kg		04/12/13 08:57	04/16/13 16:18	1
Lead	0.96	U	0.96	0.51	mg/Kg		04/12/13 08:57	04/16/13 16:18	1
Selenium	2.4	U	2.4	0.96	mg/Kg		04/12/13 08:57	04/16/13 16:18	1
Silver	0.96	U	0.96	0.092	mg/Kg		04/12/13 08:57	04/16/13 16:18	1

Lab Sample ID: LCS 680-272808/3-A
Matrix: Solid
Analysis Batch: 273364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 272808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.6	20.4		mg/Kg		104	75 - 125
Barium	19.6	19.9		mg/Kg		101	75 - 125
Cadmium	19.6	20.6		mg/Kg		105	75 - 125
Chromium	19.6	21.3		mg/Kg		109	75 - 125
Lead	19.6	19.6		mg/Kg		100	75 - 125
Selenium	19.6	19.6		mg/Kg		100	75 - 125
Silver	19.6	20.9		mg/Kg		106	75 - 125

Lab Sample ID: 680-89220-9 MS
Matrix: Solid
Analysis Batch: 273364

Client Sample ID: CV0637D-CS-SP
Prep Type: Total/NA
Prep Batch: 272808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	21		13.6	35.4		mg/Kg	☼	109	75 - 125
Barium	230		13.6	260	4	mg/Kg	☼	228	75 - 125
Cadmium	1.5		6.82	8.13		mg/Kg	☼	97	75 - 125
Chromium	69		13.6	98.1	4	mg/Kg	☼	216	75 - 125
Lead	320		6.82	341	4	mg/Kg	☼	331	75 - 125
Selenium	7.0		13.6	17.7		mg/Kg	☼	78	75 - 125
Silver	1.9		6.82	3.27	F	mg/Kg	☼	20	75 - 125

Lab Sample ID: 680-89220-9 MSD
Matrix: Solid
Analysis Batch: 273364

Client Sample ID: CV0637D-CS-SP
Prep Type: Total/NA
Prep Batch: 272808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	21		13.4	35.4		mg/Kg	☼	111	75 - 125	0	20
Barium	230		13.4	271	4	mg/Kg	☼	314	75 - 125	4	20
Cadmium	1.5		6.70	8.18		mg/Kg	☼	99	75 - 125	1	20
Chromium	69		13.4	82.6	4	mg/Kg	☼	105	75 - 125	17	20
Lead	320		6.70	339	4	mg/Kg	☼	318	75 - 125	0	20
Selenium	7.0		13.4	17.9		mg/Kg	☼	81	75 - 125	1	20
Silver	1.9		6.70	3.96	F	mg/Kg	☼	31	75 - 125	19	20

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

Lab Sample ID: MB 680-272776/1-A
Matrix: Solid
Analysis Batch: 273060

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 272776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0082	mg/Kg		04/11/13 16:29	04/12/13 15:06	1

Lab Sample ID: LCS 680-272776/2-A
Matrix: Solid
Analysis Batch: 273060

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 272776

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.219	0.235		mg/Kg		107	80 - 120		

Lab Sample ID: 680-89220-9 MS
Matrix: Solid
Analysis Batch: 273060

Client Sample ID: CV0637D-CS-SP
Prep Type: Total/NA
Prep Batch: 272776

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.33		0.139	0.514	F	mg/Kg	☼	132	80 - 120		

Lab Sample ID: 680-89220-9 MSD
Matrix: Solid
Analysis Batch: 273060

Client Sample ID: CV0637D-CS-SP
Prep Type: Total/NA
Prep Batch: 272776

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.33		0.144	0.471		mg/Kg	☼	97	80 - 120	9	20

Metals

Prep Batch: 272776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89220-9	CV0637D-CS-SP	Total/NA	Solid	7471B	
680-89220-9 MS	CV0637D-CS-SP	Total/NA	Solid	7471B	
680-89220-9 MSD	CV0637D-CS-SP	Total/NA	Solid	7471B	
680-89220-16	CV1100A-CS	Total/NA	Solid	7471B	
680-89220-17	CV1099A-CS	Total/NA	Solid	7471B	
680-89220-42	HP0283A-CS-SP	Total/NA	Solid	7471B	
680-89220-45	CV0637D-CS-SP (sieve)	Total/NA	Solid	7471B	
680-89220-46	HP0283A-CS-SP (sieve)	Total/NA	Solid	7471B	
680-89220-47	CV110A-CS (sieve)	Total/NA	Solid	7471B	
680-89220-48	CV1099A-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-272776/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-272776/1-A	Method Blank	Total/NA	Solid	7471B	

