

REDACTED

Data Validation Checklist Inorganic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica - Savannah, GA
 Method: SW-846 6010C and 7471B, and EPA 200.7 and 245.1
 Matrix: Soil and water
 Reviewer: Jane Lindsey
 Concurrence¹: Carol Lovett/Nicole Lancaster

Project No: 15268508.20000
 Job ID.: 680-88766-3
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date(s) Collected: 03/25/2013, 03/26/2013
 Date: 04/10/2013
 Date: 04/24/2013

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 10 th 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 032613-RB-Shovel (680-88766-23) was collected during the week of 03/25/2013. The rinsate blank was analyzed for metals by EPA Methods 200.7 and 245.1 under this Test America Job ID.	
12. Were contaminants detected in samples below the blank contamination action level? ○ If blank result > RL, • Flag sample results $\leq$ RL with a U • Flag positive sample results > RL and $\leq 10\times$ blank result, as J+ positive results ○ If blank result $\leq$ RL, • Flag sample results $\leq$ RL with a U • Flag positive sample results > RL and $\leq 10\times$ 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 $\leq$ 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?	✓			CV0613K-CSD (680-88766-13) is a field duplicate of CV0613K-CS (680-88766-12).	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to Attachment B (Field Duplicate Evaluation)	J
16. Were initial and continuing calibration standards analyzed at the lab/project-specified frequency for each instrument? ○ 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 ○ 7471B: • ICAL: Blank and five standards • ICV initially, and CCV every 10th sample and at the end of the analytical run	✓			• 200.7: 03/30/2013, instrument ICPE. One blank and one standard initially. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 245.1: 04/02/2013. 6-Point ICAL. ICV initially, CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 6010C: 04/02/2013, instrument ICPE. One blank and one standard initially. ICV initially, and CCV every 10 samples and at end of run. CRI after initial calibration blank analysis. • 7471B: 03/29/2013. 6-Point ICAL. 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
17. Were these results within lab/project specifications? ○ 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 $\leq 2x$ 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 $\leq 180\%$ ($>150\%$, but $\leq 200\%$ 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 ○ 7471B • 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 $\leq 2x$ 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 $\leq 180\%$, then J+ flag positive results $<2x$ RL ▪ If CRI %R >180%, then R flag positive result	✓			Mercury correlation coefficient : • 245.1: ICAL of 04/02/2013 is 0.9999415 (page 445) • 7471B : ICAL of 03/29/2013 is 0.9999795 (page 449)	
18. Was the interference check sample (ICS) analyzed at the beginning of each ICP analytical run?	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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: ○ If >120%R (or >true value plus 2x CRQL), J+ flag positive results ○ If 50-79%R (or less than true value – 2x the CRQL), J- flag positive results and UJ flag non-detects ○ 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? ○ 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 ○ 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 ($\leq 20\%$ RPD)? If not, J and UJ flag positive and non-detect results, respectively			✓	LCS only	
23. Was a Matrix Spike (MS) and Matrix Spike Duplicate (MSD) analyzed once per preparation batch?	✓				
24. Is the MS and MSD parent sample a project-specific sample?	✓			• 200.7, Prep Batch 271187: 680-88739-1 (Batch sample), MS/MSD • 245.1, Prep Batch 271376: 680-88851-1 (Batch sample), MS/MSD • 6010C, Prep Batch 271166: 680-88766-6 (CV0613E-CS), MS/MSD • 7471B, Prep Batch 271188: 680-88766-6 (CV0613E-CS), MS/MSD	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
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)?		✓		200.7: 680-88739-1 (Batch sample) 6010C: 680-88766-6 (CV0613E-CS)	
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? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> If not, 6010C: - If MS %R <30 and PDS %R <75, then J- and R Flag positive and ND results, respectively - If MS %R <30 and PDS %R >75, then J flag positive and UJ flag non-detect results - If MS and MSD %R 30-74 and PDS%R <75, then J- flag positive and UJ flag non-detect results - If MS and MSD %R 30-74 and PDS%R ≥75, then J flag 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 7471B: - If MS %R <30, then J- and R Flag positive and ND results, respectively - If MS and MSD %R 30-74, then J- flag positive and UJ flag non-detect results - If MS and MSD %R >125, then J+ flag positive results		✓		CV0613E-CS (680-88766-6): - Arsenic @ 6 and 33%R (75-125). PDS recovery (100%) fell within control limits (75-125). J Flag - Barium @ 203 and 226%R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (100%) fell within control limits (75-125). - Chromium 39 and 138%R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (96%) fell within control limits (75-125). - Lead @ 229 and 607%R (75-125). An evaluation of interference is not possible based on MS and MSD results². PDS recovery (91%) fell within control limits (75-125). - Mercury @ 101 and 121%R (80-120). Qualification of the data is not necessary³.	J

² The native sample concentration is greater than 4x the MS/MSD 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
27. Were laboratory/project ($\leq 20\%$ RPD) criteria met for precision during the MS and MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> If RPD $> 20\%$, J and UJ flag positive and non-detect results.	✓				
28. Was a serial dilution conducted for 6010C?	✓				
29. Is the serial dilution parent sample a project-specific sample?	✓			6010C: 680-88766-6 (CV0613E-CS)	
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)? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> If %D > 10, J and UJ flag positive and non-detect results, respectively.		✓		- Barium @ 11%D (≤ 10) - Chromium @ 11%D (≤ 10) J Flag positive results in sample CV0613E-CS.	J
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? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> 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 C (Case Narrative)	
Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the <i>USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Inorganic Data Review</i> (EPA 540-R-04-004, October 2004). Sample results have been qualified based on the results of the data review process (Attachment D). 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

Job Number: 680-88766-3

Sdg Number: 68088766-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-88766-6	CV0613E-CS	Solid	03/25/2013 1343	03/28/2013 0937
680-88766-6MS	CV0613E-CS	Solid	03/25/2013 1343	03/28/2013 0937
680-88766-6MSD	CV0613E-CS	Solid	03/25/2013 1343	03/28/2013 0937
680-88766-12	CV0613K-CS	Solid	03/25/2013 1426	03/28/2013 0937
680-88766-13	CV0613K-CSD	Solid	03/25/2013 1428	03/28/2013 0937
680-88766-22	CV0613E-CS (sieve)	Solid	03/25/2013 1343	03/28/2013 0937
680-88766-23	032613-RB-shovel	Water	03/26/2013 1300	03/28/2013 0937

ATTACHMENT B
FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0613K-CS (680-88766-12)	RL	CV0613K-CSD (680-88766-13)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Arsenic	7.2	2.2	12	2.0	mg/kg	10.5	NA	4.8	4.2	J/UJ-flag, absolute difference > 2x Avg RL
Barium	100	1.1	290	0.99	mg/kg	5.225	97	NA	NA	J/UJ-flag, RPD > 50%
Cadmium	0.53	0.56	0.41	0.49	mg/kg	2.625	NA	0.12	1.05	None, absolute difference ≤ 2x Avg RL
Chromium	62	1.1	72	0.99	mg/kg	5.225	15	NA	NA	None, RPD ≤ 50%
Lead	92	1.1	100	0.99	mg/kg	5.225	8	NA	NA	None, RPD ≤ 50%
Selenium	1.7	2.8	1.0	2.5	mg/kg	13.25	NA	0.7	5.3	None, absolute difference ≤ 2x Avg RL
Mercury	0.12	0.023	0.11	0.019	mg/kg	0.105	9	NA	NA	None, RPD ≤ 50%

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

mg/kg -milligrams per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

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

ATTACHMENT C

CASE NARRATIVE

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88766-3

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

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

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

RECEIPT

The samples were received on 03/28/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

METALS (ICP) WATER

Sample 032613-RB-shovel (680-88766-23) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 03/29/2013 and analyzed on 03/30/2013.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY WATER

Sample 032613-RB-shovel (680-88766-23) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 04/01/2013 and analyzed on 04/02/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP) SOILS

Samples CV0613E-CS (680-88766-6), CV0613K-CS (680-88766-12), CV0613K-CSD (680-88766-13) and CV0613E-CS (sieve) (680-88766-22) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/29/2013 and analyzed on 04/02/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0613E-CS (680-88766-6) in batch 680-271678.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY SOILS

Samples CV0613E-CS (680-88766-6), CV0613K-CS (680-88766-12), CV0613K-CSD (680-88766-13) and CV0613E-CS (sieve) (680-88766-22) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 03/29/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV0613E-CS (680-88766-6) in batch 680-271298.

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 D
QUALIFIED SAMPLE RESULTS

Client Sample Results

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Client Sample ID: CV0613E-CS

Lab Sample ID: 680-88766-6

Date Collected: 03/25/13 13:43

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 84.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13	J	2.3	0.68	mg/Kg	☆	03/29/13 10:06	04/02/13 21:07	1
Barium	82		1.2	0.35	mg/Kg	☆	03/29/13 10:06	04/02/13 21:07	1
Cadmium	0.59		0.58	0.12	mg/Kg	☆	03/29/13 10:06	04/02/13 21:07	1
Chromium	47		1.2	0.58	mg/Kg	☆	03/29/13 10:06	04/02/13 21:07	1
Lead	84		1.2	0.61	mg/Kg	☆	03/29/13 10:06	04/02/13 21:07	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☆	03/29/13 10:06	04/02/13 21:07	1
Silver	1.2	U	1.2	0.11	mg/Kg	☆	03/29/13 10:06	04/02/13 21:07	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	0.14		0.021	0.0085	mg/Kg	☆	03/29/13 10:50	03/29/13 17:34	1

Client Sample ID: CV0613K-CS

Lab Sample ID: 680-88766-12

Date Collected: 03/25/13 14:26

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 84.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2	J	2.2	0.66	mg/Kg	☆	03/29/13 10:06	04/02/13 21:46	1
Barium	100	J	1.1	0.34	mg/Kg	☆	03/29/13 10:06	04/02/13 21:46	1
Cadmium	0.53	J	0.56	0.11	mg/Kg	☆	03/29/13 10:06	04/02/13 21:46	1
Chromium	62		1.1	0.56	mg/Kg	☆	03/29/13 10:06	04/02/13 21:46	1
Lead	92		1.1	0.60	mg/Kg	☆	03/29/13 10:06	04/02/13 21:46	1
Selenium	1.7	J	2.8	1.1	mg/Kg	☆	03/29/13 10:06	04/02/13 21:46	1
Silver	1.1	U	1.1	0.11	mg/Kg	☆	03/29/13 10:06	04/02/13 21:46	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	0.12		0.023	0.0093	mg/Kg	☆	03/29/13 10:50	03/29/13 17:46	1

Client Sample ID: CV0613K-CSD

Lab Sample ID: 680-88766-13

Date Collected: 03/25/13 14:28

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 87.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12	J	2.0	0.58	mg/Kg	☆	03/29/13 10:06	04/02/13 21:51	1
Barium	290	J	0.99	0.30	mg/Kg	☆	03/29/13 10:06	04/02/13 21:51	1
Cadmium	0.41	J	0.49	0.099	mg/Kg	☆	03/29/13 10:06	04/02/13 21:51	1
Chromium	72		0.99	0.49	mg/Kg	☆	03/29/13 10:06	04/02/13 21:51	1
Lead	100		0.99	0.52	mg/Kg	☆	03/29/13 10:06	04/02/13 21:51	1
Selenium	1.0	J	2.5	0.99	mg/Kg	☆	03/29/13 10:06	04/02/13 21:51	1
Silver	0.99	U	0.99	0.095	mg/Kg	☆	03/29/13 10:06	04/02/13 21:51	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	0.11		0.019	0.0080	mg/Kg	☆	03/29/13 10:50	03/29/13 17:49	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Client Sample ID: CV0613E-CS (sieve)

Lab Sample ID: 680-88766-22

Date Collected: 03/25/13 13:43

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 85.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		2.2	0.65	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Barium	130		1.1	0.33	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Cadmium	0.81		0.55	0.11	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Chromium	80		1.1	0.55	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Lead	150		1.1	0.58	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Silver	0.11	J	1.1	0.11	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	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	0.17		0.021	0.0085	mg/Kg	☆	03/29/13 10:50	03/29/13 17:51	1

Client Sample ID: 032613-RB-shovel

Lab Sample ID: 680-88766-23

Date Collected: 03/26/13 13:00

Matrix: Water

Date Received: 03/28/13 09:37

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20	U	20	4.6	ug/L		03/29/13 10:49	03/30/13 11:08	1
Barium	10	U	10	2.3	ug/L		03/29/13 10:49	03/30/13 11:08	1
Cadmium	5.0	U	5.0	2.0	ug/L		03/29/13 10:49	03/30/13 11:08	1
Chromium	10	U	10	1.2	ug/L		03/29/13 10:49	03/30/13 11:08	1
Lead	10	U	10	4.0	ug/L		03/29/13 10:49	03/30/13 11:08	1
Selenium	20	U	20	6.4	ug/L		03/29/13 10:49	03/30/13 11:08	1
Silver	10	U	10	0.89	ug/L		03/29/13 10:49	03/30/13 11:08	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		04/01/13 10:19	04/02/13 13:45	1

TestAmerica Savannah

Sample results have been qualified by URS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

ANALYTICAL REPORT

Job Number: 680-88766-3

SDG Number: 68088766-3

Job Description: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

Suite 106

Marietta, GA 30060

Attention: Ms. Limari F Krebs



Approved for release.
Bernard Kirkland
Project Manager I
4/8/2013 4:34 PM

Designee for

Lisa Harvey

Project Manager II

lisa.harvey@testamericainc.com

04/08/2013

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.

Savannah Certifications and ID #s: A2LA: 0399.01; AL: 41450; ARDEQ: 88-0692; ARDOH; AZ: AZ0741; CA: 03217CA; CO; CT: PH0161; DE; FL: E87052; GA: 803; Guam; HI; IL: 200022; IN: C-GA-02; IA: 353; KS: E-10322; KY EPPC: 90084; KY UST; LA DEQ: 30690; LA DHH: LA080008; ME: 2008022; MD: 250; MA: M-GA006; MI: 9925; MS; NFESC: 249; NV: GA00006; NJ: GA769; NM; NY: 10842; NC DWQ: 269; NC DHHS: 13701; PA: 68-00474; PR: GA00006; RI: LAO00244; SC: 98001001; TN: TN0296; TX: T104704185; USEPA: GA00006; VT: VT-87052; VA: 00302; WA; WV DEP: 094; WV DHHR: 9950 C; WI DNR: 999819810; WY/EPAR8: 8TMS-Q

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Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	5
Method Summary	6
Method / Analyst Summary	7
Data Qualifiers	8
QC Association Summary	9
Inorganic Sample Data	12
Metals Data	12
Met Cover Page	13
Met Sample Data	14
Met QC Data	19
Met ICV/CCV	19
Met CRQL	26
Met Blanks	30
Met ICSA/ICSAB	38
Met MS/MSD/PDS	42
Met LCS/LCSD	50
Met Serial Dilution	54
Met MDL	56
Met IECF	64
Met Linear Ranges	69
Met Preparation Log	70
Met Analysis Run Log	74
Met Raw Data	91

Table of Contents

Met Prep Data	452
Shipping and Receiving Documents	461
Client Chain of Custody	461

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88766-3

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

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

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

RECEIPT

The samples were received on 03/28/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

METALS (ICP) WATER

Sample 032613-RB-shovel (680-88766-23) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 03/29/2013 and analyzed on 03/30/2013.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY WATER

Sample 032613-RB-shovel (680-88766-23) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 04/01/2013 and analyzed on 04/02/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP) SOILS

Samples CV0613E-CS (680-88766-6), CV0613K-CS (680-88766-12), CV0613K-CSD (680-88766-13) and CV0613E-CS (sieve) (680-88766-22) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/29/2013 and analyzed on 04/02/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0613E-CS (680-88766-6) in batch 680-271678.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY SOILS

Samples CV0613E-CS (680-88766-6), CV0613K-CS (680-88766-12), CV0613K-CSD (680-88766-13) and CV0613E-CS (sieve) (680-88766-22) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 03/29/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV0613E-CS (680-88766-6) in batch 680-271298.

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: 680-88766-3

Sdg Number: 68088766-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-88766-6	CV0613E-CS	Solid	03/25/2013 1343	03/28/2013 0937
680-88766-6MS	CV0613E-CS	Solid	03/25/2013 1343	03/28/2013 0937
680-88766-6MSD	CV0613E-CS	Solid	03/25/2013 1343	03/28/2013 0937
680-88766-12	CV0613K-CS	Solid	03/25/2013 1426	03/28/2013 0937
680-88766-13	CV0613K-CSD	Solid	03/25/2013 1428	03/28/2013 0937
680-88766-22	CV0613E-CS (sieve)	Solid	03/25/2013 1343	03/28/2013 0937
680-88766-23	032613-RB-shovel	Water	03/26/2013 1300	03/28/2013 0937

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88766-3

Sdg Number: 68088766-3

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL SAV	SW846 6010C	
Preparation, Metals	TAL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL SAV	SW846 7471B	
Preparation, Mercury	TAL SAV		SW846 7471B
Percent Moisture	TAL SAV	EPA Moisture	
Percent Moisture	TAL TAM	EPA Moisture	
Matrix: Water			
Metals (ICP)	TAL SAV	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL SAV		EPA 200.7
Mercury (CVAA)	TAL SAV	EPA 245.1	
Preparation, Mercury	TAL SAV		EPA 245.1

Lab References:

TAL SAV = TestAmerica Savannah

TAL TAM = TestAmerica Tampa

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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: 680-88766-3

Sdg Number: 68088766-3

Method	Analyst	Analyst ID
40CFR136A 200.7 Rev 4.4	Bland, Brian	BCB
EPA 245.1	Bland, Brian	BCB
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: 680-88766-3

Sdg Number: 68088766-3

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

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88766-3

Sdg Number: 68088766-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-271166					
LCS 680-271166/3-A	Lab Control Sample	T	Solid	3050B	
MB 680-271166/1-A	Method Blank	T	Solid	3050B	
680-88766-6	CV0613E-CS	T	Solid	3050B	
680-88766-6MS	Matrix Spike	T	Solid	3050B	
680-88766-6MSD	Matrix Spike Duplicate	T	Solid	3050B	
680-88766-12	CV0613K-CS	T	Solid	3050B	
680-88766-13	CV0613K-CSD	T	Solid	3050B	
680-88766-22	CV0613E-CS (sieve)	T	Solid	3050B	
Prep Batch: 680-271187					
LCS 680-271187/3-A	Lab Control Sample	T	Water	200.7	
MB 680-271187/1-A	Method Blank	T	Water	200.7	
680-88739-A-1-B MS	Matrix Spike	T	Water	200.7	
680-88739-A-1-C MSD	Matrix Spike Duplicate	T	Water	200.7	
680-88766-23	032613-RB-shovel	T	Water	200.7	
Prep Batch: 680-271188					
LCS 680-271188/2-A	Lab Control Sample	T	Solid	7471B	
MB 680-271188/1-A	Method Blank	T	Solid	7471B	
680-88766-6	CV0613E-CS	T	Solid	7471B	
680-88766-6MS	Matrix Spike	T	Solid	7471B	
680-88766-6MSD	Matrix Spike Duplicate	T	Solid	7471B	
680-88766-12	CV0613K-CS	T	Solid	7471B	
680-88766-13	CV0613K-CSD	T	Solid	7471B	
680-88766-22	CV0613E-CS (sieve)	T	Solid	7471B	
Analysis Batch:680-271298					
LCS 680-271188/2-A	Lab Control Sample	T	Solid	7471B	680-271188
MB 680-271188/1-A	Method Blank	T	Solid	7471B	680-271188
680-88766-6	CV0613E-CS	T	Solid	7471B	680-271188
680-88766-6MS	Matrix Spike	T	Solid	7471B	680-271188
680-88766-6MSD	Matrix Spike Duplicate	T	Solid	7471B	680-271188
680-88766-12	CV0613K-CS	T	Solid	7471B	680-271188
680-88766-13	CV0613K-CSD	T	Solid	7471B	680-271188
680-88766-22	CV0613E-CS (sieve)	T	Solid	7471B	680-271188
Analysis Batch:680-271360					
LCS 680-271187/3-A	Lab Control Sample	T	Water	200.7 Rev 4.4	680-271187
MB 680-271187/1-A	Method Blank	T	Water	200.7 Rev 4.4	680-271187
680-88739-A-1-B MS	Matrix Spike	T	Water	200.7 Rev 4.4	680-271187
680-88739-A-1-C MSD	Matrix Spike Duplicate	T	Water	200.7 Rev 4.4	680-271187
680-88766-23	032613-RB-shovel	T	Water	200.7 Rev 4.4	680-271187

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88766-3

Sdg Number: 68088766-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 680-271376					
LCS 680-271376/2-A	Lab Control Sample	T	Water	245.1	
MB 680-271376/1-A	Method Blank	T	Water	245.1	
680-88766-23	032613-RB-shovel	T	Water	245.1	
680-88851-B-1-D MS	Matrix Spike	T	Water	245.1	
680-88851-B-1-E MSD	Matrix Spike Duplicate	T	Water	245.1	
Analysis Batch:680-271672					
LCS 680-271376/2-A	Lab Control Sample	T	Water	245.1	680-271376
MB 680-271376/1-A	Method Blank	T	Water	245.1	680-271376
680-88766-23	032613-RB-shovel	T	Water	245.1	680-271376
680-88851-B-1-D MS	Matrix Spike	T	Water	245.1	680-271376
680-88851-B-1-E MSD	Matrix Spike Duplicate	T	Water	245.1	680-271376
Analysis Batch:680-271678					
LCS 680-271166/3-A	Lab Control Sample	T	Solid	6010C	680-271166
MB 680-271166/1-A	Method Blank	T	Solid	6010C	680-271166
680-88766-6	CV0613E-CS	T	Solid	6010C	680-271166
680-88766-6MS	Matrix Spike	T	Solid	6010C	680-271166
680-88766-6MSD	Matrix Spike Duplicate	T	Solid	6010C	680-271166
680-88766-12	CV0613K-CS	T	Solid	6010C	680-271166
680-88766-13	CV0613K-CSD	T	Solid	6010C	680-271166
680-88766-22	CV0613E-CS (sieve)	T	Solid	6010C	680-271166

Report Basis

T = Total

Quality Control Results

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88766-3

Sdg Number: 68088766-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:660-135922					
680-88766-6	CV0613E-CS	T	Solid	Moisture	
680-88766-6MS	Matrix Spike	T	Solid	Moisture	
680-88766-6MSD	Matrix Spike Duplicate	T	Solid	Moisture	
Analysis Batch:660-135931					
680-88766-12	CV0613K-CS	T	Solid	Moisture	
680-88766-13	CV0613K-CSD	T	Solid	Moisture	
Analysis Batch:680-271139					
680-88766-22	CV0613E-CS (sieve)	T	Solid	Moisture	
680-88782-A-10 MS	Matrix Spike	T	Solid	Moisture	
680-88782-A-10 MSD	Matrix Spike Duplicate	T	Solid	Moisture	

Report Basis

T = Total

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88766-3
SDG No.: 68088766-3
Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
<u>CV0613E-CS</u>	<u>680-88766-6</u>
<u>CV0613K-CS</u>	<u>680-88766-12</u>
<u>CV0613K-CSD</u>	<u>680-88766-13</u>
<u>CV0613E-CS (sieve)</u>	<u>680-88766-22</u>
<u>032613-RB-shovel</u>	<u>680-88766-23</u>

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613E-CS	Lab Sample ID: 680-88766-6
Lab Name: TestAmerica Savannah	Job No.: 680-88766-3
SDG ID.: 68088766-3	
Matrix: Solid	Date Sampled: 03/25/2013 13:43
Reporting Basis: DRY	Date Received: 03/28/2013 09:37
% Solids: 84.8	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	13	2.3	0.68	mg/Kg			1	6010C
7440-39-3	Barium	82	1.2	0.35	mg/Kg			1	6010C
7440-43-9	Cadmium	0.59	0.58	0.12	mg/Kg			1	6010C
7440-47-3	Chromium	47	1.2	0.58	mg/Kg			1	6010C
7439-92-1	Lead	84	1.2	0.61	mg/Kg			1	6010C
7782-49-2	Selenium	2.9	2.9	1.2	mg/Kg	U		1	6010C
7440-22-4	Silver	1.2	1.2	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.14	0.021	0.0085	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613K-CS Lab Sample ID: 680-88766-12
Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG ID.: 68088766-3
Matrix: Solid Date Sampled: 03/25/2013 14:26
Reporting Basis: DRY Date Received: 03/28/2013 09:37
% Solids: 84.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	7.2	2.2	0.66	mg/Kg			1	6010C
7440-39-3	Barium	100	1.1	0.34	mg/Kg			1	6010C
7440-43-9	Cadmium	0.53	0.56	0.11	mg/Kg	J		1	6010C
7440-47-3	Chromium	62	1.1	0.56	mg/Kg			1	6010C
7439-92-1	Lead	92	1.1	0.60	mg/Kg			1	6010C
7782-49-2	Selenium	1.7	2.8	1.1	mg/Kg	J		1	6010C
7440-22-4	Silver	1.1	1.1	0.11	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.12	0.023	0.0093	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613K-CSD	Lab Sample ID: 680-88766-13
Lab Name: TestAmerica Savannah	Job No.: 680-88766-3
SDG ID.: 68088766-3	
Matrix: Solid	Date Sampled: 03/25/2013 14:28
Reporting Basis: DRY	Date Received: 03/28/2013 09:37
% Solids: 87.2	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	12	2.0	0.58	mg/Kg			1	6010C
7440-39-3	Barium	290	0.99	0.30	mg/Kg			1	6010C
7440-43-9	Cadmium	0.41	0.49	0.099	mg/Kg	J		1	6010C
7440-47-3	Chromium	72	0.99	0.49	mg/Kg			1	6010C
7439-92-1	Lead	100	0.99	0.52	mg/Kg			1	6010C
7782-49-2	Selenium	1.0	2.5	0.99	mg/Kg	J		1	6010C
7440-22-4	Silver	0.99	0.99	0.095	mg/Kg	U		1	6010C
7439-97-6	Mercury	0.11	0.019	0.0080	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: CV0613E-CS (sieve)	Lab Sample ID: 680-88766-22
Lab Name: TestAmerica Savannah	Job No.: 680-88766-3
SDG ID.: 68088766-3	
Matrix: Solid	Date Sampled: 03/25/2013 13:43
Reporting Basis: DRY	Date Received: 03/28/2013 09:37
% Solids: 85.1	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	7.7	2.2	0.65	mg/Kg			1	6010C
7440-39-3	Barium	130	1.1	0.33	mg/Kg			1	6010C
7440-43-9	Cadmium	0.81	0.55	0.11	mg/Kg			1	6010C
7440-47-3	Chromium	80	1.1	0.55	mg/Kg			1	6010C
7439-92-1	Lead	150	1.1	0.58	mg/Kg			1	6010C
7782-49-2	Selenium	2.7	2.7	1.1	mg/Kg	U		1	6010C
7440-22-4	Silver	0.11	1.1	0.11	mg/Kg	J		1	6010C
7439-97-6	Mercury	0.17	0.021	0.0085	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 032613-RB-shovel	Lab Sample ID: 680-88766-23
Lab Name: TestAmerica Savannah	Job No.: 680-88766-3
SDG ID.: 68088766-3	
Matrix: Water	Date Sampled: 03/26/2013 13:00
Reporting Basis: WET	Date Received: 03/28/2013 09:37

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	20	20	4.6	ug/L	U		1	200.7 Rev 4.4
7440-39-3	Barium	10	10	2.3	ug/L	U		1	200.7 Rev 4.4
7440-43-9	Cadmium	5.0	5.0	2.0	ug/L	U		1	200.7 Rev 4.4
7440-47-3	Chromium	10	10	1.2	ug/L	U		1	200.7 Rev 4.4
7439-92-1	Lead	10	10	4.0	ug/L	U		1	200.7 Rev 4.4
7782-49-2	Selenium	20	20	6.4	ug/L	U		1	200.7 Rev 4.4
7440-22-4	Silver	10	10	0.89	ug/L	U		1	200.7 Rev 4.4
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	245.1

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00108

Analyte	ICV 680-271360/4 03/30/2013 09:16				CCV 680-271360/9 03/30/2013 09:44				CCV 680-271360/21 03/30/2013 10:52			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	947		1000	95	492		500	98	490		500	98
Barium	1000		1000	100	4690		5000	94	4700		5000	94
Cadmium	1000		1000	100	466		500	93	474		500	95
Chromium	987		1000	99	4670		5000	93	4730		5000	95
Lead	1000		1000	100	488		500	98	498		500	100
Selenium	989		1000	99	4960		5000	99	5070		5000	101
Silver	988		1000	99	496		500	99	502		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.: 680-88766-3

SDG No.: 68088766-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00108

Analyte	CCV 680-271360/33 03/30/2013 11:57											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	508		500	102								
Barium	4670		5000	93								
Cadmium	476		500	95								
Chromium	4750		5000	95								
Lead	500		500	100								
Selenium	5130		5000	103								
Silver	502		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.: 680-88766-3

SDG No.: 68088766-3

ICV Source: P_ICV_wk_00213 Concentration Units: ug/L

CCV Source: P_CCV_wk_00109

Analyte	ICV 680-271678/4 04/02/2013 13:34				CCV 680-271678/70 04/02/2013 20:18				CCV 680-271678/82 04/02/2013 21:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1020		1000	102	489		500	98	491		500	98
Barium	1040		1000	104	4890		5000	98	4880		5000	98
Cadmium	1040		1000	104	483		500	97	483		500	97
Chromium	1030		1000	103	4920		5000	98	4920		5000	98
Lead	1020		1000	102	496		500	99	497		500	99
Selenium	986		1000	99	4870		5000	97	4860		5000	97
Silver	976		1000	98	496		500	99	494		500	99

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
 SDG No.: 68088766-3
 ICV Source: P_ICV_wk_00213 Concentration Units: ug/L
 CCV Source: P_CCV_wk_00109

Analyte	CCV 680-271678/94 04/02/2013 22:29											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	479		500	96								
Barium	4870		5000	97								
Cadmium	479		500	96								
Chromium	4890		5000	98								
Lead	491		500	98								
Selenium	4820		5000	96								
Silver	489		500	98								

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

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
 SDG No.: 68088766-3
 ICV Source: hg_icvint_00084 Concentration Units: ug/L
 CCV Source: Hg_Int_Cal_00090

Analyte	ICV 680-271158/34-A 03/29/2013 16:01				CCV 680-271158/31-A 03/29/2013 17:07				CCV 680-271158/31-A 03/29/2013 17:36			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.05		3.00	102	2.58		2.50	103	2.57		2.50	103

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.: 680-88766-3
 SDG No.: 68088766-3
 ICV Source: hg_icvint_00084 Concentration Units: ug/L
 CCV Source: Hg_Int_Cal_00090

Analyte	CCV 680-271158/31-A 03/29/2013 18:06											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.58		2.50	103								

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.: 680-88766-3
 SDG No.: 68088766-3
 ICV Source: hg_icvint_00084 Concentration Units: ug/L
 CCV Source: Hg_Int_Cal_00090

Analyte	ICV 680-271376/22-A 04/02/2013 12:47				CCV 680-271376/19-A 04/02/2013 13:23				CCV 680-271376/19-A 04/02/2013 13:53			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	3.11		3.00	104	2.66		2.50	106	2.36		2.50	95

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.: 680-88766-3
SDG No.: 68088766-3
Method: 200.7 Rev 4.4 Instrument ID: ICPE
Lab Sample ID: CRI 680-271360/6 Concentration Units: ug/L
CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	19.7	J	98	50-150
Barium	10.0	9.54	J	95	50-150
Cadmium	5.00	5.07		101	50-150
Chromium	10.0	10.4		104	50-150
Lead	10.0	9.20	J	92	50-150
Selenium	20.0	23.0		115	50-150
Silver	10.0	11.2		112	50-150

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Method: 6010C Instrument ID: ICPF
Lab Sample ID: CRI 680-271678/6 Concentration Units: ug/L
CRQL Check Standard Source: P_CRI_00023

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	20.0	21.2		106	50-150
Barium	10.0	10.1		101	50-150
Cadmium	5.00	4.67	J	93	50-150
Chromium	10.0	9.39	J	94	50-150
Lead	10.0	8.05	J	80	50-150
Selenium	20.0	23.1	J	115	50-150
Silver	10.0	11.1		111	50-150

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Method: 245.1 Instrument ID: LEEMAN2
Lab Sample ID: CRA 680-271376/24-A Concentration Units: ug/L
CRQL Check Standard Source: Hg_Int_Cal_00090

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.222		111	50-150

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Method: 7471B Instrument ID: LEEMAN2
Lab Sample ID: CRA 680-271158/36-A Concentration Units: ug/L
CRQL Check Standard Source: Hg_Int_Cal_00090

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.211		106	50-150

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Concentration Units: ug/L

Analyte	RL	ICBIS 680-271360/5 03/30/2013 09:22		CCB 680-271360/10 03/30/2013 09:49		CCB 680-271360/22 03/30/2013 10:57		CCB 680-271360/34 03/30/2013 12:02	
		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	20	20	U	20	U	20	U	20	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.: 680-88766-3

SDG No.: 68088766-3

Concentration Units: ug/L

Analyte	RL	ICBIS 680-271678/5 04/02/2013 13:39		CCB 680-271678/71 04/02/2013 20:24		CCB 680-271678/83 04/02/2013 21:29		CCB 680-271678/95 04/02/2013 22:35	
		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.: 680-88766-3

SDG No.: 68088766-3

Concentration Units: ug/L

Analyte	RL	ICB 680-271158/35-A 03/29/2013 16:04		CCB 680-271158/32-A 03/29/2013 17:09		CCB 680-271158/32-A 03/29/2013 17:39		CCB 680-271158/32-A 03/29/2013 18:08	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Concentration Units: ug/L

Analyte	RL	ICB 680-271376/23-A 04/02/2013 12:49		CCB 680-271376/20-A 04/02/2013 13:26		CCB 680-271376/20-A 04/02/2013 13:55			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U		

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Concentration Units: ug/L Lab Sample ID: MB 680-271187/1-A
Instrument Code: ICPE Batch No.: 271360

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	20	U		200.7_CWA
7440-39-3	Barium	10	U		200.7_CWA
7440-43-9	Cadmium	5.0	U		200.7_CWA
7440-47-3	Chromium	10	U		200.7_CWA
7439-92-1	Lead	10	U		200.7_CWA
7782-49-2	Selenium	20	U		200.7_CWA
7440-22-4	Silver	10	U		200.7_CWA

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Concentration Units: mg/Kg Lab Sample ID: MB 680-271166/1-A
Instrument Code: ICPF Batch No.: 271678

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.: 680-88766-3
SDG No.: 68088766-3
Concentration Units: ug/L Lab Sample ID: MB 680-271376/1-A
Instrument Code: LEEMAN2 Batch No.: 271672

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		245.1

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Concentration Units: mg/Kg Lab Sample ID: MB 680-271188/1-A
Instrument Code: LEEMAN2 Batch No.: 271298

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.: 680-88766-3
 SDG No.: 68088766-3
 Lab Sample ID: ICSA 680-271360/7 Instrument ID: ICPE
 Lab File ID: E03302013.csv ICS Source: P_ICSA_wk_00030
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-2.40	
Barium		1.16	
Cadmium		0.248	
Chromium		0.927	
Lead		-3.45	
Selenium		-0.746	
Silver		-0.657	
<i>Aluminum</i>	<i>500000</i>	<i>556083</i>	<i>111</i>
<i>Antimony</i>		<i>5.15</i>	
<i>Beryllium</i>		<i>-0.174</i>	
<i>Boron</i>		<i>-16.4</i>	
<i>Calcium</i>	<i>500000</i>	<i>509443</i>	<i>102</i>
<i>Cobalt</i>		<i>0.569</i>	
<i>Copper</i>		<i>0.924</i>	
<i>Iron</i>	<i>200000</i>	<i>205120</i>	<i>103</i>
<i>Magnesium</i>	<i>500000</i>	<i>560274</i>	<i>112</i>
<i>Manganese</i>		<i>-0.281</i>	
<i>Molybdenum</i>		<i>1.25</i>	
<i>Nickel</i>		<i>0.150</i>	
<i>Potassium</i>		<i>-0.331</i>	
<i>Sodium</i>		<i>-478</i>	
<i>Strontium</i>		<i>3.01</i>	
<i>Thallium</i>		<i>-18.7</i>	
<i>Tin</i>		<i>0.136</i>	
<i>Titanium</i>		<i>0.111</i>	
<i>Vanadium</i>		<i>-3.09</i>	
<i>Zinc</i>		<i>18.3</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
 SDG No.: 68088766-3
 Lab Sample ID: ICSAB 680-271360/8 Instrument ID: ICPE
 Lab File ID: E03302013.csv ICS Source: P_ICSAB_wk_00043
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	100	114	114
Barium	500	536	107
Cadmium	1000	1018	102
Chromium	500	518	104
Lead	50.0	44.1	88
Selenium	50.0	54.0	108
Silver	200	226	113
<i>Aluminum</i>	<i>500000</i>	<i>553908</i>	<i>111</i>
<i>Antimony</i>	<i>600</i>	<i>640</i>	<i>107</i>
<i>Beryllium</i>	<i>500</i>	<i>517</i>	<i>103</i>
<i>Boron</i>		<i>-23.2</i>	
<i>Calcium</i>	<i>500000</i>	<i>508282</i>	<i>102</i>
<i>Cobalt</i>	<i>500</i>	<i>504</i>	<i>101</i>
<i>Copper</i>	<i>500</i>	<i>558</i>	<i>112</i>
<i>Iron</i>	<i>200000</i>	<i>204002</i>	<i>102</i>
<i>Magnesium</i>	<i>500000</i>	<i>559782</i>	<i>112</i>
<i>Manganese</i>	<i>500</i>	<i>511</i>	<i>102</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1124</i>	<i>112</i>
<i>Nickel</i>	<i>1000</i>	<i>1003</i>	<i>100</i>
<i>Potassium</i>		<i>-0.443</i>	
<i>Sodium</i>		<i>-461</i>	
<i>Strontium</i>		<i>1.82</i>	
<i>Thallium</i>	<i>100</i>	<i>81.2</i>	<i>81</i>
<i>Tin</i>	<i>1000</i>	<i>1079</i>	<i>108</i>
<i>Titanium</i>		<i>-6.51</i>	
<i>Vanadium</i>	<i>500</i>	<i>518</i>	<i>104</i>
<i>Zinc</i>	<i>1000</i>	<i>999</i>	<i>100</i>

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
 SDG No.: 68088766-3
 Lab Sample ID: ICSA 680-271678/7 Instrument ID: ICPF
 Lab File ID: F04022013.csv ICS Source: P_ICSA_wk_00030
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		-29.5	
Barium		-2.23	
Cadmium		1.48	
Chromium		-1.80	
Lead		-7.70	
Selenium		-12.4	
Silver		0.475	
<i>Aluminum</i>	<i>500000</i>	<i>558455</i>	<i>112</i>
<i>Antimony</i>		<i>-2.57</i>	
<i>Beryllium</i>		<i>-0.252</i>	
<i>Boron</i>		<i>11.4</i>	
<i>Calcium</i>	<i>500000</i>	<i>511641</i>	<i>102</i>
<i>Cobalt</i>		<i>0.137</i>	
<i>Copper</i>		<i>4.24</i>	
<i>Iron</i>	<i>200000</i>	<i>195203</i>	<i>98</i>
<i>Magnesium</i>	<i>500000</i>	<i>543808</i>	<i>109</i>
<i>Manganese</i>		<i>-1.03</i>	
<i>Molybdenum</i>		<i>-2.86</i>	
<i>Nickel</i>		<i>3.64</i>	
<i>Potassium</i>		<i>-33.8</i>	
<i>Sodium</i>		<i>135</i>	
<i>Strontium</i>		<i>-3.82</i>	
<i>Thallium</i>		<i>-9.85</i>	
<i>Tin</i>		<i>-0.522</i>	
<i>Titanium</i>		<i>5.70</i>	
<i>Vanadium</i>		<i>0.0066</i>	
<i>Zinc</i>		<i>6.12</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Lab Sample ID: ICSAB 680-271678/8 Instrument ID: ICPF
Lab File ID: F04022013.csv ICS Source: P_ICSAB_wk_00043
Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Arsenic	100	83.4	83
Barium	500	530	106
Cadmium	1000	1018	102
Chromium	500	525	105
Lead	50.0	40.0	80
Selenium	50.0	59.9	120
Silver	200	222	111
<i>Aluminum</i>	<i>500000</i>	<i>568502</i>	<i>114</i>
<i>Antimony</i>	<i>600</i>	<i>615</i>	<i>103</i>
<i>Beryllium</i>	<i>500</i>	<i>521</i>	<i>104</i>
<i>Boron</i>		<i>11.4</i>	
<i>Calcium</i>	<i>500000</i>	<i>518620</i>	<i>104</i>
<i>Cobalt</i>	<i>500</i>	<i>507</i>	<i>101</i>
<i>Copper</i>	<i>500</i>	<i>573</i>	<i>115</i>
<i>Iron</i>	<i>200000</i>	<i>198006</i>	<i>99</i>
<i>Magnesium</i>	<i>500000</i>	<i>556104</i>	<i>111</i>
<i>Manganese</i>	<i>500</i>	<i>532</i>	<i>106</i>
<i>Molybdenum</i>	<i>1000</i>	<i>1100</i>	<i>110</i>
<i>Nickel</i>	<i>1000</i>	<i>998</i>	<i>100</i>
<i>Potassium</i>		<i>-33.6</i>	
<i>Sodium</i>		<i>273</i>	
<i>Strontium</i>		<i>-4.34</i>	
<i>Thallium</i>	<i>100</i>	<i>81.2</i>	<i>81</i>
<i>Tin</i>	<i>1000</i>	<i>1041</i>	<i>104</i>
<i>Titanium</i>		<i>-0.662</i>	
<i>Vanadium</i>	<i>500</i>	<i>509</i>	<i>102</i>
<i>Zinc</i>	<i>1000</i>	<i>988</i>	<i>99</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: CV0613E-CS MS

Lab ID: 680-88766-6 MS

Lab Name: TestAmerica Savannah

Job No.: 680-88766-3

SDG No.: 68088766-3

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 84.8

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	19.7	13	11.6	56	75-125	F	6010C
Barium	105	82	11.6	203	75-125	4	6010C
Cadmium	5.75	0.59	5.78	89	75-125		6010C
Chromium	51.9	47	11.6	39	75-125	4	6010C
Lead	97.7	84	5.78	229	75-125	4	6010C
Selenium	10.6	2.9 U	11.6	91	75-125		6010C
Silver	5.15	1.2 U	5.78	89	75-125		6010C
Mercury	0.262	0.14	0.118	101	80-120		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.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-88739-A-1-B MS
 Lab Name: TestAmerica Savannah Job No.: 680-88766-3
 SDG No.: 68088766-3
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	114	6.4 J	100	108	75-125		200.7 Rev 4.4
Barium	165	68	100	97	75-125		200.7 Rev 4.4
Cadmium	51.9	2.7 J	50.0	98	75-125		200.7 Rev 4.4
Chromium	99.2	2.5 J	100	97	75-125		200.7 Rev 4.4
Lead	83.2	33	50.0	100	75-125		200.7 Rev 4.4
Selenium	114	20 U	100	114	75-125		200.7 Rev 4.4
Silver	43.5	10 U	50.0	87	75-125		200.7 Rev 4.4

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-88851-B-1-D MS
Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.916	0.20	U 1.00	92	70-130		245.1

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: CV0613E-CS MSD

Lab ID: 680-88766-6 MSD

Lab Name: TestAmerica Savannah

Job No.: 680-88766-3

SDG No.: 68088766-3

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 84.8

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	17.0	11.6	33	75-125	15	20	F	6010C
Barium	108	11.6	226	75-125	2	20	4	6010C
Cadmium	5.38	5.78	83	75-125	7	20		6010C
Chromium	63.2	11.6	138	75-125	20	20	4	6010C
Lead	119	5.78	607	75-125	20	20	4	6010C
Selenium	9.37	11.6	81	75-125	12	20		6010C
Silver	5.32	5.78	92	75-125	3	20		6010C
Mercury	0.264	0.0999	121	80-120	1	20	F	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.

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-88739-A-1-C MSD
 Lab Name: TestAmerica Savannah Job No.: 680-88766-3
 SDG No.: 68088766-3
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	115	100	109	75-125	0	20		200.7 Rev 4.4
Barium	159	100	91	75-125	4	20		200.7 Rev 4.4
Cadmium	50.4	50.0	95	75-125	3	20		200.7 Rev 4.4
Chromium	96.6	100	94	75-125	3	20		200.7 Rev 4.4
Lead	82.0	50.0	97	75-125	1	20		200.7 Rev 4.4
Selenium	97.8	100	98	75-125	16	20		200.7 Rev 4.4
Silver	45.7	50.0	91	75-125	5	20		200.7 Rev 4.4

SDR = Sample Duplicate Result

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

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-88851-B-1-E MSD
Lab Name: TestAmerica Savannah Job No.: 680-88766-3
SDG No.: 68088766-3
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.998	1.00	100	70-130	9	20		245.1

SDR = Sample Duplicate Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: CV0613E-CS PDS Lab ID: 680-88766-6 PDS
 Lab Name: TestAmerica Savannah Job No.: 680-88766-3
 SDG No.: 68088766-3
 Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	245	13	231	100	75-125		6010C
Barium	314	82	231	100	75-125		6010C
Cadmium	6.09	0.59	5.78	95	75-125		6010C
Chromium	69.6	47	23.1	96	75-125		6010C
Lead	137	84	57.8	91	75-125		6010C
Selenium	225	2.9 U	231	98	75-125		6010C
Silver	5.75	1.2 U	5.78	99	75-125		6010C

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 680-88739-A-1-A PDS
 Lab Name: TestAmerica Savannah Job No.: 680-88766-3
 SDG No.: 68088766-3
 Matrix: Water Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	2390	6.4 J	2000	119	75-125		200.7 Rev 4.4
Barium	2220	68	2000	108	75-125		200.7 Rev 4.4
Cadmium	56.8	2.7 J	50.0	108	75-125		200.7 Rev 4.4
Chromium	219	2.5 J	200	108	75-125		200.7 Rev 4.4
Lead	560	33	500	105	75-125		200.7 Rev 4.4
Selenium	2440	20 U	2000	122	75-125		200.7 Rev 4.4
Silver	53.5	10 U	50.0	107	75-125		200.7 Rev 4.4

SSR = Spiked Sample Result

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 680-271187/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-88766-3

Sample Matrix: Water

LCS Source: MS Cal Stk_00019

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	200	210		105	85	115		200.7 Rev 4.4
Barium	200	195		98	85	115		200.7 Rev 4.4
Cadmium	200	199		99	85	115		200.7 Rev 4.4
Chromium	200	198		99	85	115		200.7 Rev 4.4
Lead	200	196		98	85	115		200.7 Rev 4.4
Selenium	200	203		102	85	115		200.7 Rev 4.4
Silver	200	203		102	85	115		200.7 Rev 4.4

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 680-271166/3-A

Lab Name: TestAmerica Savannah

Job No.: 680-88766-3

Sample Matrix: Solid

LCS Source: MS Cal Stk_00019

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	19.6	18.8		96	75	125		6010C
Barium	19.6	17.9		91	75	125		6010C
Cadmium	19.6	18.6		95	75	125		6010C
Chromium	19.6	18.6		95	75	125		6010C
Lead	19.6	17.7		90	75	125		6010C
Selenium	19.6	17.3		88	75	125		6010C
Silver	19.6	19.0		97	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 680-271376/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-88766-3

Sample Matrix: Water

LCS Source: Hg_Int_Cal_00090

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	2.50	2.62		105	85	115		245.1

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 680-271188/2-A

Lab Name: TestAmerica Savannah

Job No.: 680-88766-3

Sample Matrix: Solid

LCS Source: Hg_Int_Cal_00090

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.223	0.232		104	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: 680-88766-6

SDG No: 68088766-3

Lab Name: TestAmerica Savannah

Job No: 680-88766-3

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Arsenic	13		11.5	J	NC		6010C
Barium	82		90.8		11	V	6010C
Cadmium	0.59		2.9	U	NC		6010C
Chromium	47		52.6		11	V	6010C
Lead	84		92.9		10		6010C
Selenium	2.9	U	14	U	NC		6010C
Silver	1.2	U	5.8	U	NC		6010C

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

FORM VIII-IN

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

Lab ID: 680-88739-A-1-A SD ^5

SDG No: 68088766-3

Lab Name: TestAmerica Savannah

Job No: 680-88766-3

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Arsenic	6.4	J	100	U	NC		200.7 Rev 4.4
Barium	68		63.9		NC		200.7 Rev 4.4
Cadmium	2.7	J	25	U	NC		200.7 Rev 4.4
Chromium	2.5	J	50	U	NC		200.7 Rev 4.4
Lead	33		22.0	J	NC		200.7 Rev 4.4
Selenium	20	U	100	U	NC		200.7 Rev 4.4
Silver	10	U	50	U	NC		200.7 Rev 4.4

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: 680-88766-3

SDG Number: 68088766-3

Matrix: Water

Instrument ID: ICPE

Method: 200.7 Rev 4.4

MDL Date: 06/02/2009 00:00

Prep Method: 200.7

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		20	4.6
Barium		10	2.3
Cadmium		5	2
Chromium		10	1.2
Lead		10	4
Selenium		20	6.4
Silver		10	0.89

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88766-3
SDG Number: 68088766-3
Matrix: Water Instrument ID: ICPE
Method: 200.7 Rev 4.4 XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		20	4.6
Barium		10	2.3
Cadmium		5	2
Chromium		10	1.2
Lead		10	4
Selenium		20	6.4
Silver		10	0.89

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88766-3
SDG Number: 68088766-3
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: 680-88766-3
SDG Number: 68088766-3
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: 680-88766-3
SDG Number: 68088766-3
Matrix: Water Instrument ID: LEEMAN2
Method: 245.1 MDL Date: 06/02/2009 00:00
Prep Method: 245.1

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.091

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88766-3
SDG Number: 68088766-3
Matrix: Water Instrument ID: LEEMAN2
Method: 245.1 XMDL Date: 06/02/2009 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88766-3
SDG Number: 68088766-3
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: 680-88766-3
SDG Number: 68088766-3
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: 680-88766-3

SDG No.: 68088766-3

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

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg
Aluminum	308.215														
Antimony	206.834						0.007900				0.009800		0.000023		
Arsenic	188.980							0.000037					-0.000016		
Barium	389.178												0.000062		0.000112
Beryllium	313.042														
Boron	249.678												-0.000101		
Cadmium	226.502												0.000066		
Calcium	370.602												-0.025890		
Chromium	267.716								-0.000200				0.000005		
Cobalt	228.615										0.000280		-0.000003		
Copper	324.754												0.000006		
Iron	271.441									0.090560	0.001160				
Lead	220.353		-0.000011							-0.000200					
Magnesium	279.078		-0.000142										0.000087		
Manganese	257.610												0.000012		0.000025
Molybdenum	202.032												-0.000007		
Nickel	231.604												0.000008		
Potassium	766.491														
Selenium	196.026												0.000012		
Silver	328.068														
Sodium	330.237												-0.005902		
Strontium	216.596							0.000009					0.000039		
Thallium	190.794									0.000530			-0.000052		
Tin	189.925														
Titanium	334.941														
Vanadium	292.401										-0.002240				
Zinc	206.200										-0.001960				

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88766-3

SDG No.: 68088766-3

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

Analyte	Wave Length	Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Tl	V	Zn	
Aluminum	308.215		0.023030										-0.003100		
Antimony	206.834		-0.013600						0.000200						
Arsenic	188.980		-0.000430												
Barium	389.178		0.000218										0.000095		
Beryllium	313.042		-0.000082										-0.000019		
Boron	249.678														
Cadmium	226.502														
Calcium	370.602	0.008800									0.058100		0.003040		
Chromium	267.716	0.000090											-0.000200		
Cobalt	228.615		-0.002900						-0.000060		0.002250				
Copper	324.754		0.000550										-0.000200		
Iron	271.441		0.000760										0.004220		
Lead	220.353	0.000130	-0.000800								-0.000325				
Magnesium	279.078	-0.007600													
Manganese	257.610														
Molybdenum	202.032												-0.000260		
Nickel	231.604														
Potassium	766.491														
Selenium	196.026	0.000500													
Silver	328.068	0.000061								-0.000600			0.000081		
Sodium	330.237										-0.150825			-0.144400	
Strontium	216.596		-0.003360		-0.001575										
Thallium	190.794	-0.001466	-0.000433										0.000500		
Tin	189.925														
Titanium	334.941														
Vanadium	292.401		-0.007130								0.000575				
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Savannah Job Number: 680-88766-3

SDG No.: 68088766-3

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: 680-88766-3

SDG No.: 68088766-3

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: 680-88766-3

SDG No.: 68088766-3

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														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Savannah

Job No: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPE

Date: 02/27/2012 11:40

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		18000	200.7 Rev 4.4
Barium		18000	200.7 Rev 4.4
Cadmium		9000	200.7 Rev 4.4
Chromium		22500	200.7 Rev 4.4
Lead		18000	200.7 Rev 4.4
Selenium		22500	200.7 Rev 4.4
Silver		1800	200.7 Rev 4.4

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-271166/1-A	03/29/2013 10:06	271166	1.04		100
LCS 680-271166/3-A	03/29/2013 10:06	271166	1.02		100
680-88766-6	03/29/2013 10:06	271166	1.02		100
680-88766-6 MS	03/29/2013 10:06	271166	1.02		100
680-88766-6 MSD	03/29/2013 10:06	271166	1.02		100
680-88766-12	03/29/2013 10:06	271166	1.05		100
680-88766-13	03/29/2013 10:06	271166	1.16		100
680-88766-22	03/29/2013 10:06	271166	1.07		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 680-271187/1-A	03/29/2013 10:49	271187		50	50
LCS 680-271187/3-A	03/29/2013 10:49	271187		50	50
680-88766-23	03/29/2013 10:49	271187		50	50
680-88739-A-1-B MS	03/29/2013 10:49	271187		50	50
680-88739-A-1-C MSD	03/29/2013 10:49	271187		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 680-271188/1-A	03/29/2013 10:50	271188	0.51		50
LCS 680-271188/2-A	03/29/2013 10:50	271188	0.56		50
680-88766-6	03/29/2013 10:50	271188	0.57		50
680-88766-6 MS	03/29/2013 10:50	271188	0.50		50
680-88766-6 MSD	03/29/2013 10:50	271188	0.59		50
680-88766-12	03/29/2013 10:50	271188	0.52		50
680-88766-13	03/29/2013 10:50	271188	0.59		50
680-88766-22	03/29/2013 10:50	271188	0.57		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Prep Method: 245.1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 680-271376/1-A	04/01/2013 10:19	271376		50	50
LCS 680-271376/2-A	04/01/2013 10:19	271376		50	50
680-88851-B-1-D MS	04/01/2013 10:19	271376		50	50
680-88851-B-1-E MSD	04/01/2013 10:19	271376		50	50
680-88766-23	04/01/2013 10:19	271376		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPE Method: 200.7 Rev 4.4