Prep Batch: 272808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89220-9	CV0637D-CS-SP	Total/NA	Solid	3050B	
680-89220-9 MS	CV0637D-CS-SP	Total/NA	Solid	3050B	
680-89220-9 MSD	CV0637D-CS-SP	Total/NA	Solid	3050B	
680-89220-16	CV1100A-CS	Total/NA	Solid	3050B	
680-89220-17	CV1099A-CS	Total/NA	Solid	3050B	
680-89220-42	HP0283A-CS-SP	Total/NA	Solid	3050B	
680-89220-45	CV0637D-CS-SP (sieve)	Total/NA	Solid	3050B	
680-89220-46	HP0283A-CS-SP (sieve)	Total/NA	Solid	3050B	
680-89220-47	CV110A-CS (sieve)	Total/NA	Solid	3050B	
680-89220-48	CV1099A-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-272808/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-272808/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 273060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89220-9	CV0637D-CS-SP	Total/NA	Solid	7471B	272776
680-89220-9 MS	CV0637D-CS-SP	Total/NA	Solid	7471B	272776
680-89220-9 MSD	CV0637D-CS-SP	Total/NA	Solid	7471B	272776
680-89220-16	CV1100A-CS	Total/NA	Solid	7471B	272776
680-89220-17	CV1099A-CS	Total/NA	Solid	7471B	272776
680-89220-42	HP0283A-CS-SP	Total/NA	Solid	7471B	272776
680-89220-45	CV0637D-CS-SP (sieve)	Total/NA	Solid	7471B	272776
680-89220-46	HP0283A-CS-SP (sieve)	Total/NA	Solid	7471B	272776
680-89220-47	CV110A-CS (sieve)	Total/NA	Solid	7471B	272776
680-89220-48	CV1099A-CS (sieve)	Total/NA	Solid	7471B	272776
LCS 680-272776/2-A	Lab Control Sample	Total/NA	Solid	7471B	272776
MB 680-272776/1-A	Method Blank	Total/NA	Solid	7471B	272776

Analysis Batch: 273364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89220-9	CV0637D-CS-SP	Total/NA	Solid	6010C	272808
680-89220-9 MS	CV0637D-CS-SP	Total/NA	Solid	6010C	272808
680-89220-9 MSD	CV0637D-CS-SP	Total/NA	Solid	6010C	272808
680-89220-16	CV1100A-CS	Total/NA	Solid	6010C	272808
680-89220-17	CV1099A-CS	Total/NA	Solid	6010C	272808
680-89220-42	HP0283A-CS-SP	Total/NA	Solid	6010C	272808

Metals (Continued)

Analysis Batch: 273364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89220-45	CV0637D-CS-SP (sieve)	Total/NA	Solid	6010C	272808
680-89220-46	HP0283A-CS-SP (sieve)	Total/NA	Solid	6010C	272808
680-89220-47	CV110A-CS (sieve)	Total/NA	Solid	6010C	272808
680-89220-48	CV1099A-CS (sieve)	Total/NA	Solid	6010C	272808
LCS 680-272808/3-A	Lab Control Sample	Total/NA	Solid	6010C	272808
MB 680-272808/1-A	Method Blank	Total/NA	Solid	6010C	272808

General Chemistry

Analysis Batch: 136459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89220-9	CV0637D-CS-SP	Total/NA	Solid	Moisture	
680-89220-9 MS	CV0637D-CS-SP	Total/NA	Solid	Moisture	
680-89220-9 MSD	CV0637D-CS-SP	Total/NA	Solid	Moisture	
680-89220-16	CV1100A-CS	Total/NA	Solid	Moisture	
680-89220-17	CV1099A-CS	Total/NA	Solid	Moisture	
680-89220-42	HP0283A-CS-SP	Total/NA	Solid	Moisture	