Start Date: 03/30/2013 08:46 End Date: 03/31/2013 06:36

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			08:46																
ZZZZZZ			08:52																
ZZZZZZ			08:57																
ICV 680-271360/4	1		09:16	X	X	X	X	X	X	X									
ICBIS 680-271360/5	1		09:22	X	X	X	X	X	X	X									
CRI 680-271360/6	1		09:27	X	X	X	X	X	X	X									
ICSA 680-271360/7	1		09:33	X	X	X	X	X	X	X									
ICSAB 680-271360/8	1		09:38	X	X	X	X	X	X	X									
CCV 680-271360/9	1		09:44	X	X	X	X	X	X	X									
CCB 680-271360/10	1		09:49	X	X	X	X	X	X	X									
MB 680-271187/1-A	1	T	09:54	X	X	X	X	X	X	X									
ZZZZZZ			10:00																
LCS 680-271187/3-A	1	T	10:05	X	X	X	X	X	X	X									
ZZZZZZ			10:11																
ZZZZZZ			10:19																
ZZZZZZ			10:25																
ZZZZZZ			10:30																
ZZZZZZ			10:36																
ZZZZZZ			10:41																
ZZZZZZ			10:46																
CCV 680-271360/21	1		10:52	X	X	X	X	X	X	X									
CCB 680-271360/22	1		10:57	X	X	X	X	X	X	X									
ZZZZZZ			11:03																
680-88766-23	1	T	11:08	X	X	X	X	X	X	X									
ZZZZZZ			11:14																
680-88739-A-1-A SD ^5	5	T	11:19	X	X	X	X	X	X	X									
680-88739-A-1-A PDS	1	T	11:24	X	X	X	X	X	X	X									
680-88739-A-1-B MS	1	T	11:30	X	X	X	X	X	X	X									
680-88739-A-1-C MSD	1	T	11:35	X	X	X	X	X	X	X									
ZZZZZZ			11:41																
ZZZZZZ			11:46																
ZZZZZZ			11:52																
CCV 680-271360/33	1		11:57	X	X	X	X	X	X	X									
CCB 680-271360/34	1		12:02	X	X	X	X	X	X	X									
ZZZZZZ			12:08																
ZZZZZZ			12:13																
ZZZZZZ			12:19																
ZZZZZZ			12:24																
ZZZZZZ			12:29																
ZZZZZZ			12:35																
ZZZZZZ			12:40																
ZZZZZZ			12:46																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPE Method: 200.7 Rev 4.4

Start Date: 03/30/2013 08:46 End Date: 03/31/2013 06:36

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			12:51																
ZZZZZZ			12:57																
CCV 680-271360/45			13:02																
CCB 680-271360/46			13:07																
ZZZZZZ			13:13																
ZZZZZZ			13:18																
ZZZZZZ			13:24																
ZZZZZZ			13:29																
ZZZZZZ			13:34																
ZZZZZZ			13:40																
ZZZZZZ			13:45																
ZZZZZZ			13:51																
ZZZZZZ			13:56																
ZZZZZZ			14:02																
ZZZZZZ			14:07																
ZZZZZZ			14:12																
ZZZZZZ			14:18																
ZZZZZZ			14:23																
ZZZZZZ			14:29																
ZZZZZZ			14:34																
ZZZZZZ			14:39																
ZZZZZZ			14:45																
ZZZZZZ			14:50																
ZZZZZZ			14:56																
ZZZZZZ			15:01																
ZZZZZZ			15:07																
ZZZZZZ			15:12																
ZZZZZZ			15:18																
ZZZZZZ			15:23																
ZZZZZZ			15:28																
ZZZZZZ			15:34																
ZZZZZZ			15:39																
ZZZZZZ			15:45																
ZZZZZZ			15:50																
ZZZZZZ			15:55																
ZZZZZZ			16:01																
ZZZZZZ			16:07																
ZZZZZZ			16:12																
ZZZZZZ			16:17																
ZZZZZZ			16:23																
ZZZZZZ			16:28																
ZZZZZZ			16:34																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPE Method: 200.7 Rev 4.4

Start Date: 03/30/2013 08:46 End Date: 03/31/2013 06:36

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			16:39																
ZZZZZZ			16:45																
ZZZZZZ			16:50																
ZZZZZZ			16:56																
ZZZZZZ			17:01																
ZZZZZZ			17:07																
ZZZZZZ			17:12																
ZZZZZZ			17:18																
ZZZZZZ			17:23																
ZZZZZZ			17:28																
ZZZZZZ			17:34																
ZZZZZZ			17:39																
ZZZZZZ			17:45																
ZZZZZZ			17:50																
ZZZZZZ			17:56																
ZZZZZZ			18:01																
ZZZZZZ			18:07																
ZZZZZZ			18:12																
ZZZZZZ			18:17																
ZZZZZZ			18:23																
ZZZZZZ			18:29																
ZZZZZZ			18:34																
ZZZZZZ			18:40																
ZZZZZZ			18:45																
ZZZZZZ			18:50																
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																
ZZZZZZ			19:45																
ZZZZZZ			19:50																
ZZZZZZ			19:56																
ZZZZZZ			20:01																
ZZZZZZ			20:06																
ZZZZZZ			20:12																
ZZZZZZ			20:17																
ZZZZZZ			20:23																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPE Method: 200.7 Rev 4.4

Start Date: 03/30/2013 08:46 End Date: 03/31/2013 06:36

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			20:28																
ZZZZZZ			20:34																
ZZZZZZ			20:39																
ZZZZZZ			20:44																
ZZZZZZ			20:50																
ZZZZZZ			20:55																
ZZZZZZ			21:01																
ZZZZZZ			21:06																
ZZZZZZ			21:12																
ZZZZZZ			21:17																
ZZZZZZ			21:23																
ZZZZZZ			21:28																
ZZZZZZ			21:34																
ZZZZZZ			21:39																
ZZZZZZ			21:45																
ZZZZZZ			21:50																
ZZZZZZ			21:55																
ZZZZZZ			22:01																
ZZZZZZ			22:06																
ZZZZZZ			22:12																
ZZZZZZ			22:17																
ZZZZZZ			22:23																
ZZZZZZ			22:28																
ZZZZZZ			22:34																
ZZZZZZ			22:39																
ZZZZZZ			22:45																
ZZZZZZ			22:50																
ZZZZZZ			22:55																
ZZZZZZ			23:01																
ZZZZZZ			23:06																
ZZZZZZ			23:12																
ZZZZZZ			23:17																
ZZZZZZ			23:23																
ZZZZZZ			23:28																
ZZZZZZ			23:34																
ZZZZZZ			23:39																
ZZZZZZ			23:44																
ZZZZZZ			23:50																
ZZZZZZ			23:55																
ZZZZZZ			00:01																
ZZZZZZ			00:06																
ZZZZZZ			00:12																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPE Method: 200.7 Rev 4.4

Start Date: 03/30/2013 08:46 End Date: 03/31/2013 06:36

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			00:17																
ZZZZZZ			00:23																
ZZZZZZ			00:28																
ZZZZZZ			00:34																
ZZZZZZ			00:39																
ZZZZZZ			00:45																
ZZZZZZ			00:50																
ZZZZZZ			00:56																
ZZZZZZ			01:01																
ZZZZZZ			01:07																
ZZZZZZ			01:12																
ZZZZZZ			01:18																
ZZZZZZ			01:23																
ZZZZZZ			01:29																
ZZZZZZ			01:34																
ZZZZZZ			01:40																
ZZZZZZ			01:45																
ZZZZZZ			01:50																
ZZZZZZ			01:56																
ZZZZZZ			02:01																
ZZZZZZ			02:07																
ZZZZZZ			02:12																
ZZZZZZ			02:18																
ZZZZZZ			02:23																
ZZZZZZ			02:29																
ZZZZZZ			02:34																
ZZZZZZ			02:40																
ZZZZZZ			02:45																
ZZZZZZ			02:51																
ZZZZZZ			02:56																
ZZZZZZ			03:02																
ZZZZZZ			03:07																
ZZZZZZ			03:13																
ZZZZZZ			03:18																
ZZZZZZ			03:23																
ZZZZZZ			03:29																
ZZZZZZ			03:34																
ZZZZZZ			03:40																
ZZZZZZ			03:45																
ZZZZZZ			03:51																
ZZZZZZ			03:56																
ZZZZZZ			04:02																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPE Method: 200.7 Rev 4.4

Start Date: 03/30/2013 08:46 End Date: 03/31/2013 06:36

Lab Sample ID	D / F	T y p e	Time	Analytes																
				A g	A s	B a	C d	C r	P b	S e										
ZZZZZZ			04:07																	
ZZZZZZ			04:13																	
ZZZZZZ			04:18																	
ZZZZZZ			04:24																	
ZZZZZZ			04:29																	
ZZZZZZ			04:35																	
ZZZZZZ			04:40																	
ZZZZZZ			04:45																	
ZZZZZZ			04:51																	
ZZZZZZ			04:56																	
ZZZZZZ			05:02																	
ZZZZZZ			05:08																	
ZZZZZZ			05:13																	
ZZZZZZ			05:19																	
ZZZZZZ			05:24																	
ZZZZZZ			05:30																	
ZZZZZZ			05:35																	
ZZZZZZ			05:41																	
ZZZZZZ			05:46																	
ZZZZZZ			05:52																	
ZZZZZZ			05:57																	
ZZZZZZ			06:03																	
ZZZZZZ			06:08																	
ZZZZZZ			06:14																	
ZZZZZZ			06:19																	
ZZZZZZ			06:25																	
ZZZZZZ			06:30																	
ZZZZZZ			06:36																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPF Method: 6010C

Start Date: 04/02/2013 13:18 End Date: 04/03/2013 05:52

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			13:18																
ZZZZZZ			13:23																
ZZZZZZ			13:29																
ICV 680-271678/4	1		13:34	X	X	X	X	X	X	X									
ICBIS 680-271678/5	1		13:39	X	X	X	X	X	X	X									
CRI 680-271678/6	1		13:52	X	X	X	X	X	X	X									
ICSA 680-271678/7	1		13:57	X	X	X	X	X	X	X									
ICSAB 680-271678/8	1		14:03	X	X	X	X	X	X	X									
ZZZZZZ			14:08																
ZZZZZZ			14:14																
ZZZZZZ			14:19																
CCV 680-271678/12			14:25																
CCB 680-271678/13			14:30																
CCV 680-271678/14			15:11																
CCB 680-271678/15			15:16																
ZZZZZZ			15:22																
ZZZZZZ			15:27																
ZZZZZZ			15:33																
ZZZZZZ			15:38																
ZZZZZZ			15:43																
ZZZZZZ			15:49																
ZZZZZZ			15:54																
ZZZZZZ			16:00																
ZZZZZZ			16:05																
ZZZZZZ			16:11																
CCV 680-271678/26			16:16																
CCB 680-271678/27			16:22																
ZZZZZZ			16:27																
ZZZZZZ			16:32																
ZZZZZZ			16:38																
ZZZZZZ			16:43																
ZZZZZZ			16:49																
ZZZZZZ			16:54																
ZZZZZZ			17:00																
ZZZZZZ			17:05																
ZZZZZZ			17:11																
ZZZZZZ			17:16																
CCV 680-271678/38			17:21																
CCB 680-271678/39			17:27																
ZZZZZZ			17:32																
ZZZZZZ			17:38																
ZZZZZZ			17:43																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPF Method: 6010C

Start Date: 04/02/2013 13:18 End Date: 04/03/2013 05:52

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			17:49																
ZZZZZZ			17:55																
ZZZZZZ			18:01																
CCV 680-271678/46			18:06																
CCB 680-271678/47			18:12																
ZZZZZZ			18:17																
ZZZZZZ			18:22																
ZZZZZZ			18:28																
ZZZZZZ			18:33																
ZZZZZZ			18:39																
ZZZZZZ			18:46																
ZZZZZZ			18:51																
ZZZZZZ			18:57																
ZZZZZZ			19:02																
ZZZZZZ			19:07																
CCV 680-271678/58			19:13																
CCB 680-271678/59			19:18																
ZZZZZZ			19:24																
ZZZZZZ			19:29																
ZZZZZZ			19:35																
ZZZZZZ			19:40																
ZZZZZZ			19:46																
ZZZZZZ			19:51																
ZZZZZZ			19:56																
ZZZZZZ			20:02																
ZZZZZZ			20:07																
ZZZZZZ			20:13																
CCV 680-271678/70	1		20:18	X	X	X	X	X	X	X									
CCB 680-271678/71	1		20:24	X	X	X	X	X	X	X									
ZZZZZZ			20:29																
ZZZZZZ			20:35																
ZZZZZZ			20:40																
ZZZZZZ			20:46																
MB 680-271166/1-A	1	T	20:51	X	X	X	X	X	X	X									
ZZZZZZ			20:56																
LCS 680-271166/3-A	1	T	21:02	X	X	X	X	X	X	X									
680-88766-6	1	T	21:07	X	X	X	X	X	X	X									
680-88766-6 SD	5	T	21:13	X	X	X	X	X	X	X									
680-88766-6 PDS	1	T	21:18	X	X	X	X	X	X	X									
CCV 680-271678/82	1		21:24	X	X	X	X	X	X	X									
CCB 680-271678/83	1		21:29	X	X	X	X	X	X	X									
680-88766-6 MS	1	T	21:35	X	X	X	X	X	X	X									

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPF Method: 6010C

Start Date: 04/02/2013 13:18 End Date: 04/03/2013 05:52

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A g	A s	B a	C d	C r	P b	S e											
680-88766-6 MSD	1	T	21:40	X	X	X	X	X	X	X											
680-88766-12	1	T	21:46	X	X	X	X	X	X	X											
680-88766-13	1	T	21:51	X	X	X	X	X	X	X											
680-88766-22	1	T	21:56	X	X	X	X	X	X	X											
ZZZZZZ			22:02																		
ZZZZZZ			22:07																		
ZZZZZZ			22:13																		
ZZZZZZ			22:18																		
ZZZZZZ			22:24																		
CCV 680-271678/94	1		22:29	X	X	X	X	X	X	X											
CCB 680-271678/95	1		22:35	X	X	X	X	X	X	X											
ZZZZZZ			22:40																		
ZZZZZZ			22:46																		
ZZZZZZ			22:51																		
ZZZZZZ			22:56																		
ZZZZZZ			23:02																		
ZZZZZZ			23:07																		
ZZZZZZ			23:13																		
ZZZZZZ			23:18																		
ZZZZZZ			23:24																		
ZZZZZZ			23:29																		
CCV 680-271678/106			23:35																		
CCB 680-271678/107			23:40																		
ZZZZZZ			23:46																		
ZZZZZZ			23:51																		
ZZZZZZ			23:57																		
ZZZZZZ			00:02																		
ZZZZZZ			00:07																		
ZZZZZZ			00:13																		
ZZZZZZ			00:18																		
ZZZZZZ			00:24																		
ZZZZZZ			00:29																		
ZZZZZZ			00:35																		
CCV 680-271678/118			00:40																		
CCB 680-271678/119			00:46																		
ZZZZZZ			00:51																		
ZZZZZZ			00:57																		
ZZZZZZ			01:02																		
ZZZZZZ			01:08																		
ZZZZZZ			01:13																		
ZZZZZZ			01:18																		
ZZZZZZ			01:24																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPF Method: 6010C

Start Date: 04/02/2013 13:18 End Date: 04/03/2013 05:52

Lab Sample ID	D / F	T y p e	Time	Analytes															
				A g	A s	B a	C d	C r	P b	S e									
ZZZZZZ			01:29																
ZZZZZZ			01:35																
ZZZZZZ			01:40																
CCV 680-271678/130			01:46																
CCB 680-271678/131			01:51																
ZZZZZZ			01:57																
ZZZZZZ			02:02																
ZZZZZZ			02:08																
ZZZZZZ			02:13																
ZZZZZZ			02:19																
ZZZZZZ			02:24																
ZZZZZZ			02:30																
ZZZZZZ			02:35																
ZZZZZZ			02:41																
ZZZZZZ			02:46																
CCV 680-271678/142			02:52																
CCB 680-271678/143			02:57																
ZZZZZZ			03:03																
ZZZZZZ			03:08																
ZZZZZZ			03:13																
ZZZZZZ			03:19																
ZZZZZZ			03:24																
ZZZZZZ			03:30																
ZZZZZZ			03:35																
ZZZZZZ			03:41																
ZZZZZZ			03:46																
ZZZZZZ			03:52																
CCV 680-271678/154			03:57																
CCB 680-271678/155			04:03																
ZZZZZZ			04:08																
ZZZZZZ			04:14																
ZZZZZZ			04:19																
ZZZZZZ			04:25																
ZZZZZZ			04:30																
ZZZZZZ			04:36																
ZZZZZZ			04:41																
ZZZZZZ			04:47																
ZZZZZZ			04:52																
ZZZZZZ			04:58																
CCV 680-271678/166			05:03																
CCB 680-271678/167			05:09																
ZZZZZZ			05:14																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: ICPF Method: 6010C

Start Date: 04/02/2013 13:18 End Date: 04/03/2013 05:52

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				A g	A s	B a	C d	C r	P b	S e											
ZZZZZZ			05:20																		
ZZZZZZ			05:25																		
ZZZZZZ			05:31																		
ZZZZZZ			05:36																		
CRI 680-271678/173			05:41																		
CCV 680-271678/174			05:47																		
CCB 680-271678/175			05:52																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: LEEMAN2 Method: 245.1

Start Date: 04/02/2013 12:32 End Date: 04/02/2013 18:33

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 680-271376/12-A			12:32	X																	
IC 680-271376/13-A			12:35	X																	
IC 680-271376/14-A			12:37	X																	
IC 680-271376/15-A			12:40	X																	
IC 680-271376/16-A			12:42	X																	
IC 680-271376/17-A			12:44	X																	
ICV 680-271376/22-A	1		12:47	X																	
ICB 680-271376/23-A	1		12:49	X																	
CRA 680-271376/24-A	1		12:52	X																	
CCV 680-271376/19-A			12:54																		
CCB 680-271376/20-A			12:57																		
ZZZZZZ			12:59																		
ZZZZZZ			13:01																		
ZZZZZZ			13:04																		
ZZZZZZ			13:06																		
ZZZZZZ			13:09																		
ZZZZZZ			13:11																		
ZZZZZZ			13:14																		
ZZZZZZ			13:16																		
ZZZZZZ			13:19																		
ZZZZZZ			13:21																		
CCV 680-271376/19-A	1		13:23	X																	
CCB 680-271376/20-A	1		13:26	X																	
ZZZZZZ			13:28																		
MB 680-271376/1-A	1	T	13:31	X																	
LCS 680-271376/2-A	1	T	13:33	X																	
ZZZZZZ			13:36																		
ZZZZZZ			13:38																		
680-88851-B-1-D MS	1	T	13:41	X																	
680-88851-B-1-E MSD	1	T	13:43	X																	
680-88766-23	1	T	13:45	X																	
ZZZZZZ			13:48																		
ZZZZZZ			13:50																		
CCV 680-271376/19-A	1		13:53	X																	
CCB 680-271376/20-A	1		13:55	X																	
ZZZZZZ			13:58																		
ZZZZZZ			14:00																		
ZZZZZZ			14:03																		
ZZZZZZ			14:05																		
ZZZZZZ			14:08																		
ZZZZZZ			14:10																		
ZZZZZZ			14:12																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: LEEMAN2 Method: 245.1

Start Date: 04/02/2013 12:32 End Date: 04/02/2013 18:33

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			14:15																
ZZZZZZ			14:17																
ZZZZZZ			14:20																
CCV 680-271376/19-A			14:22																
CCB 680-271376/20-A			14:25																
ZZZZZZ			14:27																
ZZZZZZ			14:30																
ZZZZZZ			14:32																
ZZZZZZ			14:34																
ZZZZZZ			14:37																
ZZZZZZ			14:39																
ZZZZZZ			14:42																
ZZZZZZ			14:44																
ZZZZZZ			14:47																
ZZZZZZ			14:49																
CCV 680-271376/19-A			14:52																
CCB 680-271376/20-A			14:54																
ZZZZZZ			14:57																
ZZZZZZ			14:59																
ZZZZZZ			15:02																
ZZZZZZ			15:04																
ZZZZZZ			15:06																
ZZZZZZ			15:09																
ZZZZZZ			15:11																
ZZZZZZ			15:14																
ZZZZZZ			15:16																
ZZZZZZ			15:19																
CCV 680-271376/19-A			15:21																
CCB 680-271376/20-A			15:24																
ZZZZZZ			15:26																
ZZZZZZ			15:28																
ZZZZZZ			15:31																
ZZZZZZ			15:33																
ZZZZZZ			15:36																
ZZZZZZ			15:38																
ZZZZZZ			15:41																
ZZZZZZ			15:43																
ZZZZZZ			15:46																
ZZZZZZ			15:48																
CCV 680-271376/19-A			15:50																
CCB 680-271376/20-A			15:53																
ZZZZZZ			15:55																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: LEEMAN2 Method: 245.1

Start Date: 04/02/2013 12:32 End Date: 04/02/2013 18:33

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			15:58																
ZZZZZZ			16:00																
ZZZZZZ			16:03																
ZZZZZZ			16:05																
ZZZZZZ			16:08																
ZZZZZZ			16:10																
ZZZZZZ			16:12																
ZZZZZZ			16:15																
ZZZZZZ			16:17																
CCV 680-271376/19-A			16:20																
CCB 680-271376/20-A			16:22																
ZZZZZZ			16:25																
ZZZZZZ			16:27																
ZZZZZZ			16:30																
ZZZZZZ			16:32																
ZZZZZZ			16:35																
ZZZZZZ			16:37																
ZZZZZZ			16:39																
ZZZZZZ			16:42																
ZZZZZZ			16:44																
ZZZZZZ			16:47																
CCV 680-271376/19-A			16:49																
CCB 680-271376/20-A			16:52																
ZZZZZZ			16:54																
ZZZZZZ			16:57																
ZZZZZZ			16:59																
ZZZZZZ			17:02																
ZZZZZZ			17:04																
ZZZZZZ			17:07																
ZZZZZZ			17:09																
ZZZZZZ			17:11																
ZZZZZZ			17:14																
ZZZZZZ			17:16																
CCV 680-271376/19-A			17:19																
CCB 680-271376/20-A			17:21																
ZZZZZZ			17:24																
ZZZZZZ			17:26																
ZZZZZZ			17:29																
ZZZZZZ			17:31																
ZZZZZZ			17:34																
ZZZZZZ			17:36																
ZZZZZZ			17:39																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: LEEMAN2 Method: 245.1

Start Date: 04/02/2013 12:32 End Date: 04/02/2013 18:33

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			17:41																		
ZZZZZZ			17:44																		
ZZZZZZ			17:46																		
CCV 680-271376/19-A			17:49																		
CCB 680-271376/20-A			17:51																		
ZZZZZZ			17:53																		
ZZZZZZ			17:56																		
ZZZZZZ			17:58																		
ZZZZZZ			18:01																		
ZZZZZZ			18:03																		
ZZZZZZ			18:06																		
ZZZZZZ			18:08																		
ZZZZZZ			18:11																		
ZZZZZZ			18:13																		
ZZZZZZ			18:16																		
CCV 680-271376/19-A			18:18																		
CCB 680-271376/20-A			18:21																		
ZZZZZZ			18:23																		
ZZZZZZ			18:26																		
ZZZZZZ			18:28																		
CCV 680-271376/19-A			18:31																		
CCB 680-271376/20-A			18:33																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/29/2013 15:46 End Date: 03/30/2013 07:49

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
IC 680-271158/24-A			15:46	X																	
IC 680-271158/25-A			15:49	X																	
IC 680-271158/26-A			15:51	X																	
IC 680-271158/27-A			15:54	X																	
IC 680-271158/28-A			15:56	X																	
IC 680-271158/29-A			15:59	X																	
ICV 680-271158/34-A	1		16:01	X																	
ICB 680-271158/35-A	1		16:04	X																	
CRA 680-271158/36-A	1		16:06	X																	
CCV 680-271158/31-A			16:08																		
CCB 680-271158/32-A			16:11																		
ZZZZZZ			16:13																		
ZZZZZZ			16:16																		
ZZZZZZ			16:18																		
ZZZZZZ			16:21																		
ZZZZZZ			16:23																		
ZZZZZZ			16:25																		
ZZZZZZ			16:28																		
ZZZZZZ			16:30																		
ZZZZZZ			16:33																		
ZZZZZZ			16:35																		
CCV 680-271158/31-A			16:38																		
CCB 680-271158/32-A			16:40																		
ZZZZZZ			16:42																		
ZZZZZZ			16:45																		
ZZZZZZ			16:47																		
ZZZZZZ			16:50																		
ZZZZZZ			16:52																		
ZZZZZZ			16:55																		
ZZZZZZ			16:57																		
ZZZZZZ			17:00																		
ZZZZZZ			17:02																		
ZZZZZZ			17:05																		
CCV 680-271158/31-A	1		17:07	X																	
CCB 680-271158/32-A	1		17:09	X																	
ZZZZZZ			17:12																		
ZZZZZZ			17:14																		
ZZZZZZ			17:17																		
MB 680-271188/1-A	1	T	17:19	X																	
LCS 680-271188/2-A	1	T	17:22	X																	
ZZZZZZ			17:24																		
ZZZZZZ			17:27																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Savannah Job No.: 680-88766-3

SDG No.: 68088766-3

Instrument ID: LEEMAN2 Method: 7471B

Start Date: 03/29/2013 15:46 End Date: 03/30/2013 07:49

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ZZZZZZ			17:29																
ZZZZZZ			17:31																
680-88766-6	1	T	17:34	X															
CCV 680-271158/31-A	1		17:36	X															
CCB 680-271158/32-A	1		17:39	X															
680-88766-6 MS	1	T	17:41	X															
680-88766-6 MSD	1	T	17:44	X															
680-88766-12	1	T	17:46	X															
680-88766-13	1	T	17:49	X															
680-88766-22	1	T	17:51	X															
ZZZZZZ			17:54																
ZZZZZZ			17:56																
ZZZZZZ			17:58																
ZZZZZZ			18:01																
ZZZZZZ			18:03																
CCV 680-271158/31-A	1		18:06	X															
CCB 680-271158/32-A	1		18:08	X															
ZZZZZZ			18:11																
ZZZZZZ			18:13																
ZZZZZZ			18:16																
ZZZZZZ			18:18																
ZZZZZZ			18:20																
ZZZZZZ			18:23																
ZZZZZZ			18:25																
ZZZZZZ			18:28																
CCV 680-271158/31-A			18:30																
CCB 680-271158/32-A			18:33																
CCV 680-271158/31-A			07:36																
CCB 680-271158/32-A			07:39																
ZZZZZZ			07:41																
ZZZZZZ			07:44																
CCV 680-271158/31-A			07:46																
CCB 680-271158/32-A			07:49																

Prep Types

T = Total/NA

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Blank (Blk)	3/30/2013, 8:46:34 AM			Rack S, Tube 1
Label	Replicates Concentration			
Ag 328.068	0.0929	0.5747	-0.6676	
Al 308.215	-1.2751	-0.9406	2.2156	
As 188.980	-1.5879	-1.1450	2.7328	
B 249.678	1.1658	0.3295	-1.4953	
Ba 389.178	0.2113	-0.1187	-0.0926	
Be 313.042	0.0038	-0.0013	-0.0025	
Ca 370.602	-4.715	5.293	-0.5787	
Cd 226.502	0.2666	-0.1560	-0.1106	
Co 228.615	-0.2207	0.1185	0.1021	
Cr 267.716	-0.0377	-0.1819	0.2196	
Cu 324.754	-0.4220	0.1717	0.2504	
Fe 271.441	4.7723	-2.0154	-2.7569	
K 766.491	0.0913	0.1602	-0.2515	
Mg 279.078	-1.3196	-0.2799	1.5995	
Mn 257.610	0.0035	0.0125	-0.0160	
Mo 202.032	0.4979	-0.0502	-0.4477	
Na 330.237	131.027	-162.142	31.1150	
Ni 231.604	0.2045	-0.3446	0.1401	
Pb 220.353	-1.0053	-2.5446	3.5498	
Sb 206.834	1.1479	5.1218	-6.2697	
Se 196.026	0.8189	2.3039	-3.1228	
Sn 189.925	-0.2926	-0.7282	1.0208	
Sr 216.596	-0.4855	0.2641	0.2214	
Ti 334.941	-0.0024	0.0713	-0.0689	
Tl 190.794	1.5618	-0.0008	-1.5610	
V 292.401	-0.2943	-0.3069	0.6011	
Zn 206.200	-0.6153	0.9640	-0.3487	

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	39.953	52.7	-75.8359
Al 308.215	0.0000	ppb	8.786	7.1	124.487
As 188.980	0.0000	ppb	1.537	104.0	1.4782
B 249.678	0.0000	ppb	12.769	5.2	245.348
Ba 389.178	0.0000	ppb	3.727	21.9	-17.0404
Be 313.042	0.0000	ppb	6.257	4.3	-147.194
Ca 370.602	0.0000	ppb	14.320	72.7	-19.68
Cd 226.502	0.0000	ppb	7.788	53.3	14.6147
Co 228.615	0.0000	ppb	2.023	14.3	14.0982
Cr 267.716	0.0000	ppb	7.961	178.6	4.4571
Cu 324.754	0.0000	ppb	16.155	18.9	85.6997
Fe 271.441	0.0000	ppb	6.572	68.5	9.5914
K 766.491	0.0000	ppb	9.314	4.1	225.125
Mg 279.078	0.0000	ppb	2.955	9.6	30.6482
Mn 257.610	0.0000	ppb	3.114	4.6	67.5821
Mo 202.032	0.0000	ppb	2.740	18.3	14.9474
Na 330.237	0.0000	ppb	7.164	211.2	3.3928
Ni 231.604	0.0000	ppb	0.726	30.7	2.3627
Pb 220.353	0.0000	ppb	4.622	101.6	4.5506
Sb 206.834	0.0000	ppb	4.311	506.9	0.8504
Se 196.026	0.0000	ppb	1.305	179.7	-0.7259
Sn 189.925	0.0000	ppb	0.624	51.0	-1.2235
Sr 216.596	0.0000	ppb	3.606	33.0	10.9306
Ti 334.941	0.0000	ppb	15.611	48.0	-32.5070
Tl 190.794	0.0000	ppb	1.388	41.2	-3.3723
V 292.401	0.0000	ppb	13.082	162.8	8.0357
Zn 206.200	0.0000	ppb	1.272	63.6	2.0001

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

HIGH STD (Std)	3/30/2013, 8:52:00 AM	Rack S, Tube 2

Label	Replicates Concentration		
Ag 328.068	997.458	1004.53	998.015
Al 308.215	10007.8	10007.9	9984.35
As 188.980	996.213	998.293	1005.49
B 249.678	4968.45	5003.25	5028.30
Ba 389.178	10015.0	10012.4	9972.60
Be 313.042	1002.56	1000.36	997.076
Ca 370.602	10012	10012	9976
Cd 226.502	1000.51	1001.42	998.074
Co 228.615	1001.61	1001.82	996.574
Cr 267.716	10009.7	10002.5	9987.79
Cu 324.754	10127.3	10114.8	9757.93
Fe 271.441	10038.3	9997.46	9964.24
K 766.491	20098.0	20022.1	19879.9
Mg 279.078	10008.6	10017.2	9974.30
Mn 257.610	10017.2	10024.7	9958.15
Mo 202.032	1001.44	998.487	1000.07
Na 330.237	15212.6	14852.2	14935.2
Ni 231.604	4993.17	5007.07	4999.76
Pb 220.353	998.932	1001.95	999.117
Sb 206.834	5006.79	4983.76	5009.44
Se 196.026	9995.58	10042.0	9962.39
Sn 189.925	10027.8	10063.1	9909.10
Sr 216.596	5002.00	4999.63	4998.37
Ti 334.941	1002.24	999.564	998.195
Tl 190.794	10005.9	10009.4	9984.62
V 292.401	10035.4	10015.8	9948.81
Zn 206.200	4997.57	5011.61	4990.82

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	250.740	0.4	63714.6
Al 308.215	10000.0	ppb	61.835	0.1	45741.3
As 188.980	1000.00	ppb	3.149	0.5	647.980
B 249.678	5000.00	ppb	282.020	0.6	47162.1
Ba 389.178	10000.0	ppb	482.772	0.2	203152
Be 313.042	1000.00	ppb	5197.402	0.3	1882634
Ca 370.602	10000	ppb	60.374	0.2	28455
Cd 226.502	1000.00	ppb	58.028	0.2	33584.8
Co 228.615	1000.00	ppb	31.395	0.3	10590.1
Cr 267.716	10000.0	ppb	436.975	0.1	391411
Cu 324.754	10000.0	ppb	9216.816	2.1	439540
Fe 271.441	10000.0	ppb	58.750	0.4	15848.4
K 766.491	20000.0	ppb	4677.575	0.6	844942
Mg 279.078	10000.0	ppb	45.288	0.2	20005.7
Mn 257.610	10000.0	ppb	7789.750	0.4	2138096
Mo 202.032	1000.00	ppb	8.530	0.1	5786.18
Na 330.237	15000.0	ppb	9.073	1.3	724.399
Ni 231.604	5000.00	ppb	16.824	0.1	12101.6
Pb 220.353	1000.00	ppb	2.469	0.2	1463.13
Sb 206.834	5000.00	ppb	10.531	0.3	3728.61
Se 196.026	10000.0	ppb	18.608	0.4	4650.75
Sn 189.925	10000.0	ppb	55.306	0.8	6854.64
Sr 216.596	5000.00	ppb	15.808	0.0	42839.7
Ti 334.941	1000.00	ppb	458.248	0.2	222581
Tl 190.794	10000.0	ppb	11.945	0.1	8886.24
V 292.401	10000.0	ppb	1140.986	0.5	251281
Zn 206.200	5000.00	ppb	15.952	0.2	7521.86

Ag 328.068 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-75.8359	0.0000	0.0000	-	-
HIGH STD		63714.6	1000.00	1000.00	0.0000	0.0

Curve Type: Linear

Equation: $y = 63.8 x + -75.8$ **Al 308.215 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		124.487	0.0000	0.0000	-	-
HIGH STD		45741.3	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 4.6 x + 124.5$ **As 188.980 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.4782	0.0000	0.0000	-	-
HIGH STD		647.980	1000.00	1000.00	0.0001	0.0

Curve Type: Linear

Equation: $y = 0.6 x + 1.5$ **B 249.678 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		245.348	0.0000	0.0000	-	-
HIGH STD		47162.1	5000.00	5000.00	0.0000	0.0

Curve Type: Linear

Equation: $y = 9.4 x + 245.3$ **Ba 389.178 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-17.0404	0.0000	0.0000	-	-
HIGH STD		203152	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 20.3 x + -17.0$ **Be 313.042 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-147.194	0.0000	0.0000	-	-
HIGH STD		1882634	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear

Equation: $y = 1882.8 x + -147.2$ **Ca 370.602 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-19.68	0.0000	0.0000	-	-
HIGH STD		28455	10000	10000	0.0000	0.0

Curve Type: Linear

Equation: $y = 2.8 x + -19.7$

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cd 226.502 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		14.6147	0.0000	0.0000	-	-
HIGH STD		33584.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 33.6 x + 14.6$ **Co 228.615 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		14.0982	0.0000	0.0000	-	-
HIGH STD		10590.1	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 10.6 x + 14.1$ **Cr 267.716 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.4571	0.0000	0.0000	-	-
HIGH STD		391411	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 39.1 x + 4.5$ **Cu 324.754 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		85.6997	0.0000	0.0000	-	-
HIGH STD		439540	10000.0	10000.00	-0.0010	0.0

Curve Type: Linear Equation: $y = 43.9 x + 85.7$ **Fe 271.441 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		9.5914	0.0000	0.0000	-	-
HIGH STD		15848.4	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 1.6 x + 9.6$ **K 766.491 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		225.125	0.0000	0.0000	-	-
HIGH STD		844942	20000.0	20000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 42.2 x + 225.1$ **Mg 279.078 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		30.6482	0.0000	0.0000	-	-
HIGH STD		20005.7	10000.0	10000.0	0.0010	0.0

Curve Type: Linear Equation: $y = 2.0 x + 30.6$

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Mn 257.610 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		67.5821	0.0000	0.0000	-	-
HIGH STD		2138096	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 213.8 x + 67.6$ **Mo 202.032 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		14.9474	0.0000	0.0000	-	-
HIGH STD		5786.18	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 5.8 x + 14.9$ **Na 330.237 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.3928	0.0000	0.0000	-	-
HIGH STD		724.399	15000.0	15000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.0 x + 3.4$ **Ni 231.604 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.3627	0.0000	0.0000	-	-
HIGH STD		12101.6	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 2.4 x + 2.4$ **Pb 220.353 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.5506	0.0000	0.0000	-	-
HIGH STD		1463.13	1000.00	1000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.5 x + 4.6$ **Sb 206.834 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		0.8504	0.0000	0.0000	-	-
HIGH STD		3728.61	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 0.7 x + 0.9$ **Se 196.026 Calibration (ppb) 3/30/2013, 8:52:00 AM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-0.7259	0.0000	0.0000	-	-
HIGH STD		4650.75	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.5 x + -0.7$

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Sn 189.925 Calibration (ppb) 3/30/2013, 8:52:00 AM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.2235	0.0000	0.0000	-	-
HIGH STD		6854.64	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.7 x + -1.2$ **Sr 216.596 Calibration (ppb)** 3/30/2013, 8:52:00 AM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		10.9306	0.0000	0.0000	-	-
HIGH STD		42839.7	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear Equation: $y = 8.6 x + 10.9$ **Ti 334.941 Calibration (ppb)** 3/30/2013, 8:52:00 AM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-32.5070	0.0000	0.0000	-	-
HIGH STD		222581	1000.00	1000.00	0.0002	0.0

Curve Type: Linear Equation: $y = 222.6 x + -32.5$ **Tl 190.794 Calibration (ppb)** 3/30/2013, 8:52:00 AM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-3.3723	0.0000	0.0000	-	-
HIGH STD		8886.24	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 0.9 x + -3.4$ **V 292.401 Calibration (ppb)** 3/30/2013, 8:52:00 AM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		8.0357	0.0000	0.0000	-	-
HIGH STD		251281	10000.0	10000.0	0.0000	0.0

Curve Type: Linear Equation: $y = 25.1 x + 8.0$ **Zn 206.200 Calibration (ppb)** 3/30/2013, 8:52:00 AM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.0001	0.0000	0.0000	-	-
HIGH STD		7521.86	5000.00	5000.00	0.0000	0.0

Curve Type: Linear Equation: $y = 1.5 x + 2.0$ **Lab Control Sample (LCS)** 3/30/2013, 8:57:24 AM **Rack S, Tube 2****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	980.832	999.612	1003.06
Al 308.215	9967.32	9979.87	10021.6
As 188.980	1004.03	997.485	1003.52
B 249.678	5079.09x	5105.96x	5151.68x
Ba 389.178	9973.59	9964.67	9999.78

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Label	Replicates Concentration		
Be 313.042	996.892	997.013	1001.69
Ca 370.602	9964	9958	10040
Cd 226.502	998.965	997.203	1000.70
Co 228.615	997.725	995.850	998.683
Cr 267.716	9947.25	9997.20	10062.8x
Cu 324.754	10127.2	10112.9	10034.2
Fe 271.441	9973.72	9939.39	9986.74
K 766.491	20033.3	19910.5	19987.8
Mg 279.078	9964.37	9977.39	10026.6
Mn 257.610	9981.19	10008.2	10040.7
Mo 202.032	995.522	1000.62	1009.80x
Na 330.237	14803.8	14893.6	14993.3
Ni 231.604	4980.90	4996.63	5011.31
Pb 220.353	1001.05	996.570	994.456
Sb 206.834	4984.95x	4989.08x	5038.16x
Se 196.026	10006.0	10007.1	10016.9
Sn 189.925	9851.92	9959.05	10001.3
Sr 216.596	4974.30	5005.34	5037.43x
Ti 334.941	996.248	999.256	1003.74
Tl 190.794	9970.18	9978.60	10040.0
V 292.401	9986.84	9977.16	10012.1
Zn 206.200	4987.81	4988.80	5018.68

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	994.500b	ppb	11.9616	1.2	63263.3	99.44997
Al 308.215	9989.59b	ppb	28.4092	0.3	45657.7	99.89594
As 188.980	1001.68b	ppb	3.6418	0.4	648.768	100.16798
B 249.678	5112.25xb	ppb	36.7011	0.7	48205.9	102.24493
Ba 389.178	9979.35b	ppb	18.2534	0.2	202792	99.79346
Be 313.042	998.532b	ppb	2.7359	0.3	1879351	99.85317
Ca 370.602	9987b	ppb	45.68	0.5	28186	99.87373
Cd 226.502	998.955b	ppb	1.7479	0.2	33571.8	99.89555
Co 228.615	997.419b	ppb	1.4410	0.1	10578.8	99.74194
Cr 267.716	10002.4xb	ppb	57.9624	0.6	391459	100.02421
Cu 324.754	10091.4b	ppb	50.1219	0.5	443497	100.91437
Fe 271.441	9966.61b	ppb	24.4606	0.2	16025.3	99.66613
K 766.491	19977.2b	ppb	62.0633	0.3	843979	99.88610
Mg 279.078	9989.44b	ppb	32.7981	0.3	19831.6	99.89439
Mn 257.610	10010.0b	ppb	29.7796	0.3	2140315	100.10007
Mo 202.032	1001.98xb	ppb	7.2365	0.7	5782.23	100.19820
Na 330.237	14896.9b	ppb	94.8136	0.6	674.711	99.31264
Ni 231.604	4996.28b	ppb	15.2059	0.3	12092.8	99.92561
Pb 220.353	997.359b	ppb	3.3667	0.3	1459.09	99.73586
Sb 206.834	5004.06xb	ppb	29.5987	0.6	3802.02	100.08129
Se 196.026	10010.0b	ppb	5.9992	0.1	4657.79	100.10005
Sn 189.925	9937.44b	ppb	77.0201	0.8	6811.75	99.37436
Sr 216.596	5005.69xb	ppb	31.5649	0.6	42796.3	100.11386
Ti 334.941	999.748b	ppb	3.7704	0.4	222561	99.97484
Tl 190.794	9996.25b	ppb	38.0967	0.4	8873.92	99.96250
V 292.401	9992.04b	ppb	18.0491	0.2	250354	99.92040
Zn 206.200	4998.43b	ppb	17.5431	0.4	7490.05	99.96861

Initial Calib Verif (ICV)

3/30/2013, 9:16:46 AM

Rack S, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	979.594	999.796	983.811
Al 308.215	948.646	953.522	956.583

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Label	Replicates Concentration		
As 188.980	935.675	949.621	956.201
B 249.678	1027.36	1038.22	1049.49
Ba 389.178	996.451	1001.42	1006.18
Be 313.042	1001.73x	1006.52x	1011.66x
Ca 370.602	970.8	985.7	985.7
Cd 226.502	1000.57x	1001.17x	1006.53x
Co 228.615	956.070	974.663	973.089
Cr 267.716	982.355	987.150	991.837
Cu 324.754	989.565	1007.79	999.153
Fe 271.441	970.720	980.142	975.237
K 766.491	10050.4	10099.0	10157.7
Mg 279.078	1003.66	1003.27	1007.89
Mn 257.610	1008.50	1012.04	1015.50
Mo 202.032	990.547	996.176	1001.65
Na 330.237	9453.00	9326.05	9979.71
Ni 231.604	1003.12	1005.55	1015.72
Pb 220.353	999.061	1004.59	1004.86
Sb 206.834	956.864	961.407	965.730
Se 196.026	981.027	992.582	994.123
Sn 189.925	4916.66	4928.02	4956.16
Sr 216.596	4950.06	4977.75	4991.27
Ti 334.941	983.885	989.635	995.403
Tl 190.794	1011.28	1010.72	1015.31
V 292.401	998.466	1001.77	1007.06
Zn 206.200	981.268	985.609	989.846

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	987.734b	ppb	10.6567	1.1	62751.7	98.77336
Al 308.215	952.917b	ppb	4.0029	0.4	4562.06	95.29173
As 188.980	947.166b	ppb	10.4810	1.1	613.542	94.71657
B 249.678	1038.36b	ppb	11.0674	1.1	9987.62	103.83584
Ba 389.178	1001.35b	ppb	4.8626	0.5	20337.3	100.13481
Be 313.042	1006.64xb	ppb	4.9620	0.5	1894940	100.66377
Ca 370.602	980.7b	ppb	8.571	0.9	2891	98.07202
Cd 226.502	1002.76xb	ppb	3.2802	0.3	33679.7	100.27571
Co 228.615	967.940b	ppb	10.3106	1.1	10243.6	96.79405
Cr 267.716	987.114b	ppb	4.7413	0.5	38630.5	98.71141
Cu 324.754	998.836b	ppb	9.1158	0.9	43995.6	99.88356
Fe 271.441	975.366b	ppb	4.7123	0.5	1702.72	97.53663
K 766.491	10102.4b	ppb	53.6949	0.5	426907	101.02361
Mg 279.078	1004.94b	ppb	2.5632	0.3	2022.56	100.49380
Mn 257.610	1012.01b	ppb	3.5005	0.3	216448	101.20139
Mo 202.032	996.124b	ppb	5.5513	0.6	5762.27	99.61239
Na 330.237	9586.25b	ppb	346.605	3.6	449.868	95.86252
Ni 231.604	1008.13b	ppb	6.6844	0.7	2441.89	100.81287
Pb 220.353	1002.84b	ppb	3.2728	0.3	1465.54	100.28371
Sb 206.834	961.334b	ppb	4.4338	0.5	721.342	96.13338
Se 196.026	989.244b	ppb	7.1581	0.7	459.660	98.92440
Sn 189.925	4933.61b	ppb	20.3374	0.4	3381.20	98.67229
Sr 216.596	4973.02b	ppb	21.0048	0.4	42566.7	99.46049
Ti 334.941	989.641b	ppb	5.7592	0.6	220279	98.96410
Tl 190.794	1012.44b	ppb	2.5019	0.2	895.789	101.24364
V 292.401	1002.43b	ppb	4.3354	0.4	24976.5	100.24324
Zn 206.200	985.574b	ppb	4.2889	0.4	1481.37	98.55745

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Initial Calib Blank (ICB) 3/30/2013, 9:22:20 AM Rack S, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5041u	-0.4721u	0.0730
Al 308.215	-3.5302u	0.3718	-3.9325u
As 188.980	6.2466	1.9335	-2.5560u
B 249.678	20.7179	17.9750	13.6028
Ba 389.178	-1.7608u	0.0159	-1.0179u
Be 313.042	0.0465	0.0350	0.0312
Ca 370.602	-2.666u	-5.790u	1.760
Cd 226.502	0.1037	-0.1170u	0.0619
Co 228.615	0.5238	-0.6886u	0.3091
Cr 267.716	0.3389	-0.1827u	-0.1042u
Cu 324.754	-0.7114u	0.0235	-0.3886u
Fe 271.441	-6.9647u	2.9473	-3.7143u
K 766.491	-0.2297u	0.4646	0.6256
Mg 279.078	2.2758	1.0180	-2.5464u
Mn 257.610	0.1697	0.0953	0.0840
Mo 202.032	1.6334	1.3515	0.8095
Na 330.237	-160.092u	-85.3264u	-91.4022u
Ni 231.604	-1.3800u	1.5812	0.5225
Pb 220.353	-4.2906u	-1.0684u	-3.3180u
Sb 206.834	-5.5870u	1.4292	2.7049
Se 196.026	3.8267	-0.9830u	5.0937
Sn 189.925	0.1731	-0.7101u	2.1492
Sr 216.596	-0.0320u	0.3027	0.2207
Ti 334.941	0.2683	0.2256	0.1247
Tl 190.794	-1.4846u	6.0885	7.0863
V 292.401	-0.0987u	-0.3178u	0.1696
Zn 206.200	-0.7437u	0.0687	0.6614

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.3010	ppb	0.3244	107.7	-95.0444	-0.30103
Al 308.215	-2.3636	ppb	2.3775	100.6	113.825	-2.36362
As 188.980	1.8747	ppb	4.4016	234.8	2.6899	1.87471
B 249.678	17.4319	ppb	3.5885	20.6	408.917	17.43188
Ba 389.178	-0.9209	ppb	0.8923	96.9	-35.7447	-0.92092
Be 313.042	0.0375	ppb	0.0079	21.2	-76.6745	0.03754
Ca 370.602	-2.232	ppb	3.794	170.0	-26.01	-2.23177
Cd 226.502	0.0162	ppb	0.1172	722.5	15.1598	0.01622
Co 228.615	0.0481	ppb	0.6469	1345.0	14.5786	0.04810
Cr 267.716	0.0173	ppb	0.2812	1623.3	5.1359	0.01732
Cu 324.754	-0.3589	ppb	0.3684	102.7	69.9581	-0.35885
Fe 271.441	-2.5772	ppb	5.0529	196.1	5.4850	-2.57722
K 766.491	0.2869	ppb	0.4546	158.5	237.240	0.28685
Mg 279.078	0.2492	ppb	2.5013	1003.8	31.1448	0.24918
Mn 257.610	0.1164	ppb	0.0466	40.0	92.4629	0.11636
Mo 202.032	1.2648	ppb	0.4187	33.1	22.2471	1.26482
Na 330.237	-112.273	ppb	41.5232	37.0	-2.0051	-112.27343
Ni 231.604	0.2412	ppb	1.5005	622.1	2.9464	0.24119
Pb 220.353	-2.8923	ppb	1.6528	57.1	0.3306	-2.89231
Sb 206.834	-0.4843	ppb	4.4649	921.9	0.4796	-0.48431
Se 196.026	2.6458	ppb	3.2058	121.2	0.5048	2.64579
Sn 189.925	0.5374	ppb	1.4640	272.4	-0.8551	0.53739
Sr 216.596	0.1638	ppb	0.1745	106.5	12.2974	0.16381
Ti 334.941	0.2062	ppb	0.0737	35.7	13.4033	0.20621
Tl 190.794	3.8967	ppb	4.6870	120.3	0.0910	3.89670
V 292.401	-0.0823	ppb	0.2441	296.5	5.7553	-0.08231
Zn 206.200	-0.0045	ppb	0.7054	15548.9	1.9926	-0.00454

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

CRI (CRI) **3/30/2013, 9:27:46 AM** **Rack S, Tube 4**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	11.2464	10.3894	12.0228
Al 308.215	200.881	204.508	209.904
As 188.980	21.1221	18.4404	19.4033
B 249.678	100.189	101.362	102.165
Ba 389.178	9.6681	9.4226	9.5396
Be 313.042	4.1479	4.1713	4.2215
Ca 370.602	502.6	509.2	519.5
Cd 226.502	5.0410	4.9345	5.2331
Co 228.615	9.4894	11.0886	10.1680
Cr 267.716	10.3783	10.3969	10.4086
Cu 324.754	18.9151	20.1883	20.2991
Fe 271.441	51.8899	49.7160	50.5243
K 766.491	1038.97	1051.75	1067.93
Mg 279.078	521.590	522.865	531.592
Mn 257.610	10.4140	10.5966	10.7977
Mo 202.032	9.6319	11.0716	9.9449
Na 330.237	921.830	1121.22	1070.80
Ni 231.604	39.6059	40.9907	42.9440
Pb 220.353	7.0524	10.4040	10.1445
Sb 206.834	23.1119	23.0447	22.1769
Se 196.026	28.8476	17.5329	22.4709
Sn 189.925	51.4400	51.6120	57.3253
Sr 216.596	11.2966	10.7986	10.0375
Ti 334.941	9.8734	10.1912	10.1492
Tl 190.794	30.0800	27.6285	27.7421
V 292.401	9.9650	9.9275	10.3872
Zn 206.200	18.9681	20.5067	18.2676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	11.2195	ppb	0.8170	7.3	639.583	112.19525
Al 308.215	205.098	ppb	4.5404	2.2	1060.99	102.54891
As 188.980	19.6553	ppb	1.3585	6.9	14.1865	98.27626
B 249.678	101.239	ppb	0.9939	1.0	1195.26	101.23862
Ba 389.178	9.5435	ppb	0.1228	1.3	178.188	95.43452
Be 313.042	4.1802	ppb	0.0376	0.9	7721.34	104.50575
Ca 370.602	510.4	ppb	8.547	1.7	1432	102.08499
Cd 226.502	5.0696	ppb	0.1513	3.0	184.919	101.39115
Co 228.615	10.2486	ppb	0.8027	7.8	122.414	102.48643
Cr 267.716	10.3946	ppb	0.0153	0.1	411.271	103.94619
Cu 324.754	19.8008	ppb	0.7691	3.9	956.025	99.00422
Fe 271.441	50.7101	ppb	1.0988	2.2	91.5321	101.42010
K 766.491	1052.88	ppb	14.5122	1.4	44694.5	105.28835
Mg 279.078	525.349	ppb	5.4439	1.0	1079.83	105.06980
Mn 257.610	10.6028	ppb	0.1919	1.8	2337.45	106.02775
Mo 202.032	10.2161	ppb	0.7572	7.4	73.8900	102.16141
Na 330.237	1037.95	ppb	103.674	10.0	53.0636	103.79498
Ni 231.604	41.1802	ppb	1.6771	4.1	102.013	102.95058
Pb 220.353	9.2003	ppb	1.8647	20.3	17.9491	92.00278
Sb 206.834	22.7778	ppb	0.5215	2.3	17.8395	113.88913
Se 196.026	22.9505	ppb	5.6726	24.7	9.9522	114.75232
Sn 189.925	53.4591	ppb	3.3493	6.3	35.4278	106.91821
Sr 216.596	10.7109	ppb	0.6341	5.9	101.888	107.10903
Ti 334.941	10.0712	ppb	0.1726	1.7	2211.32	100.71242
Tl 190.794	28.4835	ppb	1.3837	4.9	21.9377	113.93411
V 292.401	10.0932	ppb	0.2553	2.5	259.407	100.93243
Zn 206.200	19.2475	ppb	1.1454	6.0	20.9171	96.23732

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Interf Check A (ICSA) 3/30/2013, 9:33:12 AM Rack S, Tube 5

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9722u	-0.9938u	-0.0042u
Al 308.215	556560	556250	555438
As 188.980	-10.0498u	-1.8077	4.6484
B 249.678	-15.3678u	-15.7339u	-18.0990u
Ba 389.178	2.1203	1.3962	-0.0451
Be 313.042	-0.1733u	-0.1740u	-0.1740u
Ca 370.602	510693	509763	507874
Cd 226.502	0.0134	0.4022	0.3295
Co 228.615	1.6054	0.2118u	-0.1096u
Cr 267.716	0.9390	0.8508	0.9914
Cu 324.754	1.4835	0.7684	0.5193
Fe 271.441	205098	205208	205055
K 766.491	0.7596	-1.2909u	-0.4607u
Mg 279.078	561501	559964	559357
Mn 257.610	-0.2242	-0.3129	-0.3058
Mo 202.032	1.9464	1.2450u	0.5637u
Na 330.237	-491.812u	-274.003u	-669.675u
Ni 231.604	2.2526	-2.3879u	0.5862
Pb 220.353	-3.5005u	-4.0273u	-2.8261u
Sb 206.834	9.4193	9.1160	-3.0784
Se 196.026	-5.6926u	19.8475	-16.3929u
Sn 189.925	0.6016	-2.3714u	2.1779
Sr 216.596	3.3329	2.6091	3.0998
Ti 334.941	0.1022	0.1463	0.0841
Tl 190.794	-17.5939u	-19.8558u	-18.7545u
V 292.401	-2.9273u	-3.4486u	-2.8941u
Zn 206.200	16.7262	19.8317	18.2483