Analysis Batch: 272741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-89220-45	CV0637D-CS-SP (sieve)	Total/NA	Solid	Moisture	
680-89220-46	HP0283A-CS-SP (sieve)	Total/NA	Solid	Moisture	
680-89220-47	CV110A-CS (sieve)	Total/NA	Solid	Moisture	
680-89220-48	CV1099A-CS (sieve)	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-89220-4
SDG: 68089220-4

Client Sample ID: CV0637D-CS-SP

Lab Sample ID: 680-89220-9

Date Collected: 04/08/13 15:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 66.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272776	04/11/13 16:29	UU	TAL SAV
Total/NA	Analysis	7471B		1	273060	04/12/13 15:11	BCB	TAL SAV
Total/NA	Prep	3050B			272808	04/12/13 08:57	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273364	04/16/13 16:50	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136459	04/16/13 06:43	AG	TAL TAM

Client Sample ID: CV1100A-CS

Lab Sample ID: 680-89220-16

Date Collected: 04/09/13 14:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272776	04/11/13 16:29	UU	TAL SAV
Total/NA	Analysis	7471B		1	273060	04/12/13 15:18	BCB	TAL SAV
Total/NA	Prep	3050B			272808	04/12/13 08:57	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273364	04/16/13 17:18	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136459	04/16/13 06:43	AG	TAL TAM

Client Sample ID: CV1099A-CS

Lab Sample ID: 680-89220-17

Date Collected: 04/09/13 14:40
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 61.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272776	04/11/13 16:29	UU	TAL SAV
Total/NA	Analysis	7471B		1	273060	04/12/13 15:21	BCB	TAL SAV
Total/NA	Prep	3050B			272808	04/12/13 08:57	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273364	04/16/13 17:23	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136459	04/16/13 06:43	AG	TAL TAM

Client Sample ID: HP0283A-CS-SP

Lab Sample ID: 680-89220-42

Date Collected: 04/09/13 08:45
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 67.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272776	04/11/13 16:29	UU	TAL SAV
Total/NA	Analysis	7471B		1	273060	04/12/13 15:28	BCB	TAL SAV
Total/NA	Prep	3050B			272808	04/12/13 08:57	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273364	04/16/13 17:28	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	136459	04/16/13 06:43	AG	TAL TAM

Lab Chronicle

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

TestAmerica Job ID: 680-89220-4
SDG: 68089220-4

Client Sample ID: CV0637D-CS-SP (sieve)

Lab Sample ID: 680-89220-45

Date Collected: 04/08/13 15:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272776	04/11/13 16:29	UU	TAL SAV
Total/NA	Analysis	7471B		1	273060	04/12/13 15:30	BCB	TAL SAV
Total/NA	Prep	3050B			272808	04/12/13 08:57	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273364	04/16/13 17:34	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	272741	04/11/13 15:10	FS	TAL SAV

Client Sample ID: HP0283A-CS-SP (sieve)

Lab Sample ID: 680-89220-46

Date Collected: 04/09/13 08:45
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272776	04/11/13 16:29	UU	TAL SAV
Total/NA	Analysis	7471B		1	273060	04/12/13 15:33	BCB	TAL SAV
Total/NA	Prep	3050B			272808	04/12/13 08:57	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273364	04/16/13 17:50	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	272741	04/11/13 15:10	FS	TAL SAV

Client Sample ID: CV110A-CS (sieve)

Lab Sample ID: 680-89220-47

Date Collected: 04/09/13 14:20
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272776	04/11/13 16:29	UU	TAL SAV
Total/NA	Analysis	7471B		1	273060	04/12/13 15:35	BCB	TAL SAV
Total/NA	Prep	3050B			272808	04/12/13 08:57	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273364	04/16/13 17:56	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	272741	04/11/13 15:10	FS	TAL SAV

Client Sample ID: CV1099A-CS (sieve)

Lab Sample ID: 680-89220-48

Date Collected: 04/09/13 14:40
Matrix: Solid
Date Received: 04/11/13 10:45
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			272776	04/11/13 16:29	UU	TAL SAV
Total/NA	Analysis	7471B		1	273060	04/12/13 15:38	BCB	TAL SAV
Total/NA	Prep	3050B			272808	04/12/13 08:57	JKL	TAL SAV
Total/NA	Analysis	6010C		1	273364	04/16/13 18:01	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	272741	04/11/13 15:10	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 63551

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	2005195-1356	AZ

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(b) (6)