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.6567	ppb	0.5652	86.1	-124.370	-0.65672
Al 308.215	556083	ppb	579.144	0.1	2536795	-
As 188.980	-2.4031	ppb	7.3672	306.6	2.1916	-2.40306
B 249.678	-16.4002	ppb	1.4825	9.0	-100.323	-16.40024
Ba 389.178	1.1571	ppb	1.1023	95.3	1546.87	1.15712
Be 313.042	-0.1738	ppb	0.0004	0.2	-271.311	-0.17375
Ca 370.602	509443	ppb	1436	0.3	1435703	-
Cd 226.502	0.2483	ppb	0.2067	83.2	477.663	0.24834
Co 228.615	0.5692	ppb	0.9117	160.2	13.9380	0.56918
Cr 267.716	0.9271	ppb	0.0710	7.7	84.6850	0.92706
Cu 324.754	0.9237	ppb	0.5005	54.2	179.657	0.92375
Fe 271.441	205120	ppb	78.6468	0.0	324895	-
K 766.491	-0.3307	ppb	1.0314	311.9	211.159	-0.33066
Mg 279.078	560274	ppb	1104.71	0.2	1119061	-
Mn 257.610	-0.2809	ppb	0.0493	17.5	3552.32	-0.28094
Mo 202.032	1.2517	ppb	0.6914	55.2	14.0002	1.25172
Na 330.237	-478.497	ppb	198.172	41.4	-77.2027	-478.49680
Ni 231.604	0.1503	ppb	2.3507	1564.0	6.8329	0.15030
Pb 220.353	-3.4513	ppb	0.6022	17.4	-9.2750	-3.45129
Sb 206.834	5.1523	ppb	7.1296	138.4	8.1829	5.15230
Se 196.026	-0.7460	ppb	18.6197	2496.0	0.0604	-0.74599
Sn 189.925	0.1360	ppb	2.3101	1698.5	-0.9600	0.13601
Sr 216.596	3.0139	ppb	0.3694	12.3	144.264	3.01393
Ti 334.941	0.1108	ppb	0.0320	28.9	2044.75	0.11085
Tl 190.794	-18.7347	ppb	1.1311	6.0	-29.4042	-18.73475
V 292.401	-3.0900	ppb	0.3110	10.1	-66.8146	-3.08997
Zn 206.200	18.2687	ppb	1.5529	8.5	29.4699	18.26873

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Interf Check AB (ICSAB) 3/30/2013, 9:38:38 AM Rack S, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	225.110	225.543	226.933
Al 308.215	554760	553811	553151
As 188.980	109.228	113.674	120.551
B 249.678	-23.2596u	-23.1862u	-23.2465u
Ba 389.178	534.059	536.473	536.387
Be 313.042	516.362	517.185	516.413
Ca 370.602	507029	508723	509096
Cd 226.502	1016.83	1019.14	1018.99
Co 228.615	499.745	506.652	505.046
Cr 267.716	518.679	518.441	517.582
Cu 324.754	551.893	559.277	561.477
Fe 271.441	203751	203963	204291
K 766.491	-0.4682u	-0.4766u	-0.3832u
Mg 279.078	559746	559802	559798
Mn 257.610	511.892	510.799	511.490
Mo 202.032	1123.11	1124.82	1123.81
Na 330.237	-453.298u	-454.040u	-476.342u
Ni 231.604	1004.04	1000.80	1004.68
Pb 220.353	44.0215	47.2598	41.1194
Sb 206.834	636.306	640.760	642.192
Se 196.026	59.4495	52.0224	50.6155
Sn 189.925	1076.03	1081.54	1080.23
Sr 216.596	1.5448	1.6275	2.2989
Ti 334.941	-6.5260	-6.5487	-6.4689
Tl 190.794	82.5946	81.9230	78.9585
V 292.401	517.290	518.238	519.192
Zn 206.200	999.527	1000.24	996.120

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	225.862	ppb	0.9524	0.4	14330.1	112.93116
Al 308.215	553908	ppb	808.390	0.1	2526984	110.78150
As 188.980	114.484	ppb	5.7048	5.0	77.4480	114.48441
B 249.678	-23.2307	ppb	0.0392	0.2	-163.534	-
Ba 389.178	535.639	ppb	1.3696	0.3	12409.9	107.12789
Be 313.042	516.653	ppb	0.4615	0.1	972608	103.33064
Ca 370.602	508282	ppb	1102	0.2	1432482	101.65649
Cd 226.502	1018.32	ppb	1.2916	0.1	34652.4	101.83179
Co 228.615	503.814	ppb	3.6143	0.7	5302.48	100.76288
Cr 267.716	518.234	ppb	0.5766	0.1	20322.0	103.64679
Cu 324.754	557.549	ppb	5.0200	0.9	24663.2	111.50979
Fe 271.441	204002	ppb	272.449	0.1	323200	102.00087
K 766.491	-0.4427	ppb	0.0516	11.7	206.428	-
Mg 279.078	559782	ppb	31.0421	0.0	1118071	111.95640
Mn 257.610	511.393	ppb	0.5525	0.1	112946	102.27870
Mo 202.032	1123.92	ppb	0.8621	0.1	6492.42	112.39156
Na 330.237	-461.227	ppb	13.0957	2.8	-82.8899	-
Ni 231.604	1003.17	ppb	2.0804	0.2	2433.96	100.31695
Pb 220.353	44.1336	ppb	3.0717	7.0	58.8117	88.26712
Sb 206.834	639.753	ppb	3.0695	0.5	476.868	106.62548
Se 196.026	54.0291	ppb	4.7466	8.8	25.6527	108.05828
Sn 189.925	1079.27	ppb	2.8758	0.3	738.875	107.92655
Sr 216.596	1.8237	ppb	0.4136	22.7	87.8319	-
Ti 334.941	-6.5145	ppb	0.0411	0.6	568.397	-
Tl 190.794	81.1587	ppb	1.9348	2.4	58.8024	81.15869
V 292.401	518.240	ppb	0.9507	0.2	12802.2	103.64803
Zn 206.200	998.629	ppb	2.2924	0.3	1592.38	99.86294

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 9:44:03 AM Rack 1, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	491.433	501.010	496.089
Al 308.215	5060.32	5035.15	5016.08
As 188.980	490.930	485.919	499.755
B 249.678	546.357	550.641	553.351
Ba 389.178	4702.02	4685.38	4685.22
Be 313.042	470.621	468.898	468.384
Ca 370.602	4877	4855	4857
Cd 226.502	466.335	466.877	466.152
Co 228.615	470.477	472.235	472.215
Cr 267.716	4689.95	4659.68	4651.33
Cu 324.754	4731.95	4634.32	4614.17
Fe 271.441	4993.54	4982.82	4994.50
K 766.491	10040.6	10033.9	10037.9
Mg 279.078	4945.20	4928.70	4910.83
Mn 257.610	4679.46	4652.19	4662.00
Mo 202.032	486.626	487.595	484.482
Na 330.237	7243.46	7245.19	7268.98
Ni 231.604	2376.77	2369.99	2358.98
Pb 220.353	491.429	481.644	491.790
Sb 206.834	958.790	950.590	952.534
Se 196.026	4955.29	4961.52	4955.65
Sn 189.925	4973.19	4923.74	4930.71
Sr 216.596	2449.13	2431.02	2425.97
Ti 334.941	501.781	498.702	498.092
Tl 190.794	4989.14	4993.94	4990.71
V 292.401	4930.96	4909.27	4914.83
Zn 206.200	2337.87	2332.28	2330.42

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.177	ppb	4.7888	1.0	31526.8	99.23547
Al 308.215	5037.18	ppb	22.1873	0.4	23083.9	100.74369
As 188.980	492.201	ppb	7.0052	1.4	319.542	98.44029
B 249.678	550.116	ppb	3.5264	0.6	5402.55	22.00465Q
Ba 389.178	4690.87	ppb	9.6504	0.2	95316.3	93.81747
Be 313.042	469.301	ppb	1.1720	0.2	883190	93.86021
Ca 370.602	4863	ppb	12.24	0.3	13701	97.26124
Cd 226.502	466.455	ppb	0.3772	0.1	15684.7	93.29094
Co 228.615	471.642	ppb	1.0091	0.2	5009.61	94.32841
Cr 267.716	4666.99	ppb	20.3207	0.4	182650	93.33971
Cu 324.754	4660.15	ppb	62.9901	1.4	204848	93.20293
Fe 271.441	4990.29	ppb	6.4814	0.1	8023.49	99.80576
K 766.491	10037.5	ppb	3.3834	0.0	424165	100.37455
Mg 279.078	4928.24	ppb	17.1918	0.3	9803.45	98.56487
Mn 257.610	4664.55	ppb	13.8169	0.3	997401	93.29102
Mo 202.032	486.234	ppb	1.5934	0.3	2813.54	97.24686
Na 330.237	7252.54	ppb	14.2587	0.2	330.802	96.70055
Ni 231.604	2368.58	ppb	8.9774	0.4	5734.05	94.74326
Pb 220.353	488.288	ppb	5.7562	1.2	716.624	97.65758
Sb 206.834	953.971	ppb	4.2848	0.4	744.733	95.39710
Se 196.026	4957.49	ppb	3.5000	0.1	2306.35	99.14972
Sn 189.925	4942.55	ppb	26.7619	0.5	3387.32	98.85094
Sr 216.596	2435.37	ppb	12.1753	0.5	20827.9	97.41492
Ti 334.941	499.525	ppb	1.9770	0.4	111187	99.90499
Tl 190.794	4991.26	ppb	2.4504	0.0	4429.57	99.82523
V 292.401	4918.35	ppb	11.2690	0.2	123251	98.36708
Zn 206.200	2333.52	ppb	3.8771	0.3	2497.84	93.34089

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 9:49:26 AM Rack 1, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1223u	-0.1836u	-0.0899u
Al 308.215	-1.7807u	-2.0723u	-2.5367u
As 188.980	1.1102	-3.2061u	-3.1652u
B 249.678	-3.1626u	-5.3262u	-6.7858u
Ba 389.178	-0.4313u	-0.2252u	-1.6053u
Be 313.042	-0.0475u	-0.0482u	-0.0449u
Ca 370.602	2.032	4.104	6.101
Cd 226.502	0.0261	0.0565	-0.0940u
Co 228.615	-1.1287u	-0.8254u	0.1432
Cr 267.716	-0.0564u	0.2168	-0.3318u
Cu 324.754	-0.6840u	-0.8555u	-0.1454u
Fe 271.441	2.1465	-2.1434u	-5.1178u
K 766.491	-1.1841u	-0.0543u	-1.5382u
Mg 279.078	-2.3168u	-5.6258u	0.0376
Mn 257.610	-0.1009u	-0.1048u	-0.1181u
Mo 202.032	0.9311	0.2211	0.8487
Na 330.237	-124.286u	-209.217u	-7.2911u
Ni 231.604	1.1784	-1.0312u	-1.2167u
Pb 220.353	-1.6114u	-1.8057u	1.7535
Sb 206.834	2.0907	8.4272	7.4812
Se 196.026	4.9957	5.0000	8.8373
Sn 189.925	5.7554	5.0924	3.7583
Sr 216.596	-0.3195u	0.5885	-0.7315u
Ti 334.941	-0.0793u	-0.0138u	-0.0531u
Tl 190.794	3.4066	2.2307	3.8939
V 292.401	-0.1535u	-0.8865u	-0.5323u
Zn 206.200	-1.1391u	-1.7020u	-0.2248u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4653	ppb	0.5709	122.7	-105.502	-0.46526
Al 308.215	-2.1299	ppb	0.3813	17.9	114.829	-2.12990
As 188.980	-1.7537	ppb	2.4803	141.4	0.3443	-1.75369
B 249.678	-5.0915	ppb	1.8230	35.8	197.570	-5.09151
Ba 389.178	-0.7540	ppb	0.7445	98.7	-32.3601	-0.75397
Be 313.042	-0.0469	ppb	0.0018	3.7	-235.457	-0.04686
Ca 370.602	4.079	ppb	2.035	49.9	-8.320	4.07896
Cd 226.502	-0.0038	ppb	0.0796	2105.6	14.4953	-0.00378
Co 228.615	-0.6036	ppb	0.6644	110.1	7.6986	-0.60365
Cr 267.716	-0.0572	ppb	0.2743	479.9	2.2230	-0.05715
Cu 324.754	-0.5617	ppb	0.3705	66.0	61.0345	-0.56166
Fe 271.441	-1.7049	ppb	3.6520	214.2	6.7923	-1.70490
K 766.491	-0.9255	ppb	0.7750	83.7	186.035	-0.92552
Mg 279.078	-2.6350	ppb	2.8451	108.0	25.3867	-2.63499
Mn 257.610	-0.1079	ppb	0.0090	8.3	44.4995	-0.10793
Mo 202.032	0.6670	ppb	0.3883	58.2	18.7974	0.66698
Na 330.237	-113.598	ppb	101.386	89.3	-2.0611	-113.59792
Ni 231.604	-0.3565	ppb	1.3325	373.8	1.5001	-0.35652
Pb 220.353	-0.5545	ppb	2.0012	360.9	3.7414	-0.55455
Sb 206.834	5.9997	ppb	3.4182	57.0	5.3202	5.99972
Se 196.026	6.2776	ppb	2.2167	35.3	2.1941	6.27764
Sn 189.925	4.8687	ppb	1.0171	20.9	2.1144	4.86870
Sr 216.596	-0.1542	ppb	0.6753	438.0	9.6109	-0.15417
Ti 334.941	-0.0487	ppb	0.0330	67.7	-43.3517	-0.04870
Tl 190.794	3.1770	ppb	0.8551	26.9	-0.5488	3.17705
V 292.401	-0.5241	ppb	0.3666	69.9	-5.2328	-0.52411
Zn 206.200	-1.0219	ppb	0.7455	73.8	-0.4624	-1.02194

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-271187/1-a (Samp) 3/30/2013, 9:54:50 AM Rack 1, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1924	-0.7398u	-0.6115u
Al 308.215	1.4997	-0.7908u	1.4444
As 188.980	-8.5474u	-2.9599u	-6.0481u
B 249.678	-11.9982u	-13.1378u	-12.0760u
Ba 389.178	-0.7483u	-0.5528u	0.1377
Be 313.042	-0.0456u	-0.0467u	-0.0516u
Ca 370.602	4.903	5.102	10.60
Cd 226.502	-0.2156u	-0.1316u	-0.1713u
Co 228.615	0.8088	-0.5352u	0.2829
Cr 267.716	-0.0069u	0.3558	-0.1625u
Cu 324.754	-0.3737u	-0.5548u	0.2789
Fe 271.441	1.4965	-0.0845u	-4.7319u
K 766.491	0.2985	0.1513	1.8675
Mg 279.078	-2.7773u	2.4631	3.5116
Mn 257.610	-0.1004u	-0.1014u	-0.1048u
Mo 202.032	-0.3822u	0.4415	-0.2120u
Na 330.237	-34.4775u	86.1900	36.4228
Ni 231.604	-1.3941u	0.9979	-1.0474u
Pb 220.353	-1.1722u	-1.3769u	3.4140
Sb 206.834	-2.0299u	1.7370	-4.8675u
Se 196.026	12.7856	4.2553	0.5159
Sn 189.925	0.4324	2.9142	-3.8507u
Sr 216.596	-0.2615u	-1.0165u	1.0670
Ti 334.941	-0.0456u	0.0043	-0.0146u
Tl 190.794	0.1357	2.0892	3.0072
V 292.401	-0.2259u	0.0553	-0.4499u
Zn 206.200	1.5255	2.2609	1.0221

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3863	ppb	0.5052	130.8	-100.476
Al 308.215	0.7178	ppb	1.3067	182.1	127.747
As 188.980	-5.8518	ppb	2.7989	47.8	-2.3049
B 249.678	-12.4040	ppb	0.6367	5.1	128.957
Ba 389.178	-0.3878	ppb	0.4654	120.0	-24.9157
Be 313.042	-0.0480	ppb	0.0032	6.6	-237.499
Ca 370.602	6.867	ppb	3.231	47.1	-0.1952
Cd 226.502	-0.1728	ppb	0.0420	24.3	8.8142
Co 228.615	0.1855	ppb	0.6773	365.1	16.0660
Cr 267.716	0.0621	ppb	0.2660	428.1	6.8909
Cu 324.754	-0.2165	ppb	0.4385	202.5	76.1820
Fe 271.441	-1.1066	ppb	3.2376	292.6	7.8162
K 766.491	0.7724	ppb	0.9512	123.1	257.748
Mg 279.078	1.0658	ppb	3.3693	316.1	32.7784
Mn 257.610	-0.1022	ppb	0.0023	2.3	45.7370
Mo 202.032	-0.0509	ppb	0.4348	853.9	14.6539
Na 330.237	29.3784	ppb	60.6414	206.4	4.7946
Ni 231.604	-0.4812	ppb	1.2926	268.6	1.1983
Pb 220.353	0.2883	ppb	2.7089	939.5	4.9713
Sb 206.834	-1.7201	ppb	3.3131	192.6	-0.4302
Se 196.026	5.8523	ppb	6.2888	107.5	1.9962
Sn 189.925	-0.1680	ppb	3.4221	2036.6	-1.3387
Sr 216.596	-0.0703	ppb	1.0549	1499.7	10.3374
Ti 334.941	-0.0187	ppb	0.0252	135.1	-36.6514
Tl 190.794	1.7440	ppb	1.4665	84.1	-1.8219
V 292.401	-0.2068	ppb	0.2532	122.4	2.8612
Zn 206.200	1.6028	ppb	0.6230	38.8	4.4103

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-271187/2-a (Samp) 3/30/2013, 10:00:15 AM Rack 1, Tube 4
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	45.1536	43.5640	43.8365
Al 308.215	4826.98	4838.95	4814.14
As 188.980	99.4924	100.289	95.2400
B 249.678	182.670	184.011	183.412
Ba 389.178	96.3291	98.1250	96.6420
Be 313.042	49.7312	49.8784	49.6107
Ca 370.602	4730	4732	4707
Cd 226.502	49.5535	50.2220	49.6122
Co 228.615	48.7022	50.2569	49.2041
Cr 267.716	98.7487	98.6079	98.2536
Cu 324.754	100.410	100.095	98.7570
Fe 271.441	4869.41	4889.28	4882.49
K 766.491	4842.90	4867.16	4853.49
Mg 279.078	4866.74	4877.17	4856.62
Mn 257.610	497.850	499.208	497.808
Mo 202.032	97.1448	97.2551	97.0175
Na 330.237	4560.46	4631.47	4583.39
Ni 231.604	96.6149	96.6385	98.8215
Pb 220.353	47.7018	50.6363	48.9465
Sb 206.834	47.8501	54.0349	48.5920
Se 196.026	111.144	96.5402	99.2695
Sn 189.925	193.386	199.497	194.846
Sr 216.596	98.7524	99.3088	99.1436
Ti 334.941	97.9181	98.0955	97.4255
Tl 190.794	43.0191	41.1217	38.5919
V 292.401	98.7564	99.0295	99.0499
Zn 206.200	99.7653	101.754	100.974

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.1847	ppb	0.8501	1.9	2741.37
Al 308.215	4826.69	ppb	12.4073	0.3	22151.1
As 188.980	98.3404	ppb	2.7144	2.8	65.0180
B 249.678	183.365	ppb	0.6718	0.4	1961.35
Ba 389.178	97.0320	ppb	0.9594	1.0	1972.21
Be 313.042	49.7401	ppb	0.1341	0.3	93484.9
Ca 370.602	4723	ppb	13.70	0.3	13103
Cd 226.502	49.7959	ppb	0.3702	0.7	1697.00
Co 228.615	49.3878	ppb	0.7934	1.6	535.774
Cr 267.716	98.5367	ppb	0.2551	0.3	3863.05
Cu 324.754	99.7538	ppb	0.8775	0.9	4472.18
Fe 271.441	4880.39	ppb	10.0998	0.2	7747.59
K 766.491	4854.52	ppb	12.1666	0.3	205260
Mg 279.078	4866.84	ppb	10.2760	0.2	9744.11
Mn 257.610	498.289	ppb	0.7966	0.2	106642
Mo 202.032	97.1392	ppb	0.1189	0.1	575.218
Na 330.237	4591.77	ppb	36.2430	0.8	221.332
Ni 231.604	97.3583	ppb	1.2672	1.3	238.049
Pb 220.353	49.0949	ppb	1.4729	3.0	76.0034
Sb 206.834	50.1590	ppb	3.3771	6.7	38.3836
Se 196.026	102.318	ppb	7.7647	7.6	47.0100
Sn 189.925	195.910	ppb	3.1910	1.6	133.092
Sr 216.596	99.0683	ppb	0.2857	0.3	857.387
Ti 334.941	97.8130	ppb	0.3471	0.4	21759.9
Tl 190.794	40.9109	ppb	2.2211	5.4	32.1524
V 292.401	98.9452	ppb	0.1639	0.2	2472.68
Zn 206.200	100.831	ppb	1.0018	1.0	152.356

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-271187/3-a (Samp) 3/30/2013, 10:05:39 AM Rack 1, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	204.114	204.091	201.573
Al 308.215	1972.40	1972.51	1962.29
As 188.980	213.595	208.977	207.699
B 249.678	392.946	393.793	396.039
Ba 389.178	196.093	195.942	193.712
Be 313.042	203.347	203.421	202.300
Ca 370.602	19525	19576	19408
Cd 226.502	199.061	198.386	198.797
Co 228.615	197.491	200.515	199.716
Cr 267.716	198.759	198.442	197.243
Cu 324.754	202.204	202.482	200.660
Fe 271.441	20694.0	20748.7	20658.6
K 766.491	19872.9	19938.3	19803.2
Mg 279.078	20024.6	20016.0	19903.5
Mn 257.610	2036.89	2038.84	2031.54
Mo 202.032	199.174	195.795	196.912
Na 330.237	17503.6	17752.0	17613.7
Ni 231.604	197.696	195.207	196.225
Pb 220.353	197.012	194.523	195.865
Sb 206.834	190.699	188.905	196.104
Se 196.026	201.375	205.134	203.685
Sn 189.925	198.266	198.269	198.620
Sr 216.596	213.220	213.971	212.093
Ti 334.941	200.365	200.537	198.624
Tl 190.794	43.4857	39.0918	45.1166
V 292.401	200.741	200.998	199.993
Zn 206.200	192.768	188.565	190.609

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	203.260	ppb	1.4606	0.7	12890.7
Al 308.215	1969.07	ppb	5.8686	0.3	9124.59
As 188.980	210.090	ppb	3.1015	1.5	137.199
B 249.678	394.259	ppb	1.5982	0.4	3925.45
Ba 389.178	195.249	ppb	1.3332	0.7	4022.71
Be 313.042	203.023	ppb	0.6269	0.3	382065
Ca 370.602	19503	ppb	86.18	0.4	54092
Cd 226.502	198.748	ppb	0.3399	0.2	6732.12
Co 228.615	199.241	ppb	1.5674	0.8	2119.80
Cr 267.716	198.148	ppb	0.7996	0.4	7768.74
Cu 324.754	201.782	ppb	0.9812	0.5	8961.49
Fe 271.441	20700.4	ppb	45.4266	0.2	32827.0
K 766.491	19871.4	ppb	67.5668	0.3	839512
Mg 279.078	19981.4	ppb	67.5658	0.3	39915.7
Mn 257.610	2035.76	ppb	3.7793	0.2	435478
Mo 202.032	197.294	ppb	1.7214	0.9	1152.45
Na 330.237	17623.1	ppb	124.428	0.7	841.901
Ni 231.604	196.376	ppb	1.2511	0.6	477.958
Pb 220.353	195.800	ppb	1.2460	0.6	290.114
Sb 206.834	191.903	ppb	3.7475	2.0	144.954
Se 196.026	203.398	ppb	1.8959	0.9	94.4722
Sn 189.925	198.385	ppb	0.2039	0.1	134.798
Sr 216.596	213.095	ppb	0.9453	0.4	1836.25
Ti 334.941	199.842	ppb	1.0587	0.5	44527.7
Tl 190.794	42.5647	ppb	3.1162	7.3	30.9715
V 292.401	200.577	ppb	0.5223	0.3	5004.57
Zn 206.200	190.647	ppb	2.1014	1.1	288.144

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53002-j-1-a (Samp) 3/30/2013, 10:11:04 AM Rack 1, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2282u	-0.0404u	0.1722
Al 308.215	13.1693	9.0186	13.2339
As 188.980	0.9516	-4.3636u	-3.6103u
B 249.678	123.265	124.184	123.175
Ba 389.178	70.0688	68.6166	69.5970
Be 313.042	-0.0449u	-0.0576u	-0.0486u
Ca 370.602	115395	115359	115379
Cd 226.502	0.5186	0.1587	0.0103
Co 228.615	7.5079	6.4052	7.1878
Cr 267.716	1.5495	1.8822	1.7982
Cu 324.754	2.2808	2.2221	2.5410
Fe 271.441	1398.23	1393.05	1392.34
K 766.491	2579.71	2580.34	2581.56
Mg 279.078	25652.1	25634.1	25711.9
Mn 257.610	1422.06	1419.72	1427.11
Mo 202.032	0.0964	0.6958	1.1230
Na 330.237	243508x	243057x	243926x
Ni 231.604	39.6430	38.5767	39.9353
Pb 220.353	-4.5791u	-3.2355u	0.6033
Sb 206.834	3.9400	1.5602	1.5163
Se 196.026	13.9611	-5.3435u	-4.8807u
Sn 189.925	4.5553	1.6539	-2.6502u
Sr 216.596	273.022	273.302	273.717
Ti 334.941	-0.0523	0.0161	-0.0797
Tl 190.794	3.2936	8.7104	1.6642u
V 292.401	2.2328	2.5934	1.7069
Zn 206.200	8.2364	6.8766	5.9847

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0321b	ppb	0.2003	623.7	-83.3330
Al 308.215	11.8073b	ppb	2.4153	20.5	178.397
As 188.980	-2.3408b	ppb	2.8760	122.9	0.9645
B 249.678	123.541b	ppb	0.5586	0.5	1403.27
Ba 389.178	69.4274b	ppb	0.7408	1.1	1454.16
Be 313.042	-0.0503b	ppb	0.0066	13.0	-232.617
Ca 370.602	115378b	ppb	18.06	0.0	328452
Cd 226.502	0.2292b	ppb	0.2614	114.0	24.4091
Co 228.615	7.0336b	ppb	0.5673	8.1	88.4323
Cr 267.716	1.7433b	ppb	0.1730	9.9	81.5622
Cu 324.754	2.3480b	ppb	0.1697	7.2	189.247
Fe 271.441	1394.54b	ppb	3.2124	0.2	2219.36
K 766.491	2580.54b	ppb	0.9417	0.0	109216
Mg 279.078	25666.0b	ppb	40.7107	0.2	51277.3
Mn 257.610	1422.96b	ppb	3.7757	0.3	304443
Mo 202.032	0.6384b	ppb	0.5157	80.8	18.5730
Na 330.237	243497xb	ppb	434.431	0.2	11707.1
Ni 231.604	39.3850b	ppb	0.7151	1.8	97.6948
Pb 220.353	-2.4038b	ppb	2.6895	111.9	1.3113
Sb 206.834	2.3388b	ppb	1.3868	59.3	2.6221
Se 196.026	1.2456b	ppb	11.0144	884.2	0.1924
Sn 189.925	1.1863b	ppb	3.6254	305.6	-0.2977
Sr 216.596	273.347b	ppb	0.3495	0.1	2361.53
Ti 334.941	-0.0386b	ppb	0.0493	127.8	35.8514
Tl 190.794	4.5561b	ppb	3.6889	81.0	-1.2378
V 292.401	2.1777b	ppb	0.4458	20.5	61.0127
Zn 206.200	7.0326b	ppb	1.1239	16.1	12.5718

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53002-i-2-a (Samp) 3/30/2013, 10:19:46 AM Rack 1, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2524u	-0.1847u	-1.5653u
Al 308.215	201.649	201.167	202.118
As 188.980	-2.2625u	5.8038	-1.9386u
B 249.678	172.966	174.649	176.467
Ba 389.178	74.5230	75.0736	74.8496
Be 313.042	-0.0428u	-0.0391u	-0.0453u
Ca 370.602	102343	102624	102882
Cd 226.502	0.0988	-0.2374	-0.0712
Co 228.615	7.0063	6.1718	6.6497
Cr 267.716	4.6430	4.5918	4.9851
Cu 324.754	17.4199	17.7261	17.6800
Fe 271.441	12216.8	12216.8	12226.0
K 766.491	8849.40	8859.72	8842.35
Mg 279.078	28419.9	28494.6	28514.9
Mn 257.610	6344.05	6354.94	6362.11
Mo 202.032	-0.2298u	-0.2923u	-1.1448u
Na 330.237	41086.1	41401.4	41153.0
Ni 231.604	4.4939	4.9899	5.2429
Pb 220.353	-0.0731	0.6495	-2.1408u
Sb 206.834	2.6541	-7.6824u	2.9033
Se 196.026	3.8263	-6.5660u	1.5989
Sn 189.925	-1.3596u	0.0413	3.6026
Sr 216.596	584.915	589.253	589.052
Ti 334.941	3.4731	3.5661	3.4909
Tl 190.794	18.8644	20.3183	25.4614
V 292.401	0.0763	0.8692	0.4263
Zn 206.200	5.6520	8.3950	7.0470

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6675	ppb	0.7783	116.6	-116.716
Al 308.215	201.645	ppb	0.4758	0.2	1044.22
As 188.980	0.5342	ppb	4.5664	854.8	2.5961
B 249.678	174.694	ppb	1.7511	1.0	1873.15
Ba 389.178	74.8154	ppb	0.2769	0.4	1583.42
Be 313.042	-0.0424	ppb	0.0031	7.4	-199.900
Ca 370.602	102617	ppb	269.7	0.3	291452
Cd 226.502	-0.0700	ppb	0.1681	240.3	39.1010
Co 228.615	6.6093	ppb	0.4187	6.3	83.7573
Cr 267.716	4.7400	ppb	0.2138	4.5	215.342
Cu 324.754	17.6087	ppb	0.1651	0.9	862.673
Fe 271.441	12219.9	ppb	5.3463	0.0	19365.3
K 766.491	8850.49	ppb	8.7330	0.1	374033
Mg 279.078	28476.5	ppb	50.0049	0.2	56818.2
Mn 257.610	6353.70	ppb	9.0944	0.1	1358691
Mo 202.032	-0.5556	ppb	0.5112	92.0	11.2527
Na 330.237	41213.5	ppb	166.143	0.4	1980.91
Ni 231.604	4.9089	ppb	0.3810	7.8	14.4750
Pb 220.353	-0.5215	ppb	1.4482	277.7	4.9895
Sb 206.834	-0.7083	ppb	6.0410	852.9	0.5739
Se 196.026	-0.3803	ppb	5.4715	1438.9	0.6430
Sn 189.925	0.7614	ppb	2.5583	336.0	-0.6541
Sr 216.596	587.740	ppb	2.4488	0.4	5057.56
Ti 334.941	3.5100	ppb	0.0494	1.4	849.514
Tl 190.794	21.5481	ppb	3.4662	16.1	6.9446
V 292.401	0.4573	ppb	0.3973	86.9	19.4814
Zn 206.200	7.0313	ppb	1.3715	19.5	12.5605

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53002-j-3-a (Samp) 3/30/2013, 10:25:11 AM Rack 1, Tube 8

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0096u	-0.0183u	-0.9535u
Al 308.215	29.6146	33.9941	35.0196
As 188.980	-8.9873u	-6.7008u	-6.2369u
B 249.678	44.2639	42.9965	42.7575
Ba 389.178	64.8493	66.6261	66.1025
Be 313.042	-0.0491u	-0.0336u	-0.0476u
Ca 370.602	42496	42665	42585
Cd 226.502	-0.1010u	-0.1614u	-0.3925u
Co 228.615	3.3689	4.1066	3.7227
Cr 267.716	0.0110	0.6363	0.4114
Cu 324.754	2.0568	1.9572	1.2672
Fe 271.441	565.465	558.596	556.020
K 766.491	1374.74	1372.54	1370.16
Mg 279.078	9335.66	9387.50	9351.98
Mn 257.610	1325.21	1327.34	1323.43
Mo 202.032	0.6802	1.0266	0.1293
Na 330.237	75924.0	76161.9	75665.8
Ni 231.604	11.4575	7.9896	9.9334
Pb 220.353	-2.3440u	0.2535	-5.4789u
Sb 206.834	0.8408	-1.1842u	-2.7774u
Se 196.026	11.7448	-4.0189u	0.4275
Sn 189.925	3.6998	0.6137	1.5622
Sr 216.596	184.771	187.170	185.284
Ti 334.941	0.6781	0.7518	0.6855
Tl 190.794	4.9856	7.5175	3.9201
V 292.401	0.9663	0.9409	0.8995
Zn 206.200	3.6603	4.5740	4.7047

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3271	ppb	0.5425	165.8	-98.7830
Al 308.215	32.8761	ppb	2.8707	8.7	274.505
As 188.980	-7.3083	ppb	1.4724	20.1	-2.8795
B 249.678	43.3393	ppb	0.8095	1.9	651.488
Ba 389.178	65.8593	ppb	0.9131	1.4	1343.18
Be 313.042	-0.0434	ppb	0.0085	19.6	-224.220
Ca 370.602	42582	ppb	84.53	0.2	121224
Cd 226.502	-0.2183	ppb	0.1538	70.5	8.2410
Co 228.615	3.7327	ppb	0.3690	9.9	53.5605
Cr 267.716	0.3529	ppb	0.3167	89.8	24.1708
Cu 324.754	1.7604	ppb	0.4300	24.4	163.213
Fe 271.441	560.027	ppb	4.8824	0.9	897.153
K 766.491	1372.48	ppb	2.2882	0.2	58193.0
Mg 279.078	9358.38	ppb	26.5036	0.3	18704.0
Mn 257.610	1325.32	ppb	1.9570	0.1	283478
Mo 202.032	0.6120	ppb	0.4526	73.9	18.4557
Na 330.237	75917.2	ppb	248.089	0.3	3652.32
Ni 231.604	9.7935	ppb	1.7382	17.7	26.0722
Pb 220.353	-2.5231	ppb	2.8704	113.8	1.1192
Sb 206.834	-1.0403	ppb	1.8134	174.3	0.0826
Se 196.026	2.7178	ppb	8.1275	299.0	0.8498
Sn 189.925	1.9586	ppb	1.5808	80.7	0.1566
Sr 216.596	185.742	ppb	1.2631	0.7	1605.41
Ti 334.941	0.7051	ppb	0.0406	5.8	153.290
Tl 190.794	5.4744	ppb	1.8478	33.8	-0.2580
V 292.401	0.9356	ppb	0.0337	3.6	30.9616
Zn 206.200	4.3130	ppb	0.5690	13.2	824850

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53002-i-4-a (Samp) 3/30/2013, 10:30:37 AM Rack 1, Tube 9

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3193u	-1.1083u	0.0224
Al 308.215	3.4897	5.7688	4.4596
As 188.980	-4.4405u	-0.1153u	-11.1375u
B 249.678	-15.5400u	-14.9330u	-16.1705u
Ba 389.178	-0.4440u	-1.0113u	0.6098
Be 313.042	-0.0442u	-0.0460u	-0.0589u
Ca 370.602	31.44	31.16	26.96
Cd 226.502	-0.1717u	-0.2305u	-0.1987u
Co 228.615	-0.8494u	0.0211	-0.9794u
Cr 267.716	0.1344	-0.0871u	0.1409
Cu 324.754	-0.0587u	-0.4739u	-1.0220u
Fe 271.441	6.1492	-2.4986u	-0.8625u
K 766.491	3.8642	3.9640	4.4342
Mg 279.078	-0.3044u	0.3633	-2.4406u
Mn 257.610	0.4302	0.3976	0.4361
Mo 202.032	-0.4907u	-0.1746u	-1.1530u
Na 330.237	226.994	98.8288	217.090
Ni 231.604	-0.3756u	-0.2398u	-1.4391u
Pb 220.353	-3.8038u	-2.3324u	-0.4623u
Sb 206.834	1.9106	0.9215	5.1034
Se 196.026	5.5257	5.2825	7.6404
Sn 189.925	0.5428	2.2517	-2.1579u
Sr 216.596	-0.1395u	-0.1627u	0.1954
Ti 334.941	-0.2199u	-0.1415u	-0.1085u
Tl 190.794	0.1061	2.7318	2.6709
V 292.401	-0.9613u	-0.6884u	-0.0006
Zn 206.200	4.1736	2.6411	3.5855

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4684	ppb	0.5799	123.8	-105.720
Al 308.215	4.5727	ppb	1.1437	25.0	145.250
As 188.980	-5.2311	ppb	5.5534	106.2	-1.9032
B 249.678	-15.5478	ppb	0.6188	4.0	99.4542
Ba 389.178	-0.2818	ppb	0.8226	291.9	-22.7674
Be 313.042	-0.0497	ppb	0.0080	16.1	-240.646
Ca 370.602	29.85	ppb	2.509	8.4	65.05
Cd 226.502	-0.2003	ppb	0.0295	14.7	7.8961
Co 228.615	-0.6026	ppb	0.5440	90.3	7.7524
Cr 267.716	0.0627	ppb	0.1298	206.9	6.9221
Cu 324.754	-0.5182	ppb	0.4832	93.2	62.9079
Fe 271.441	0.9294	ppb	4.5939	494.3	11.0624
K 766.491	4.0874	ppb	0.3044	7.4	397.761
Mg 279.078	-0.7939	ppb	1.4647	184.5	29.0549
Mn 257.610	0.4213	ppb	0.0208	4.9	157.668
Mo 202.032	-0.6061	ppb	0.4993	82.4	11.4503
Na 330.237	180.971	ppb	71.3094	39.4	12.0675
Ni 231.604	-0.6848	ppb	0.6567	95.9	0.7057
Pb 220.353	-2.1995	ppb	1.6747	76.1	1.3437
Sb 206.834	2.6452	ppb	2.1856	82.6	2.8333
Se 196.026	6.1495	ppb	1.2969	21.1	2.1346
Sn 189.925	0.2122	ppb	2.2233	1047.9	-1.0780
Sr 216.596	-0.0356	ppb	0.2004	562.7	10.6627
Ti 334.941	-0.1566	ppb	0.0572	36.5	-67.3883
Tl 190.794	1.8363	ppb	1.4987	81.6	-1.7405
V 292.401	-0.5501	ppb	0.4950	90.0	-5.6234
Zn 206.200	3.4667	ppb	0.7721	22.3	7.2134

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53002-i-5-a (Samp) 3/30/2013, 10:36:03 AM Rack 1, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0319u	1.2630	-0.1439u
Al 308.215	3.6352	-0.8222u	3.9999
As 188.980	-6.6892u	-5.1574u	-6.4860u
B 249.678	-19.8789u	-19.6989u	-19.7842u
Ba 389.178	-1.2324u	-0.6435u	0.3743
Be 313.042	-0.0435u	-0.0505u	-0.0549u
Ca 370.602	10.79	6.266	4.891
Cd 226.502	-0.4615u	-0.2411u	-0.2302u
Co 228.615	-0.4388u	-0.3115u	-0.6495u
Cr 267.716	0.3344	-0.2573u	-0.0656u
Cu 324.754	-0.7145u	-0.5713u	-0.9741u
Fe 271.441	5.0864	3.3638	0.4347
K 766.491	0.0753	0.1832	0.5508
Mg 279.078	2.2761	-0.7481u	3.0194
Mn 257.610	-0.0696u	-0.0979u	-0.0758u
Mo 202.032	-0.6758u	0.4855	-0.4868u
Na 330.237	45.5363	-118.368u	-227.806u
Ni 231.604	-0.7087u	0.4234	-1.4097u
Pb 220.353	3.6525	-4.3585u	-3.4082u
Sb 206.834	4.2096	1.7268	0.6467
Se 196.026	4.1847	-6.4806u	2.3879
Sn 189.925	0.2840	-2.3684u	1.8234
Sr 216.596	0.7155	-0.0610u	-0.1587u
Ti 334.941	-0.1922u	-0.2474u	-0.1246u
Tl 190.794	2.8246	-3.3690u	4.9191
V 292.401	0.0927	0.3255	-0.3444u
Zn 206.200	12.2758	13.5094	14.8257

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3624	ppb	0.7820	215.8	-52.6903
Al 308.215	2.2709	ppb	2.6850	118.2	134.791
As 188.980	-6.1109	ppb	0.8319	13.6	-2.4723
B 249.678	-19.7873	ppb	0.0900	0.5	59.6741
Ba 389.178	-0.5005	ppb	0.8128	162.4	-27.2068
Be 313.042	-0.0496	ppb	0.0058	11.6	-240.575
Ca 370.602	7.314	ppb	3.084	42.2	0.8947
Cd 226.502	-0.3109	ppb	0.1305	42.0	4.1834
Co 228.615	-0.4666	ppb	0.1707	36.6	9.1758
Cr 267.716	0.0038	ppb	0.3019	7852.6	4.6080
Cu 324.754	-0.7533	ppb	0.2042	27.1	52.5834
Fe 271.441	2.9617	ppb	2.3518	79.4	14.2623
K 766.491	0.2698	ppb	0.2493	92.4	236.520
Mg 279.078	1.5158	ppb	1.9955	131.7	33.6764
Mn 257.610	-0.0811	ppb	0.0148	18.3	50.2550
Mo 202.032	-0.2257	ppb	0.6231	276.1	13.6448
Na 330.237	-100.213	ppb	137.573	137.3	-1.5182
Ni 231.604	-0.5650	ppb	0.9250	163.7	0.9956
Pb 220.353	-1.3714	ppb	4.3767	319.1	2.5510
Sb 206.834	2.1943	ppb	1.8269	83.3	2.4915
Se 196.026	0.0307	ppb	5.7100	18615.4	-0.7116
Sn 189.925	-0.0870	ppb	2.1204	2436.9	-1.2832
Sr 216.596	0.1653	ppb	0.4790	289.9	12.3597
Ti 334.941	-0.1881	ppb	0.0615	32.7	-74.3629
Tl 190.794	1.4582	ppb	4.3097	295.5	-2.0759
V 292.401	0.0246	ppb	0.3401	1382.1	8.7408
Zn 206.200	13.5370	ppb	1.2752	9.4	23.3591

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88725-a-1-a (Samp) 3/30/2013, 10:41:29 AM Rack 1, Tube 11

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4292u	0.0877u	0.0648u
Al 308.215	7888.03	7874.19	7842.04
As 188.980	-5.3803u	-2.2681u	-2.1724u
B 249.678	3522.77	3550.26	3551.51
Ba 389.178	0.6701	0.4386	2.1343
Be 313.042	-0.0124u	-0.0164u	-0.0184u
Ca 370.602	3518	3503	3495
Cd 226.502	4.6192	4.2891	4.3101
Co 228.615	-0.5802u	-0.0824u	0.4776
Cr 267.716	145.675	145.937	145.862
Cu 324.754	4.3762	3.6711	4.2590
Fe 271.441	121.223	125.262	116.457
K 766.491	6173.56	6159.50	6140.02
Mg 279.078	569.824	570.377	562.482
Mn 257.610	115.428	115.045	114.828
Mo 202.032	3.4981	2.6857	2.7537
Na 330.237	566552x	564567x	564148x
Ni 231.604	4.8250	5.0881	3.0867
Pb 220.353	0.9621	0.1630	2.9982
Sb 206.834	7.1239	4.9866	-6.2482u
Se 196.026	22.6988	21.2879	35.4801
Sn 189.925	-0.7937u	4.4870	1.1045
Sr 216.596	713.004	709.372	710.165
Ti 334.941	0.0029u	0.0899u	-0.0412u
Tl 190.794	-45.0392u	-40.0500u	-40.3070u
V 292.401	0.6143	0.5535	0.4251u
Zn 206.200	56.2404	55.2788	52.7232

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0922b	ppb	0.2920	316.8	-108.212
Al 308.215	7868.09b	ppb	23.5971	0.3	36016.5
As 188.980	-3.2736b	ppb	1.8251	55.8	-0.6097
B 249.678	3541.51b	ppb	16.2469	0.5	33476.5
Ba 389.178	1.0810b	ppb	0.9195	85.1	6.3853
Be 313.042	-0.0158b	ppb	0.0030	19.3	-242.411
Ca 370.602	3505b	ppb	11.56	0.3	9955
Cd 226.502	4.4061b	ppb	0.1848	4.2	159.904
Co 228.615	-0.0616b	ppb	0.5292	858.4	13.7810
Cr 267.716	145.825b	ppb	0.1349	0.1	5720.96
Cu 324.754	4.1021b	ppb	0.3778	9.2	266.075
Fe 271.441	120.981b	ppb	4.4078	3.6	201.556
K 766.491	6157.70b	ppb	16.8425	0.3	260300
Mg 279.078	567.561b	ppb	4.4073	0.8	1160.43
Mn 257.610	115.100b	ppb	0.3036	0.3	24676.9
Mo 202.032	2.9792b	ppb	0.4507	15.1	32.1361
Na 330.237	565089xb	ppb	1284.20	0.2	27165.2
Ni 231.604	4.3333b	ppb	1.0875	25.1	12.8537
Pb 220.353	1.3744b	ppb	1.4619	106.4	6.4491
Sb 206.834	1.9541b	ppb	7.1833	367.6	3.3421
Se 196.026	26.4889b	ppb	7.8185	29.5	11.6228
Sn 189.925	1.5992b	ppb	2.6749	167.3	0.0429
Sr 216.596	710.847b	ppb	1.9095	0.3	6100.03
Ti 334.941	0.0172b	ppb	0.0667	388.2	-62.0198
Tl 190.794	-41.7988b	ppb	2.8093	6.7	-40.6863
V 292.401	0.5310b	ppb	0.0966	18.2	8.3948
Zn 206.200	54.7474b	ppb	1.8178	3.3	829090

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88725-a-2-a (Samp) 3/30/2013, 10:46:56 AM Rack 1, Tube 12

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0153u	-0.2213u	-0.4483u
Al 308.215	8305.90	8310.56	8313.22
As 188.980	4.0786	0.8715	-1.1420u
B 249.678	3752.13	3765.03	3780.65
Ba 389.178	3.5637	4.4794	3.4728
Be 313.042	-0.0097u	-0.0061u	0.0044u
Ca 370.602	3945	3965	3937
Cd 226.502	8.1827	8.2679	8.3437
Co 228.615	-0.8842u	-0.3297u	-0.1189u
Cr 267.716	320.069	320.981	319.600
Cu 324.754	4.7828	5.4051	4.7284
Fe 271.441	249.189	251.100	251.185
K 766.491	6379.62	6357.43	6349.39
Mg 279.078	638.395	634.677	644.207
Mn 257.610	153.704	153.688	153.307
Mo 202.032	4.1591	4.0401	4.2985
Na 330.237	592298x	584252x	588802x
Ni 231.604	4.2389	4.2912	3.9272
Pb 220.353	-4.2099u	-0.1498u	-0.9664u
Sb 206.834	15.2461	9.6543	1.5392
Se 196.026	25.8481	25.7286	36.6424
Sn 189.925	0.8754	2.0962	0.7008
Sr 216.596	770.828	773.553	768.482
Ti 334.941	0.2097	0.2532	0.2924
Tl 190.794	-35.0648u	-37.2792u	-42.5807u
V 292.401	0.6323u	0.9041u	0.6981u
Zn 206.200	64.3711	62.0178	61.8116

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2181b	ppb	0.2318	106.3	-118.346
Al 308.215	8309.89b	ppb	3.7045	0.0	38032.0
As 188.980	1.2694b	ppb	2.6329	207.4	2.3295
B 249.678	3765.94b	ppb	14.2841	0.4	35582.2
Ba 389.178	3.8387b	ppb	0.5568	14.5	62.7479
Be 313.042	-0.0038b	ppb	0.0073	192.3	-222.655
Ca 370.602	3949b	ppb	14.41	0.4	11210
Cd 226.502	8.2648b	ppb	0.0805	1.0	289.614
Co 228.615	-0.4443b	ppb	0.3953	89.0	10.2118
Cr 267.716	320.217b	ppb	0.7019	0.2	12547.3
Cu 324.754	4.9721b	ppb	0.3760	7.6	304.375
Fe 271.441	250.492b	ppb	1.1286	0.5	406.968
K 766.491	6362.15b	ppb	15.6589	0.2	268936
Mg 279.078	639.093b	ppb	4.8028	0.8	1302.63
Mn 257.610	153.566b	ppb	0.2247	0.1	32901.5
Mo 202.032	4.1659b	ppb	0.1293	3.1	38.9797
Na 330.237	588451xb	ppb	4034.42	0.7	28288.0
Ni 231.604	4.1524b	ppb	0.1968	4.7	12.4189
Pb 220.353	-1.7754b	ppb	2.1475	121.0	1.8535
Sb 206.834	8.8132b	ppb	6.8921	78.2	9.7127
Se 196.026	29.4063b	ppb	6.2669	21.3	12.9895
Sn 189.925	1.2242b	ppb	0.7603	62.1	-0.2071
Sr 216.596	770.954b	ppb	2.5378	0.3	6614.94
Ti 334.941	0.2518b	ppb	0.0414	16.4	-10.9924
Tl 190.794	-38.3082b	ppb	3.8622	10.1	-37.6404
V 292.401	0.7448b	ppb	0.1418	19.0	3.6024
Zn 206.200	62.7335b	ppb	1.4219	2.3	95.4083

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 10:52:21 AM Rack 1, Tube 13

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	495.493	508.284	502.882
Al 308.215	5091.62	5099.03	5103.33
As 188.980	484.003	489.245	496.849
B 249.678	658.265	660.645	657.123
Ba 389.178	4704.20	4704.02	4704.82
Be 313.042	475.783	476.688	477.163
Ca 370.602	4908	4906	4917
Cd 226.502	474.005	473.588	473.066
Co 228.615	477.673	476.964	475.405
Cr 267.716	4724.74	4735.62	4741.41
Cu 324.754	4712.02	4688.57	4819.98
Fe 271.441	5053.05	5029.94	5034.17
K 766.491	10104.1	10078.0	10078.6
Mg 279.078	5018.61	5029.21	5013.51
Mn 257.610	4736.42	4722.61	4726.08
Mo 202.032	488.266	492.446	491.532
Na 330.237	7558.86	7129.25	7499.02
Ni 231.604	2406.25	2411.04	2407.56
Pb 220.353	496.481	497.835	499.293
Sb 206.834	966.620	970.119	963.360
Se 196.026	5066.93	5061.30	5084.94
Sn 189.925	4999.05	4999.44	5005.02
Sr 216.596	2462.13	2474.11	2471.40
Ti 334.941	503.006	504.051	504.635
Tl 190.794	5021.62	5029.92	5005.36
V 292.401	4965.65	4953.29	4958.89
Zn 206.200	2374.61	2374.50	2381.04

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.220	ppb	6.4216	1.3	31911.9	100.44395
Al 308.215	5097.99	ppb	5.9216	0.1	23361.1	101.95979
As 188.980	490.032	ppb	6.4592	1.3	318.138	98.00648
B 249.678	658.678	ppb	1.7968	0.3	6421.18	26.34711Q
Ba 389.178	4704.35	ppb	0.4201	0.0	95590.3	94.08691
Be 313.042	476.545	ppb	0.7011	0.1	896826	95.30894
Ca 370.602	4910	ppb	5.504	0.1	13834	98.20620
Cd 226.502	473.553	ppb	0.4706	0.1	15923.1	94.71055
Co 228.615	476.681	ppb	1.1602	0.2	5063.03	95.33618
Cr 267.716	4733.92	ppb	8.4640	0.2	185269	94.67842
Cu 324.754	4740.19	ppb	70.0845	1.5	208365	94.80379
Fe 271.441	5039.05	ppb	12.3059	0.2	8101.99	100.78105
K 766.491	10086.9	ppb	14.9377	0.1	426253	100.86885
Mg 279.078	5020.45	ppb	8.0074	0.2	9986.64	100.40891
Mn 257.610	4728.37	ppb	7.1869	0.2	1011047	94.56742
Mo 202.032	490.748	ppb	2.1976	0.4	2839.53	98.14955
Na 330.237	7395.71	ppb	232.691	3.1	337.332	98.60949
Ni 231.604	2408.28	ppb	2.4792	0.1	5830.12	96.33133
Pb 220.353	497.870	ppb	1.4066	0.3	730.604	99.57394
Sb 206.834	966.700	ppb	3.3801	0.3	754.699	96.67000
Se 196.026	5071.06	ppb	12.3505	0.2	2359.19	101.42110
Sn 189.925	5001.17	ppb	3.3409	0.1	3427.51	100.02345
Sr 216.596	2469.21	ppb	6.2830	0.3	21117.2	98.76859
Ti 334.941	503.897	ppb	0.8254	0.2	112160	100.77940
Tl 190.794	5018.97	ppb	12.4966	0.2	4454.14	100.37936
V 292.401	4959.27	ppb	6.1903	0.1	124276	99.18549
Zn 206.200	2376.72	ppb	3.7466	0.2	2562.62	95.06870

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 10:57:45 AM Rack 1, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2817u	-0.6830u	-0.4857u
Al 308.215	-0.7538u	1.8921	0.7551
As 188.980	-6.3529u	-1.0019u	3.5052
B 249.678	33.2391	30.0627	27.1153
Ba 389.178	-1.3671u	-0.2642u	-0.2530u
Be 313.042	-0.0436u	-0.0565u	-0.0439u
Ca 370.602	1.187	-0.0589u	-0.8622u
Cd 226.502	-0.2703u	-0.0917u	-0.1187u
Co 228.615	1.1575	-0.4758u	-0.0557u
Cr 267.716	-0.1609u	-0.2828u	-0.3337u
Cu 324.754	-0.4479u	-1.1870u	-0.3982u
Fe 271.441	-3.1976u	-0.3973u	-4.8711u
K 766.491	-0.5962u	-0.4302u	-0.7357u
Mg 279.078	-2.5637u	-3.6903u	1.8540
Mn 257.610	-0.1321u	-0.1237u	-0.1369u
Mo 202.032	0.0161	-0.4829u	-0.8926u
Na 330.237	133.237	-246.491u	-12.7778u
Ni 231.604	-1.9022u	1.4460	1.1281
Pb 220.353	-1.0419u	0.8972	-0.9642u
Sb 206.834	-2.6258u	1.8462	6.9680
Se 196.026	-1.2821u	8.0319	-3.6787u
Sn 189.925	0.6671	-2.9309u	-0.4955u
Sr 216.596	0.2174	-0.6122u	-1.1876u
Ti 334.941	-0.0492u	-0.0405u	-0.0607u
Tl 190.794	2.1852	3.8371	2.0226
V 292.401	-0.6601u	-0.4075u	0.1282
Zn 206.200	-1.1629u	-1.3748u	-1.1457u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4835	ppb	0.2007	41.5	-106.672	-0.48348
Al 308.215	0.6312	ppb	1.3273	210.3	127.300	0.63115
As 188.980	-1.2832	ppb	4.9351	384.6	0.6488	-1.28318
B 249.678	30.1390	ppb	3.0626	10.2	528.150	30.13904
Ba 389.178	-0.6281	ppb	0.6400	101.9	-29.8029	-0.62807
Be 313.042	-0.0480	ppb	0.0074	15.3	-237.383	-0.04796
Ca 370.602	0.0886	ppb	1.032	1165.6	-19.65	0.08857
Cd 226.502	-0.1602	ppb	0.0962	60.1	9.2411	-0.16024
Co 228.615	0.2087	ppb	0.8481	406.4	16.3241	0.20868
Cr 267.716	-0.2591	ppb	0.0888	34.3	-5.6812	-0.25914
Cu 324.754	-0.6777	ppb	0.4417	65.2	55.9052	-0.67770
Fe 271.441	-2.8220	ppb	2.2604	80.1	5.0917	-2.82203
K 766.491	-0.5874	ppb	0.1529	26.0	200.316	-0.58740
Mg 279.078	-1.4667	ppb	2.9304	199.8	27.7202	-1.46667
Mn 257.610	-0.1309	ppb	0.0067	5.1	39.5969	-0.13090
Mo 202.032	-0.4531	ppb	0.4551	100.4	12.3327	-0.45313
Na 330.237	-42.0107	ppb	191.544	455.9	1.3837	-42.01071
Ni 231.604	0.2240	ppb	1.8482	825.2	2.9048	0.22397
Pb 220.353	-0.3697	ppb	1.0978	297.0	4.0122	-0.36968
Sb 206.834	2.0628	ppb	4.8005	232.7	2.3936	2.06280
Se 196.026	1.0237	ppb	6.1865	604.3	-0.2497	1.02372
Sn 189.925	-0.9198	ppb	1.8361	199.6	-1.8541	-0.91981
Sr 216.596	-0.5275	ppb	0.7063	133.9	6.4390	-0.52749
Ti 334.941	-0.0501	ppb	0.0102	20.3	-43.6730	-0.05013
Tl 190.794	2.6816	ppb	1.0040	37.4	-0.9884	2.68161
V 292.401	-0.3132	ppb	0.4025	128.5	0.2944	-0.31316
Zn 206.200	-1.2278	ppb	0.1276	10.4	-0.1539	-1.22780