COMPANY CONTRACTING THIS WORK (if applicable)

MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: 16 PAH; RCRA 8 Metals

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, ...)	NUMBER OF CONTAINERS SUBMITTED: 16 PAH	RCRA 8 Metals	REMARKS
4-8-13	1340	CV Ø583A-CS	X		C			X		
	1340	CV Ø583A-CSD	X		C			X		
	1350	CV Ø583B-CS	X		C			X		
	1425	CV Ø722A-CS	X		C			X		
	1485	CV Ø722B-CS	X		C			X		
	1530	CV Ø637A-CS-SP	X		C			X		
	1545	CV Ø637B-CS-SP	X		C			X		
	1536	CV Ø637C-CS-SP	X		C			X		
	1520	CV Ø637D-CS-SP	X		C			X	X	
	1325	FM Ø114A-CS-SP	X		C			X		
	1333	FM Ø114B-CS-SP	X		C			X		
	1408	FM Ø117A-CS-SP	X		C			X		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature] Anglin	4-10-13	1530						
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]	04/11/13	1045	YES ○ NO ○		89220	2.2°

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4/29/2013

TAL8240-680 (1008)

Serial Number 59231

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.: 2005498-1356
PROJECT LOCATION (STATE): AL

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE; AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...))

REQUIRED ANALYSIS: 2L PAH; RCRA 8 Metals

PAGE 2 OF 4

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STANDARD REPORT DELIVERY ○
DATE DUE
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE

COMPANY CONTRACTING THIS WORK (if applicable)

PRESERVATIVE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMP (C)	GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED									REMARKS
4-8-13	1426	FM Ø117B-CS-SP	C			X			X									
	1416	FMØ117C-CS-SP	C			X			X									
	1434	FMØ117D-GS-SP		G		X			X									
4-9-13	1420	CV11ØØA-CS	C			X			X	X								
	1440	CV1099A-CS	C			X			X	X								
	1335	CV1160A-CS	C			X			X									
	1335	CV1160A-CSD	C			X			X									
	1020	FMØØ62A-CS	C			X			X									
	0930	FMØ147A-CS	C			X			X									
	0940	FMØ147B-CS	C			X			X									
	0910	FMØ249A-CS	C			X			X									
	0840	FMØ252H-CS	C			X			X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Hasl in	4-10-13	1530						
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 YES ○ NO ○	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	04/11/13	1045			680-89220	2-2 C

TAL8240-680 (1008)

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4/12/2013

Serial Number 59202

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	2005495 - 1356	AL

PAGE 4 OF 4

(b) (6)

CLIENT ADDRESS

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: 22 PAH	RCRA 8 Metals								NUMBER OF CONTAINERS SUBMITTED	REMARKS
								PRESERVATIVE										
4-9-13	1452	CV1338B-CS-SP	C		X			X										
	10:11	HP0140A-CS-SP	C		X			X										
	1022	HP0140B-CS-SP	C		X			X										
	0937	HP0142A-CS-SP	C		X			X										
	0946	HP0142B-CS-SP	C		X			X										
	0845	HP0283A-CS-SP	C		X			X	X									
	0855	HP0283B-CS-SP	C		X			X										
	0905	HP0283C-CS-SP	C		X			X										
4-8-13	1520	CV0637D-CS-SP (sieve) ✓							X									
4-9-13	0845	HP0283A-CS-SP (sieve) ✓							X									
	1420	CV1100A-CS (sieve)							X									
	1440	CV1099A-CS (sieve)							X									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Anglin	4-10-13	1530						
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
	04/11/13	1045	YES ○ NO ○		680-89220	2-2

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4/23/2013

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-89220-4
SDG Number: 68089220-4

Login Number: 89220
List Number: 1
Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

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.	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").	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: 680-89220-4
SDG Number: 68089220-4

Login Number: 89220
List Number: 1
Creator: Snead, Joshua

List Source: TestAmerica Tampa
List Creation: 04/15/13 04:19 PM

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.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Samples delayed by FedEx and Arrived out of Temperature
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.	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	

Certification Summary

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

TestAmerica Job ID: 680-89220-4
SDG: 68089220-4

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
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
Georgia	State Program	4	905	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: 680-89220-4
SDG: 68089220-4

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
USDA	Federal		P330-11-00177	04-20-14