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88725-a-3-a (Samp) 3/30/2013, 11:03:19 AM Rack 1, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3844u	-0.7332u	-0.4417u
Al 308.215	4756.39	4766.78	4764.13
As 188.980	-2.2147u	0.1715	2.6245
B 249.678	3273.45	3281.40	3303.73
Ba 389.178	8.3394	7.9488	8.5553
Be 313.042	-0.0242u	-0.0301u	-0.0227u
Ca 370.602	14188	14226	14249
Cd 226.502	5.2160	5.0693	5.2055
Co 228.615	0.3377	0.1811	0.1620
Cr 267.716	285.188	286.682	286.699
Cu 324.754	2.9317	2.7832	2.7805
Fe 271.441	164.626	167.701	161.057
K 766.491	5242.22	5258.82	5274.27
Mg 279.078	2195.35	2197.58	2203.40
Mn 257.610	819.435	822.517	822.699
Mo 202.032	2.9061	3.5006	3.8923
Na 330.237	473452x	478277x	477332x
Ni 231.604	4.2612	6.6504	5.7174
Pb 220.353	-0.8777u	0.5249	-0.5357u
Sb 206.834	3.2056	1.5216	1.6570
Se 196.026	29.8558	31.7822	16.0670
Sn 189.925	-0.3749u	-3.1327u	0.9903
Sr 216.596	2200.29	2209.26	2208.86
Ti 334.941	0.0536u	0.1811	0.0894u
Tl 190.794	-25.4714u	-24.0854u	-27.9611u
V 292.401	0.5205u	-0.0313u	0.3562u
Zn 206.200	71.5074	71.8558	74.0673

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5198b	ppb	0.1870	36.0	-189.214
Al 308.215	4762.43b	ppb	5.3975	0.1	21849.5
As 188.980	0.1938b	ppb	2.4197	1248.8	1.7251
B 249.678	3286.19b	ppb	15.6986	0.5	31080.7
Ba 389.178	8.2812b	ppb	0.3074	3.7	156.453
Be 313.042	-0.0257b	ppb	0.0039	15.3	-247.400
Ca 370.602	14221b	ppb	31.18	0.2	40483
Cd 226.502	5.1636b	ppb	0.0818	1.6	185.903
Co 228.615	0.2269b	ppb	0.0964	42.5	17.2496
Cr 267.716	286.190b	ppb	0.8678	0.3	11216.1
Cu 324.754	2.8318b	ppb	0.0865	3.1	210.265
Fe 271.441	164.461b	ppb	3.3254	2.0	270.770
K 766.491	5258.44b	ppb	16.0249	0.3	222319
Mg 279.078	2198.78b	ppb	4.1602	0.2	4408.94
Mn 257.610	821.550b	ppb	1.8345	0.2	175727
Mo 202.032	3.4330b	ppb	0.4965	14.5	34.7542
Na 330.237	476354xb	ppb	2557.34	0.5	22899.8
Ni 231.604	5.5430b	ppb	1.2041	21.7	15.7810
Pb 220.353	-0.2962b	ppb	0.7313	246.9	4.1953
Sb 206.834	2.1281b	ppb	0.9356	44.0	4.4914
Se 196.026	25.9016b	ppb	8.5714	33.1	11.5143
Sn 189.925	-0.8391b	ppb	2.1003	250.3	-1.6517
Sr 216.596	2206.14b	ppb	5.0677	0.2	18909.2
Ti 334.941	0.1080b	ppb	0.0657	60.8	-30.4672
Tl 190.794	-25.8393b	ppb	1.9639	7.6	-27.4222
V 292.401	0.2818b	ppb	0.2833	100.5	-5.0082
Zn 206.200	72.4769b	ppb	1.3883	1.8	462.163

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88766-c-23-a (Samp) 3/30/2013, 11:08:44 AM Rack 1, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6601	-0.4051u	-0.3965u
Al 308.215	20.9855	22.5926	20.7038
As 188.980	0.9621	-4.4733u	-2.9303u
B 249.678	68.0192	59.4490	52.2339
Ba 389.178	-0.9351u	-1.1482u	-0.8482u
Be 313.042	-0.0500u	-0.0524u	-0.0472u
Ca 370.602	74.66	79.77	78.23
Cd 226.502	0.0481	-0.2851u	-0.4211u
Co 228.615	0.2032	-0.4887u	-0.0274u
Cr 267.716	-0.1919u	0.0083	0.3117
Cu 324.754	0.3518	0.5286	0.2046
Fe 271.441	37.4981	32.9173	31.2792
K 766.491	17.3847	17.3862	16.6206
Mg 279.078	9.1046	13.2499	6.5352
Mn 257.610	2.5536	2.5655	2.5068
Mo 202.032	-1.2599u	-0.4535u	-1.1310u
Na 330.237	404.360	249.594	-273.355u
Ni 231.604	-0.7092u	-1.2810u	-0.8997u
Pb 220.353	-2.9120u	-2.2333u	0.7970
Sb 206.834	0.0887	-2.4604u	4.4925
Se 196.026	-6.3279u	5.0620	5.0110
Sn 189.925	4.6218	1.8869	0.5317
Sr 216.596	0.2067	0.2251	-0.1366u
Ti 334.941	0.1989	0.2700	0.2695
Tl 190.794	2.2282	3.9642	4.5146
V 292.401	0.0520	-0.1896u	-0.8481u
Zn 206.200	5.1143	6.5677	5.5794

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0472	ppb	0.6125	1299.0	-78.8186
Al 308.215	21.4273	ppb	1.0189	4.8	222.132
As 188.980	-2.1472	ppb	2.8010	130.5	0.0906
B 249.678	59.9007	ppb	7.9023	13.2	807.381
Ba 389.178	-0.9772	ppb	0.1543	15.8	-36.8279
Be 313.042	-0.0499	ppb	0.0026	5.2	-240.945
Ca 370.602	77.55	ppb	2.626	3.4	198.5
Cd 226.502	-0.2193	ppb	0.2414	110.1	7.3337
Co 228.615	-0.1043	ppb	0.3523	337.7	13.0296
Cr 267.716	0.0427	ppb	0.2536	593.9	6.1518
Cu 324.754	0.3617	ppb	0.1623	44.9	101.582
Fe 271.441	33.8982	ppb	3.2234	9.5	63.3024
K 766.491	17.1305	ppb	0.4416	2.6	948.647
Mg 279.078	9.6299	ppb	3.3880	35.2	49.8451
Mn 257.610	2.5420	ppb	0.0310	1.2	611.215
Mo 202.032	-0.9481	ppb	0.4332	45.7	9.4744
Na 330.237	126.866	ppb	355.135	279.9	9.4406
Ni 231.604	-0.9633	ppb	0.2912	30.2	0.0325
Pb 220.353	-1.4494	ppb	1.9748	136.2	2.4376
Sb 206.834	0.7070	ppb	3.5174	497.5	1.3888
Se 196.026	1.2484	ppb	6.5613	525.6	-0.1444
Sn 189.925	2.3468	ppb	2.0835	88.8	0.3855
Sr 216.596	0.0984	ppb	0.2037	207.1	11.8434
Ti 334.941	0.2462	ppb	0.0409	16.6	22.3202
Tl 190.794	3.5690	ppb	1.1933	33.4	-0.2043
V 292.401	-0.3285	ppb	0.4659	141.8	-0.0484
Zn 206.200	5.7538	ppb	0.7423	12.8	10.6533

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88739-a-1-a (Samp) 3/30/2013, 11:14:08 AM Rack 1, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7605	0.3471	0.5739
Al 308.215	315.652	314.549	314.051
As 188.980	3.7137	10.3153	5.1545
B 249.678	134.789	133.178	131.220
Ba 389.178	67.6219	67.8801	67.1378
Be 313.042	-0.0211u	-0.0233u	-0.0390u
Ca 370.602	12189	12175	12216
Cd 226.502	2.6653	2.6637	2.8127
Co 228.615	1.4210	-0.2167u	1.1767
Cr 267.716	2.5649	2.6432	2.3973
Cu 324.754	56.2298	56.3382	55.7310
Fe 271.441	597.395	597.137	603.716
K 766.491	6933.36	6900.63	6923.18
Mg 279.078	4112.08	4097.41	4118.83
Mn 257.610	61.4467	61.1706	61.3668
Mo 202.032	255.535	257.425	254.879
Na 330.237	-10903.8u	-17947.3u	-16511.4u
Ni 231.604	1.5117	2.1494	2.9529
Pb 220.353	32.1586	29.8308	37.9806
Sb 206.834	154.799	131.357	143.352
Se 196.026	-2.1380u	-2.1267u	9.3654
Sn 189.925	4.9861	8.2356	3.8472
Sr 216.596	283.871	285.403	285.174
Ti 334.941	1.6212	1.6633	1.5877
Tl 190.794	5.2887	3.5894	5.6137
V 292.401	-0.4593u	-0.4919u	0.0990u
Zn 206.200	616239x	614664x	618265x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5605b	ppb	0.2070	36.9	-50.7158
Al 308.215	314.751b	ppb	0.8190	0.3	1587.08
As 188.980	6.3945b	ppb	3.4711	54.3	5.6418
B 249.678	133.062b	ppb	1.7871	1.3	1493.36
Ba 389.178	67.5466b	ppb	0.3768	0.6	1366.59
Be 313.042	-0.0278b	ppb	0.0098	35.3	-166.129
Ca 370.602	12194b	ppb	20.98	0.2	34659
Cd 226.502	2.7139b	ppb	0.0855	3.2	108.356
Co 228.615	0.7937b	ppb	0.8835	111.3	14.7036
Cr 267.716	2.5352b	ppb	0.1256	5.0	91.6889
Cu 324.754	56.0997b	ppb	0.3238	0.6	2557.36
Fe 271.441	599.416b	ppb	3.7262	0.6	959.339
K 766.491	6919.06b	ppb	16.7495	0.2	292457
Mg 279.078	4109.44b	ppb	10.9529	0.3	8238.36
Mn 257.610	61.3280b	ppb	0.1421	0.2	13204.8
Mo 202.032	255.946b	ppb	1.3222	0.5	1492.05
Na 330.237	-15120.8b	ppb	3721.95	24.6	-5009.40
Ni 231.604	2.2047b	ppb	0.7222	32.8	8.2482
Pb 220.353	33.3233b	ppb	4.1979	12.6	52.8638
Sb 206.834	143.169b	ppb	11.7220	8.2	105.034
Se 196.026	1.7002b	ppb	6.6382	390.4	0.0826
Sn 189.925	5.6896b	ppb	2.2772	40.0	2.6076
Sr 216.596	284.816b	ppb	0.8266	0.3	2444.40
Ti 334.941	1.6241b	ppb	0.0378	2.3	359.432
Tl 190.794	4.8306b	ppb	1.0871	22.5	0.7154
V 292.401	-0.2840b	ppb	0.3321	116.9	-43.0002
Zn 206.200	616389xb	ppb	1805.22	0.3	4827034

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88739-a-1-aSD^5 (Samp) **3/30/2013, 11:19:33 AM** **Rack 1, Tube 18****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.5451	0.1516	0.0137u
Al 308.215	60.5616	61.4464	60.0309
As 188.980	-2.7582u	-4.3555u	1.8748
B 249.678	18.1852	17.6437	18.4728
Ba 389.178	13.1466	13.2785	11.9073
Be 313.042	-0.0619u	-0.0566u	-0.0477u
Ca 370.602	2347	2361	2355
Cd 226.502	0.5701	0.6020	0.3310
Co 228.615	0.9994	0.1126u	-0.7322u
Cr 267.716	0.6974	0.7782	0.5071
Cu 324.754	10.1810	10.5763	11.0987
Fe 271.441	122.804	103.484	112.649
K 766.491	1280.80	1279.05	1282.18
Mg 279.078	827.226	829.892	820.785
Mn 257.610	14.1469	14.1359	14.0489
Mo 202.032	46.1629	47.2578	48.5029
Na 330.237	23974.8u	24843.5u	25321.2u
Ni 231.604	0.7438	-0.8347u	0.3538
Pb 220.353	6.0044	1.3420	5.8503
Sb 206.834	35.6918	35.8986	30.5293
Se 196.026	-3.1667u	-3.7358u	7.5342
Sn 189.925	5.9649	1.8579	-1.4914u
Sr 216.596	55.6719	56.3463	55.6229
Ti 334.941	0.1953	0.1736	0.1665
Tl 190.794	6.9670	0.1808	3.3415
V 292.401	-0.6041u	0.0696u	-0.1940u
Zn 206.200	299567x	299885x	299210x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2368b	ppb	0.2758	116.5	-62.8181
Al 308.215	60.6796b	ppb	0.7151	1.2	406.245
As 188.980	-1.7463b	ppb	3.2360	185.3	0.3555
B 249.678	18.1006b	ppb	0.4210	2.3	415.086
Ba 389.178	12.7775b	ppb	0.7564	5.9	244.805
Be 313.042	-0.0554b	ppb	0.0072	12.9	-233.336
Ca 370.602	2354b	ppb	6.914	0.3	6676
Cd 226.502	0.5010b	ppb	0.1481	29.6	31.9273
Co 228.615	0.1266b	ppb	0.8659	684.0	13.9946
Cr 267.716	0.6609b	ppb	0.1392	21.1	25.5124
Cu 324.754	10.6187b	ppb	0.4603	4.3	553.515
Fe 271.441	112.979b	ppb	9.6639	8.6	188.576
K 766.491	1280.68b	ppb	1.5710	0.1	54315.5
Mg 279.078	825.968b	ppb	4.6823	0.6	1680.31
Mn 257.610	14.1106b	ppb	0.0537	0.4	3089.47
Mo 202.032	47.3079b	ppb	1.1708	2.5	287.968
Na 330.237	24713.2b	ppb	682.585	2.8	-893.927
Ni 231.604	0.0877b	ppb	0.8222	938.0	2.8392
Pb 220.353	4.3989b	ppb	2.6485	60.2	10.9134
Sb 206.834	34.0399b	ppb	3.0420	8.9	25.7576
Se 196.026	0.2106b	ppb	6.3488	3015.1	-0.6240
Sn 189.925	2.1104b	ppb	3.7345	177.0	0.2108
Sr 216.596	55.8804b	ppb	0.4043	0.7	488.466
Ti 334.941	0.1785b	ppb	0.0150	8.4	13.0399
Tl 190.794	3.4964b	ppb	3.3958	97.1	-0.3063
V 292.401	-0.2428b	ppb	0.3395	139.8	-6.1951
Zn 206.200	299554xb	ppb	337.628	0.1	450523

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88739-a-1-aPDS (Samp) **3/30/2013, 11:24:57 AM** **Rack 1, Tube 19****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.2708	53.3274	53.9562
Al 308.215	2390.22	2403.97	2404.57
As 188.980	2386.44	2391.54	2399.62
B 249.678	1270.23	1281.22	1292.49
Ba 389.178	2217.01	2225.11	2228.63
Be 313.042	54.6009	54.8467	55.0032
Ca 370.602	17228	17294	17382
Cd 226.502	56.3790	56.7972	57.2551
Co 228.615	545.976	540.665	550.088
Cr 267.716	218.245	219.607	219.749
Cu 324.754	330.066	330.986	331.989
Fe 271.441	1652.18	1647.89	1653.30
K 766.491	12172.9	12197.7	12220.7
Mg 279.078	9346.62	9382.51	9410.46
Mn 257.610	604.289	606.907	608.108
Mo 202.032	797.794	804.267	802.320
Na 330.237	-4211.28u	-8326.70u	-8161.85u
Ni 231.604	541.347	538.872	536.636
Pb 220.353	561.498	555.994	563.334
Sb 206.834	666.939	678.732	681.231
Se 196.026	2441.93	2429.87	2452.64
Sn 189.925	1076.90	1086.62	1089.27
Sr 216.596	828.431	831.103	833.115
Ti 334.941	1071.35	1079.27	1083.09
Tl 190.794	2164.51	2156.00	2173.69
V 292.401	538.998	538.832	540.820
Zn 206.200	618207x	619561x	619627x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5181b	ppb	0.3804	0.7	3311.75
Al 308.215	2399.59b	ppb	8.1190	0.3	11146.8
As 188.980	2392.53b	ppb	6.6472	0.3	1548.17
B 249.678	1281.31b	ppb	11.1291	0.9	12266.7
Ba 389.178	2223.58b	ppb	5.9583	0.3	45187.5
Be 313.042	54.8169b	ppb	0.2028	0.4	102990
Ca 370.602	17301b	ppb	77.30	0.4	49317
Cd 226.502	56.8104b	ppb	0.4382	0.8	1926.81
Co 228.615	545.576b	ppb	4.7242	0.9	5785.00
Cr 267.716	219.201b	ppb	0.8302	0.4	8571.45
Cu 324.754	331.014b	ppb	0.9621	0.3	14647.3
Fe 271.441	1651.13b	ppb	2.8581	0.2	2708.20
K 766.491	12197.1b	ppb	23.9009	0.2	515380
Mg 279.078	9379.86b	ppb	32.0023	0.3	18757.4
Mn 257.610	606.435b	ppb	1.9532	0.3	129781
Mo 202.032	801.461b	ppb	3.3212	0.4	4639.49
Na 330.237	-6899.94b	ppb	2329.91	33.8	-4639.13
Ni 231.604	538.952b	ppb	2.3565	0.4	1307.11
Pb 220.353	560.275b	ppb	3.8200	0.7	820.240
Sb 206.834	675.634b	ppb	7.6335	1.1	498.591
Se 196.026	2441.48b	ppb	11.3889	0.5	1135.07
Sn 189.925	1084.26b	ppb	6.5088	0.6	742.068
Sr 216.596	830.883b	ppb	2.3499	0.3	7099.79
Ti 334.941	1077.90b	ppb	5.9857	0.6	239972
Tl 190.794	2164.73b	ppb	8.8472	0.4	1920.31
V 292.401	539.550b	ppb	1.1027	0.2	13427.7
Zn 206.200	619131xb	ppb	801.486	0.1	4821158

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88739-a-1-b ms (Samp) **3/30/2013, 11:30:22 AM** **Rack 1, Tube 20****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	43.5924	43.6873	43.1838
Al 308.215	5056.73	5097.69	5065.89
As 188.980	116.870	111.771	114.588
B 249.678	333.841	333.528	331.928
Ba 389.178	164.357	165.555	164.940
Be 313.042	49.7644	50.0294	49.7518
Ca 370.602	17283	17394	17265
Cd 226.502	51.7120	52.1796	51.7342
Co 228.615	49.6379	49.1270	49.0246
Cr 267.716	99.1684	99.4072	99.0965
Cu 324.754	155.515	156.039	155.572
Fe 271.441	5390.32	5407.38	5393.08
K 766.491	11931.5	12039.9	12125.5
Mg 279.078	8967.85	8999.54	8938.56
Mn 257.610	551.627	553.272	550.745
Mo 202.032	359.435	363.161	358.649
Na 330.237	-6308.45u	-9260.86u	-9336.01u
Ni 231.604	97.4600	96.3537	96.1073
Pb 220.353	85.0047	79.9478	84.6309
Sb 206.834	211.279	205.478	207.815
Se 196.026	125.589	96.7519	120.331
Sn 189.925	188.293	191.817	188.844
Sr 216.596	394.040	395.991	392.554
Ti 334.941	97.9816	98.5674	98.0096
Tl 190.794	37.4846	43.4044	41.4504
V 292.401	97.4438	98.3671	98.0079
Zn 206.200	627584x	629806x	628336x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	43.4878b	ppb	0.2675	0.6	2685.87
Al 308.215	5073.44b	ppb	21.4997	0.4	23304.2
As 188.980	114.410b	ppb	2.5544	2.2	75.4391
B 249.678	333.099b	ppb	1.0262	0.3	3365.89
Ba 389.178	164.951b	ppb	0.5990	0.4	3363.34
Be 313.042	49.8485b	ppb	0.1567	0.3	93723.0
Ca 370.602	17314b	ppb	69.88	0.4	48919
Cd 226.502	51.8753b	ppb	0.2638	0.5	1769.29
Co 228.615	49.2632b	ppb	0.3286	0.7	526.428
Cr 267.716	99.2240b	ppb	0.1626	0.2	3877.64
Cu 324.754	155.709b	ppb	0.2878	0.2	6937.63
Fe 271.441	5396.93b	ppb	9.1587	0.2	8565.97
K 766.491	12032.3b	ppb	97.2599	0.8	508419
Mg 279.078	8968.65b	ppb	30.5006	0.3	17936.7
Mn 257.610	551.881b	ppb	1.2824	0.2	118125
Mo 202.032	360.415b	ppb	2.4102	0.7	2094.63
Na 330.237	-8301.78b	ppb	1726.67	20.8	-4770.14
Ni 231.604	96.6403b	ppb	0.7204	0.7	236.871
Pb 220.353	83.1945b	ppb	2.8179	3.4	125.441
Sb 206.834	208.191b	ppb	2.9185	1.4	153.562
Se 196.026	114.224b	ppb	15.3579	13.4	52.5634
Sn 189.925	189.651b	ppb	1.8958	1.0	128.730
Sr 216.596	394.195b	ppb	1.7239	0.4	3379.01
Ti 334.941	98.1862b	ppb	0.3304	0.3	21873.8
Tl 190.794	40.7798b	ppb	3.0164	7.4	31.8399
V 292.401	97.9396b	ppb	0.4654	0.5	2402.46
Zn 206.200	628575xb	ppb	1130.54	0.3	485361

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88739-a-1-c msd (Samp) **3/30/2013, 11:35:48 AM** **Rack 1, Tube 21****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	45.7228	45.6356	45.6422
Al 308.215	4925.90	4901.09	4923.14
As 188.980	114.159	119.450	111.079
B 249.678	308.856	306.860	309.191
Ba 389.178	159.725	158.899	157.047
Be 313.042	48.3554	48.2179	48.3309
Ca 370.602	16417	16337	16368
Cd 226.502	50.6640	50.1873	50.4069
Co 228.615	49.2304	46.7826	47.9710
Cr 267.716	96.7025	96.5674	96.6024
Cu 324.754	150.203	149.548	149.337
Fe 271.441	5302.13	5296.99	5296.32
K 766.491	11816.8	11757.2	11769.5
Mg 279.078	8630.16	8589.95	8605.28
Mn 257.610	534.418	532.587	533.789
Mo 202.032	347.522	344.467	345.336
Na 330.237	-2779.52u	-1997.21u	-5658.05u
Ni 231.604	94.9960	93.6968	94.9456
Pb 220.353	79.2739	84.9281	81.7931
Sb 206.834	186.055	202.394	193.464
Se 196.026	92.9776	82.2126	118.091
Sn 189.925	187.154	193.907	189.318
Sr 216.596	371.980	372.885	372.366
Ti 334.941	94.8261	94.5937	95.0026
Tl 190.794	40.9383	37.6452	44.0642
V 292.401	95.2258	94.5741	94.5421
Zn 206.200	619249x	622585x	622829x

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	45.6669b	ppb	0.0486	0.1	2825.55
Al 308.215	4916.71b	ppb	13.5956	0.3	22587.9
As 188.980	114.896b	ppb	4.2337	3.7	75.7503
B 249.678	308.303b	ppb	1.2600	0.4	3133.30
Ba 389.178	158.557b	ppb	1.3713	0.9	3232.44
Be 313.042	48.3014b	ppb	0.0734	0.2	90809.9
Ca 370.602	16374b	ppb	40.43	0.2	46248
Cd 226.502	50.4194b	ppb	0.2386	0.5	1720.13
Co 228.615	47.9947b	ppb	1.2241	2.6	513.350
Cr 267.716	96.6241b	ppb	0.0701	0.1	3776.14
Cu 324.754	149.696b	ppb	0.4517	0.3	6673.07
Fe 271.441	5298.48b	ppb	3.1813	0.1	8409.83
K 766.491	11781.2b	ppb	31.4327	0.3	497812
Mg 279.078	8608.46b	ppb	20.2924	0.2	17217.5
Mn 257.610	533.598b	ppb	0.9304	0.2	114214
Mo 202.032	345.775b	ppb	1.5742	0.5	2010.14
Na 330.237	-3478.26b	ppb	1927.86	55.4	-4490.60
Ni 231.604	94.5462b	ppb	0.7360	0.8	231.796
Pb 220.353	81.9984b	ppb	2.8327	3.5	123.714
Sb 206.834	193.971b	ppb	8.1812	4.2	143.070
Se 196.026	97.7603b	ppb	18.4111	18.8	44.9006
Sn 189.925	190.127b	ppb	3.4485	1.8	129.060
Sr 216.596	372.410b	ppb	0.4541	0.1	3192.75
Ti 334.941	94.8075b	ppb	0.2051	0.2	21119.4
Tl 190.794	40.8826b	ppb	3.2099	7.9	31.9628
V 292.401	94.7807b	ppb	0.3858	0.4	2325.51
Zn 206.200	621554xb	ppb	2000.57	0.3	824802

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88754-f-1-a (Samp) 3/30/2013, 11:41:14 AM Rack 1, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2644	-0.0135u	0.7062
Al 308.215	299.436	294.404	301.100
As 188.980	-6.0574u	-2.8763u	2.2480
B 249.678	96.2269	95.1192	94.5186
Ba 389.178	14.4022	13.1562	13.3460
Be 313.042	0.0032	-0.0058	0.0106
Ca 370.602	79733	79825	79841
Cd 226.502	-0.1689u	-0.0126	-0.1088
Co 228.615	3.5475	3.6102	4.1306
Cr 267.716	0.2184	0.2358	0.3640
Cu 324.754	0.2678	0.7806	0.9033
Fe 271.441	1945.62	1942.46	1945.99
K 766.491	3418.13	3409.52	3416.10
Mg 279.078	28758.0	28765.6	28741.9
Mn 257.610	1080.23	1079.15	1079.26
Mo 202.032	-0.9693u	-0.6339u	-0.6596u
Na 330.237	87747.8	87648.6	87525.9
Ni 231.604	4.7221	7.9613	6.7243
Pb 220.353	-1.8039u	-5.1063u	-4.5007u
Sb 206.834	5.8536	3.3365	-0.7901u
Se 196.026	9.5253	12.1237	10.0544
Sn 189.925	-0.0463	1.3867	-2.7627u
Sr 216.596	162.538	161.578	161.200
Ti 334.941	-0.0390	0.0040	-0.1291
Tl 190.794	2.8822	-0.5440u	2.7524
V 292.401	-1.3750u	-0.9035u	-0.9320u
Zn 206.200	89.8766	86.3588	84.2090

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3190b	ppb	0.3629	113.8	-57.9439
Al 308.215	298.313b	ppb	3.4862	1.2	1485.21
As 188.980	-2.2286b	ppb	4.1904	188.0	0.7181
B 249.678	95.2882b	ppb	0.8666	0.9	1137.65
Ba 389.178	13.6348b	ppb	0.6713	4.9	328.440
Be 313.042	0.0027b	ppb	0.0082	307.3	-126.404
Ca 370.602	79799b	ppb	58.41	0.1	227094
Cd 226.502	-0.0967b	ppb	0.0788	81.5	15.5136
Co 228.615	3.7627b	ppb	0.3201	8.5	53.8725
Cr 267.716	0.2727b	ppb	0.0795	29.2	20.6253
Cu 324.754	0.6506b	ppb	0.3371	51.8	114.785
Fe 271.441	1944.69b	ppb	1.9390	0.1	3090.28
K 766.491	3414.58b	ppb	4.5013	0.1	144443
Mg 279.078	28755.2b	ppb	12.0816	0.0	57453.2
Mn 257.610	1079.55b	ppb	0.5953	0.1	231038
Mo 202.032	-0.7543b	ppb	0.1867	24.8	10.5181
Na 330.237	87640.8b	ppb	111.122	0.1	4214.88
Ni 231.604	6.4692b	ppb	1.6346	25.3	18.0547
Pb 220.353	-3.8036b	ppb	1.7581	46.2	-0.7973
Sb 206.834	2.8000b	ppb	3.3542	119.8	2.9819
Se 196.026	10.5678b	ppb	1.3732	13.0	4.4519
Sn 189.925	-0.4741b	ppb	2.1075	444.5	-1.4949
Sr 216.596	161.772b	ppb	0.6897	0.4	1403.62
Ti 334.941	-0.0547b	ppb	0.0679	124.2	53.3429
Tl 190.794	1.6969b	ppb	1.9418	114.4	-3.3602
V 292.401	-1.0702b	ppb	0.2644	24.7	-19.0396
Zn 206.200	86.8148b	ppb	2.8612	3.3	122.566

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88724-e-1-a (Samp) **3/30/2013, 11:46:40 AM** **Rack 1, Tube 23****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5132u	-0.2956u	-0.5591u
Al 308.215	27.7288	27.5721	28.4638
As 188.980	-3.8990u	-3.0699u	2.6760
B 249.678	13.0966	13.3820	13.2576
Ba 389.178	131.833	128.669	129.483
Be 313.042	-0.0494u	-0.0532u	-0.0605u
Ca 370.602	31891	31934	31923
Cd 226.502	-0.5792u	-0.0756u	-0.2162u
Co 228.615	0.2117	-0.0146u	0.0162
Cr 267.716	0.5548	0.4005	0.1434
Cu 324.754	2567.69	2527.59	2535.74
Fe 271.441	82.4109	89.5267	87.5149
K 766.491	10054.0	10049.8	10063.1
Mg 279.078	7403.54	7410.15	7422.52
Mn 257.610	39.5133	39.5623	39.4948
Mo 202.032	-0.3566u	-0.3842u	0.0402
Na 330.237	59513.8	59646.6	59842.3
Ni 231.604	-0.8351u	-0.3061u	-0.5128u
Pb 220.353	0.6688	-3.7434u	-4.5409u
Sb 206.834	-4.2209u	0.1049	1.6970
Se 196.026	10.0200	9.9717	5.7351
Sn 189.925	5.7485	1.3143	6.8313
Sr 216.596	500.158	501.372	501.071
Ti 334.941	0.1384	0.1516	0.0711
Tl 190.794	3.2171	-0.2403u	0.8015
V 292.401	-1.2522u	-0.4253u	-0.7494u
Zn 206.200	70.7205	71.2195	71.7929

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4560	ppb	0.1407	30.9	-123.902
Al 308.215	27.9216	ppb	0.4761	1.7	251.806
As 188.980	-1.4310	ppb	3.5808	250.2	0.8327
B 249.678	13.2454	ppb	0.1431	1.1	369.571
Ba 389.178	129.995	ppb	1.6430	1.3	2641.18
Be 313.042	-0.0544	ppb	0.0056	10.3	-246.033
Ca 370.602	31916	ppb	22.37	0.1	90856
Cd 226.502	-0.2903	ppb	0.2599	89.5	4.8325
Co 228.615	0.0711	ppb	0.1227	172.6	14.8789
Cr 267.716	0.3663	ppb	0.2078	56.7	19.8408
Cu 324.754	2543.67	ppb	21.1935	0.8	111868
Fe 271.441	86.4842	ppb	3.6682	4.2	146.506
K 766.491	10055.7	ppb	6.7902	0.1	424934
Mg 279.078	7412.07	ppb	9.6340	0.1	14835.7
Mn 257.610	39.5235	ppb	0.0349	0.1	8558.06
Mo 202.032	-0.2335	ppb	0.2375	101.7	13.5977
Na 330.237	59667.6	ppb	165.257	0.3	2870.92
Ni 231.604	-0.5514	ppb	0.2666	48.4	1.0302
Pb 220.353	-2.5385	ppb	2.8060	110.5	0.8558
Sb 206.834	-0.8063	ppb	3.0624	379.8	0.2598
Se 196.026	8.5756	ppb	2.4600	28.7	3.2727
Sn 189.925	4.6314	ppb	2.9232	63.1	1.9805
Sr 216.596	500.867	ppb	0.6323	0.1	4303.85
Ti 334.941	0.1203	ppb	0.0432	35.9	17.1657
Tl 190.794	1.2594	ppb	1.7736	140.8	-2.3087
V 292.401	-0.8089	ppb	0.4166	51.5	-12.5723
Zn 206.200	71.2443	ppb	0.5367	0.8	462.148

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88787-a-1-a (Samp) 3/30/2013, 11:52:06 AM Rack 1, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4739u	-0.7857u	-0.4089u
Al 308.215	633.566	634.473	631.235
As 188.980	-8.7744u	-6.5872u	-6.1684u
B 249.678	63.4026	63.1045	64.9548
Ba 389.178	39.3454	39.4255	39.0775
Be 313.042	-0.0252u	-0.0352u	-0.0267u
Ca 370.602	25163	25194	25226
Cd 226.502	78.0199	78.1304	78.0072
Co 228.615	0.3533	0.2246	-0.3394u
Cr 267.716	67.0795	66.7557	66.7430
Cu 324.754	12.6805	13.2394	12.7886
Fe 271.441	967.297	988.759	971.874
K 766.491	17414.2	17412.7	17432.0
Mg 279.078	1628.08	1612.21	1625.54
Mn 257.610	58.4444	58.3513	58.4188
Mo 202.032	68.1610	69.7481	68.5983
Na 330.237	22878.4	22787.8	23010.6
Ni 231.604	9.6997	10.3738	9.8811
Pb 220.353	1.3777	0.1023	-3.5342u
Sb 206.834	-1.0155u	-2.2428u	-3.3166u
Se 196.026	8.2269	3.8600	2.2660
Sn 189.925	1.7156	-1.8858u	4.0584
Sr 216.596	143.121	144.028	144.381
Ti 334.941	7.5677	7.5755	7.5753
Tl 190.794	2.1359	4.8248	3.3295
V 292.401	2.4268	1.6779	1.4967
Zn 206.200	75.7423	74.7401	77.1197

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5561	ppb	0.2014	36.2	-116.592
Al 308.215	633.091	ppb	1.6706	0.3	3019.64
As 188.980	-7.1767	ppb	1.3994	19.5	-2.9696
B 249.678	63.8206	ppb	0.9934	1.6	843.308
Ba 389.178	39.2828	ppb	0.1823	0.5	786.319
Be 313.042	-0.0290	ppb	0.0054	18.7	-207.421
Ca 370.602	25194	ppb	31.79	0.1	71652
Cd 226.502	78.0525	ppb	0.0678	0.1	2636.90
Co 228.615	0.0795	ppb	0.3684	463.4	13.1901
Cr 267.716	66.8594	ppb	0.1907	0.3	2621.51
Cu 324.754	12.9028	ppb	0.2965	2.3	654.625
Fe 271.441	975.977	ppb	11.3040	1.2	1555.68
K 766.491	17419.6	ppb	10.7519	0.1	735958
Mg 279.078	1621.95	ppb	8.5259	0.5	3269.60
Mn 257.610	58.4048	ppb	0.0481	0.1	12566.1
Mo 202.032	68.8358	ppb	0.8198	1.2	412.174
Na 330.237	22892.3	ppb	112.049	0.5	1102.90
Ni 231.604	9.9849	ppb	0.3488	3.5	26.5436
Pb 220.353	-0.6848	ppb	2.5488	372.2	3.4690
Sb 206.834	-2.1916	ppb	1.1514	52.5	-0.9761
Se 196.026	4.7843	ppb	3.0861	64.5	1.5185
Sn 189.925	1.2961	ppb	2.9942	231.0	-0.3194
Sr 216.596	143.844	ppb	0.6501	0.5	1243.30
Ti 334.941	7.5729	ppb	0.0044	0.1	1657.81
Tl 190.794	3.4301	ppb	1.3473	39.3	-0.4699
V 292.401	1.8671	ppb	0.4931	26.4	38.8430
Zn 206.200	75.8674	ppb	1.1947	1.6	115.906

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 11:57:31 AM Rack 1, Tube 25

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	493.474	511.017	502.727
Al 308.215	5072.40	5155.05	5132.45
As 188.980	495.118	508.296	519.341
B 249.678	565.280	574.605	576.945
Ba 389.178	4651.21	4693.65	4674.56
Be 313.042	478.718	485.038	482.856
Ca 370.602	4868	4939	4890
Cd 226.502	474.194	477.829	476.268
Co 228.615	476.293	482.221	479.352
Cr 267.716	4718.30	4782.74	4756.84
Cu 324.754	4574.90	4817.61	4819.01
Fe 271.441	5057.16	5105.34	5061.68
K 766.491	10098.6	10175.3	10139.3
Mg 279.078	5055.10	5104.90	5091.98
Mn 257.610	4727.71	4773.44	4756.34
Mo 202.032	487.856	494.424	491.605
Na 330.237	7187.94	7661.19	7613.16
Ni 231.604	2401.74	2430.72	2420.74
Pb 220.353	498.024	500.990	500.769
Sb 206.834	964.837	990.531	974.150
Se 196.026	5110.09	5144.83	5131.59
Sn 189.925	4968.93	5065.19	5053.68
Sr 216.596	2451.06	2482.63	2475.07
Ti 334.941	498.166	505.286	503.152
Tl 190.794	4983.05	5046.69	5022.02
V 292.401	4957.40	4996.96	4977.10
Zn 206.200	2394.10	2416.58	2408.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	502.406	ppb	8.7758	1.7	31923.8	100.48122
Al 308.215	5119.96	ppb	42.7186	0.8	23461.2	102.39928
As 188.980	507.585	ppb	12.1272	2.4	329.485	101.51701
B 249.678	572.276	ppb	6.1710	1.1	5610.41	22.89106Q
Ba 389.178	4673.14	ppb	21.2562	0.5	94956.5	93.46278
Be 313.042	482.204	ppb	3.2103	0.7	907481	96.44081
Ca 370.602	4899	ppb	36.22	0.7	13800	97.97530
Cd 226.502	476.097	ppb	1.8235	0.4	16008.5	95.21941
Co 228.615	479.289	ppb	2.9645	0.6	5090.58	95.85773
Cr 267.716	4752.63	ppb	32.4281	0.7	186001	95.05255
Cu 324.754	4737.17	ppb	140.536	3.0	208232	94.74344
Fe 271.441	5074.73	ppb	26.6105	0.5	8159.18	101.49453
K 766.491	10137.7	ppb	38.3409	0.4	428400	101.37720
Mg 279.078	5083.99	ppb	25.8410	0.5	10113.2	101.67987
Mn 257.610	4752.50	ppb	23.1041	0.5	1016206	95.04994
Mo 202.032	491.295	ppb	3.2952	0.7	2842.66	98.25905
Na 330.237	7487.43	ppb	260.475	3.5	341.513	99.83245
Ni 231.604	2417.73	ppb	14.7195	0.6	5852.99	96.70929
Pb 220.353	499.928	ppb	1.6525	0.3	733.608	99.98550
Sb 206.834	976.506	ppb	13.0079	1.3	762.198	97.65059
Se 196.026	5128.84	ppb	17.5327	0.3	2386.08	102.57677
Sn 189.925	5029.27	ppb	52.5693	1.0	3446.78	100.58539
Sr 216.596	2469.59	ppb	16.4807	0.7	21120.1	98.78348
Ti 334.941	502.201	ppb	3.6538	0.7	111783	100.44025
Tl 190.794	5017.25	ppb	32.0884	0.6	4452.59	100.34505
V 292.401	4977.15	ppb	19.7825	0.4	124723	99.54308
Zn 206.200	2406.40	ppb	11.3887	0.5	2607.19	96.25582

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 12:02:55 PM Rack 1, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.4614	0.5283	-0.6555u
Al 308.215	0.2394	1.8358	-2.7018u
As 188.980	-2.7382u	-8.2767u	-0.5147u
B 249.678	-2.3497u	-4.4581u	-4.9477u
Ba 389.178	0.7011	-0.0461u	0.2884
Be 313.042	-0.0490u	-0.0563u	-0.0542u
Ca 370.602	6.121	-1.668u	-0.2573u
Cd 226.502	-0.2247u	0.0587	0.0507
Co 228.615	-0.0622u	-0.5720u	0.1902
Cr 267.716	-0.4293u	-0.2124u	-0.2267u
Cu 324.754	-0.5841u	0.8232	-0.6456u
Fe 271.441	-3.8006u	10.5719	-6.9341u
K 766.491	-0.6525u	-1.1717u	-0.2482u
Mg 279.078	5.7582	-0.3034u	-1.2003u
Mn 257.610	-0.1281u	-0.1647u	-0.1017u
Mo 202.032	0.7272	-0.8259u	-0.1882u
Na 330.237	62.5564	-112.692u	48.5409
Ni 231.604	-0.3720u	-1.5771u	-2.0430u
Pb 220.353	-2.9951u	-1.0181u	0.1306
Sb 206.834	10.5761	14.4845	4.9669
Se 196.026	2.5018	-2.4377u	0.7846
Sn 189.925	-1.7195u	0.2751	2.1225
Sr 216.596	0.2560	-0.4346u	0.3391
Ti 334.941	-0.0849u	-0.1728u	-0.1994u
Tl 190.794	2.4576	5.9311	0.9763
V 292.401	-0.2359u	-0.3538u	-0.4816u
Zn 206.200	3.1739	4.5968	5.4855

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.4448	ppb	1.0609	238.5	-47.4518	0.44477
Al 308.215	-0.2089	ppb	2.3018	1102.0	123.524	-0.20888
As 188.980	-3.8432	ppb	3.9972	104.0	-1.0064	-3.84321
B 249.678	-3.9185	ppb	1.3805	35.2	208.579	-3.91850
Ba 389.178	0.3145	ppb	0.3743	119.0	-10.6470	0.31446
Be 313.042	-0.0532	ppb	0.0038	7.1	-247.307	-0.05319
Ca 370.602	1.398	ppb	4.150	296.8	-15.79	1.39841
Cd 226.502	-0.0384	ppb	0.1614	419.8	13.3254	-0.03845
Co 228.615	-0.1480	ppb	0.3883	262.4	12.5339	-0.14800
Cr 267.716	-0.2895	ppb	0.1213	41.9	-6.8702	-0.28946
Cu 324.754	-0.1355	ppb	0.8308	613.2	79.7449	-0.13550
Fe 271.441	-0.0543	ppb	9.3349	17190.5	9.4500	-0.05430
K 766.491	-0.6908	ppb	0.4629	67.0	195.948	-0.69082
Mg 279.078	1.4182	ppb	3.7852	266.9	33.4824	1.41819
Mn 257.610	-0.1315	ppb	0.0316	24.1	39.4848	-0.13148
Mo 202.032	-0.0956	ppb	0.7806	816.2	14.3959	-0.09565
Na 330.237	-0.5314	ppb	97.3860	18324.8	3.3393	-0.53144
Ni 231.604	-1.3307	ppb	0.8623	64.8	-0.8573	-1.33069
Pb 220.353	-1.2942	ppb	1.5811	122.2	2.6632	-1.29420
Sb 206.834	10.0092	ppb	4.7840	47.8	8.3119	10.00915Z
Se 196.026	0.2829	ppb	2.5077	886.4	-0.5943	0.28290
Sn 189.925	0.2261	ppb	1.9214	850.0	-1.0685	0.22605
Sr 216.596	0.0535	ppb	0.4248	794.4	11.3984	0.05347
Ti 334.941	-0.1524	ppb	0.0599	39.3	-66.4232	-0.15237
Tl 190.794	3.1217	ppb	2.5433	81.5	-0.5974	3.12167
V 292.401	-0.3571	ppb	0.1229	34.4	-0.9014	-0.35710
Zn 206.200	4.4187	ppb	1.1660	26.4	8.6464	4.41871

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88710-e-1-a (Samp) **3/30/2013, 12:08:18 PM** **Rack 1, Tube 27****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.5243	1.3746	-0.3146u
Al 308.215	343.806	339.326	347.087
As 188.980	-6.0533u	-3.8322u	-1.6467u
B 249.678	-0.0314u	-2.4770u	-1.2676u
Ba 389.178	35.3015	35.0226	36.0640
Be 313.042	-0.0007u	0.0116	0.0076
Ca 370.602	4222	4250	4312
Cd 226.502	-0.4813u	-0.1582u	-0.1901u
Co 228.615	1.4314	0.1781	0.6944
Cr 267.716	0.1344	0.5455	0.3722
Cu 324.754	2.5113	2.4321	1.0639
Fe 271.441	580.682	588.003	594.082
K 766.491	2631.01	2626.45	2649.36
Mg 279.078	1930.87	1940.58	1959.59
Mn 257.610	87.1740	87.4416	88.1352
Mo 202.032	0.0938	0.0535	0.0581
Na 330.237	5594.07	5543.45	5519.39
Ni 231.604	0.1343	-1.3407u	0.3681
Pb 220.353	0.5147	0.6799	-0.7376u
Sb 206.834	-2.9682u	-4.4793u	2.8098
Se 196.026	-8.8465u	5.0217	14.3161
Sn 189.925	-1.8339u	2.5994	3.3180
Sr 216.596	36.9571	37.2921	37.7929
Ti 334.941	8.9861	8.7128	8.5934
Tl 190.794	1.6691	1.9093	4.3292
V 292.401	1.6069	1.1032	1.0117
Zn 206.200	122.682	120.040	119.990

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5281	ppb	0.8446	159.9	-43.2568
Al 308.215	343.406	ppb	3.8963	1.1	1690.96
As 188.980	-3.8440	ppb	2.2033	57.3	-0.9758
B 249.678	-1.2587	ppb	1.2228	97.2	232.984
Ba 389.178	35.4627	ppb	0.5391	1.5	708.663
Be 313.042	0.0062	ppb	0.0063	102.0	-134.993
Ca 370.602	4261	ppb	45.75	1.1	12075
Cd 226.502	-0.2766	ppb	0.1781	64.4	6.6282
Co 228.615	0.7679	ppb	0.6299	82.0	22.4173
Cr 267.716	0.3507	ppb	0.2064	58.9	18.6959
Cu 324.754	2.0024	ppb	0.8138	40.6	173.838
Fe 271.441	587.589	ppb	6.7097	1.1	940.388
K 766.491	2635.61	ppb	12.1315	0.5	111542
Mg 279.078	1943.68	ppb	14.6069	0.8	3911.84
Mn 257.610	87.5836	ppb	0.4960	0.6	18805.2
Mo 202.032	0.0685	ppb	0.0221	32.3	15.3170
Na 330.237	5552.30	ppb	38.1200	0.7	269.200
Ni 231.604	-0.2794	ppb	0.9265	331.6	1.6983
Pb 220.353	0.1523	ppb	0.7752	508.9	4.7797
Sb 206.834	-1.5459	ppb	3.8471	248.9	-0.2868
Se 196.026	3.4971	ppb	11.6563	333.3	0.9244
Sn 189.925	1.3612	ppb	2.7902	205.0	-0.2872
Sr 216.596	37.3473	ppb	0.4206	1.1	331.379
Ti 334.941	8.7641	ppb	0.2013	2.3	1925.21
Tl 190.794	2.6359	ppb	1.4714	55.8	-1.1696
V 292.401	1.2406	ppb	0.3205	25.8	39.3101
Zn 206.200	120.904	ppb	1.5403	1.3	182.835

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88710-e-2-a (Samp) **3/30/2013, 12:13:42 PM** **Rack 1, Tube 28****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1388u	-0.0138u	-0.2199u
Al 308.215	374.590	371.903	367.434
As 188.980	-3.4991u	0.3354	4.4549
B 249.678	-7.5306u	-7.0363u	-6.7659u
Ba 389.178	23.0999	24.8708	24.2396
Be 313.042	0.2182	0.2283	0.2165
Ca 370.602	7220	7215	7206
Cd 226.502	0.1903	0.4635	0.1324
Co 228.615	7.5085	7.3338	7.7052
Cr 267.716	-0.0489u	-0.1039u	-0.0214
Cu 324.754	26.8236	25.1842	25.9116
Fe 271.441	62.9541	63.4103	62.3528
K 766.491	590.234	586.585	583.998
Mg 279.078	1528.10	1522.73	1536.25
Mn 257.610	148.799	148.707	149.309
Mo 202.032	0.1652	0.5627	-0.2945u
Na 330.237	53076.9	53117.8	52624.3
Ni 231.604	5.9728	7.1031	5.7738
Pb 220.353	-0.2338u	-0.9603u	-4.2259u
Sb 206.834	1.3576	-1.7187u	-3.2706u
Se 196.026	10.3776	0.4334	10.7817
Sn 189.925	1.6492	2.1213	3.1529
Sr 216.596	36.1029	36.3267	35.6914
Ti 334.941	5.5092	5.1440	5.5225
Tl 190.794	1.6121	5.9788	-2.1146u
V 292.401	1.5668	0.8716	1.4427
Zn 206.200	134.192	134.439	130.188

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1242	ppb	0.1038	83.6	-84.5545
Al 308.215	371.309	ppb	3.6147	1.0	1818.24
As 188.980	0.4304	ppb	3.9778	924.3	1.8194
B 249.678	-7.1109	ppb	0.3877	5.5	178.565
Ba 389.178	24.0701	ppb	0.8976	3.7	475.584
Be 313.042	0.2210	ppb	0.0064	2.9	264.997
Ca 370.602	7214	ppb	6.876	0.1	20521
Cd 226.502	0.2621	ppb	0.1769	67.5	23.2958
Co 228.615	7.5158	ppb	0.1858	2.5	93.7211
Cr 267.716	-0.0580	ppb	0.0420	72.4	3.5050
Cu 324.754	25.9731	ppb	0.8215	3.2	1227.10
Fe 271.441	62.9058	ppb	0.5304	0.8	110.359
K 766.491	586.939	ppb	3.1332	0.5	25015.0
Mg 279.078	1529.03	ppb	6.8042	0.4	3082.53
Mn 257.610	148.939	ppb	0.3244	0.2	31919.3
Mo 202.032	0.1444	ppb	0.4290	297.0	15.7767
Na 330.237	52939.7	ppb	273.879	0.5	2547.06
Ni 231.604	6.2832	ppb	0.7170	11.4	17.5686
Pb 220.353	-1.8067	ppb	2.1264	117.7	1.9331
Sb 206.834	-1.2106	ppb	2.3556	194.6	-0.0476
Se 196.026	7.1976	ppb	5.8614	81.4	2.6570
Sn 189.925	2.3078	ppb	0.7690	33.3	0.3770
Sr 216.596	36.0403	ppb	0.3222	0.9	320.164
Ti 334.941	5.3919	ppb	0.2148	4.0	1169.97
Tl 190.794	1.8254	ppb	4.0509	221.9	-1.9424
V 292.401	1.2937	ppb	0.3708	28.7	40.2794
Zn 206.200	132.939	ppb	2.3863	1.8	201.937

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88710-e-3-a (Samp) **3/30/2013, 12:19:07 PM** **Rack 1, Tube 29****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6871u	0.1393	-1.5330u
Al 308.215	290.591	292.550	290.245
As 188.980	-0.4447u	-5.2474u	-8.9148u
B 249.678	-5.7145u	-4.9062u	-5.0282u
Ba 389.178	34.0314	33.1758	32.4190
Be 313.042	-0.0006u	0.0008	0.0063
Ca 370.602	4060	4081	4066
Cd 226.502	-0.1909u	-0.0143	-0.0688u
Co 228.615	0.7229	0.4587	0.1507
Cr 267.716	0.4244	0.5492	-0.0498u
Cu 324.754	1.6380	1.4856	1.8334
Fe 271.441	498.834	505.086	502.410
K 766.491	2514.37	2510.44	2502.20
Mg 279.078	1845.96	1853.77	1846.98
Mn 257.610	72.1328	72.2388	72.1379
Mo 202.032	-0.4015u	-0.6013u	-0.4960u
Na 330.237	5376.22	5395.13	4784.46
Ni 231.604	-0.6009u	0.3415	0.2605
Pb 220.353	-2.1999u	-0.7498u	-0.0806u
Sb 206.834	-2.4550u	-3.1419u	-8.8754u
Se 196.026	1.9185	7.5729	15.2641
Sn 189.925	-0.4398u	-1.6553u	-2.4046u
Sr 216.596	36.5783	35.5610	35.2624
Ti 334.941	6.7023	7.0268	6.9749
Tl 190.794	-0.6406u	5.3088	4.2286
V 292.401	1.0392	1.5265	0.9526
Zn 206.200	178.259	177.157	177.297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6936	ppb	0.8361	120.6	-121.162
Al 308.215	291.129	ppb	1.2430	0.4	1452.45
As 188.980	-4.8690	ppb	4.2477	87.2	-1.6390
B 249.678	-5.2163	ppb	0.4357	8.4	195.932
Ba 389.178	33.2087	ppb	0.8067	2.4	662.540
Be 313.042	0.0021	ppb	0.0036	170.8	-142.561
Ca 370.602	4069	ppb	10.51	0.3	11533
Cd 226.502	-0.0913	ppb	0.0904	99.0	12.6511
Co 228.615	0.4441	ppb	0.2864	64.5	18.9631
Cr 267.716	0.3079	ppb	0.3160	102.6	16.9415
Cu 324.754	1.6523	ppb	0.1743	10.6	158.421
Fe 271.441	502.110	ppb	3.1368	0.6	804.962
K 766.491	2509.00	ppb	6.2121	0.2	106195
Mg 279.078	1848.90	ppb	4.2455	0.2	3722.76
Mn 257.610	72.1698	ppb	0.0598	0.1	15509.0
Mo 202.032	-0.4996	ppb	0.1000	20.0	12.0422
Na 330.237	5185.27	ppb	347.239	6.7	251.201
Ni 231.604	0.0004	ppb	0.5223	137689.4	2.3736
Pb 220.353	-1.0101	ppb	1.0834	107.3	3.0835
Sb 206.834	-4.8241	ppb	3.5253	73.1	-2.7306
Se 196.026	8.2518	ppb	6.6986	81.2	3.1320
Sn 189.925	-1.4999	ppb	0.9916	66.1	-2.2489
Sr 216.596	35.8006	ppb	0.6899	1.9	318.096
Ti 334.941	6.9013	ppb	0.1743	2.5	1510.21
Tl 190.794	2.9656	ppb	3.1694	106.9	-0.8523
V 292.401	1.1727	ppb	0.3094	26.4	37.6539
Zn 206.200	177.571	ppb	0.5997	0.3	269.061

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88731-d-1-a (Samp) 3/30/2013, 12:24:31 PM Rack 1, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1885u	-0.0977u	-0.4760u
Al 308.215	4.8539	5.3481	9.3069
As 188.980	-7.8241u	-4.8162u	3.0201
B 249.678	200.477	202.942	205.048
Ba 389.178	3.8753	2.7420	3.1725
Be 313.042	-0.0375u	-0.0530u	-0.0626u
Ca 370.602	22228	22359	22436
Cd 226.502	-0.3138u	-0.4128u	-0.0085u
Co 228.615	-0.5518u	-0.8375u	-0.7440u
Cr 267.716	1.4509	1.2405	1.5762
Cu 324.754	7.8351	8.1293	7.8398
Fe 271.441	6.2823	9.8683	7.7648
K 766.491	7091.53	7120.15	7097.19
Mg 279.078	23231.0	23368.5	23436.0
Mn 257.610	-0.3183	-0.4317	-0.3515
Mo 202.032	1.8901	1.7587	2.3402
Na 330.237	187073x	188045x	186744x
Ni 231.604	26.1635	26.5951	24.4027
Pb 220.353	-1.0796u	-1.2331u	-2.3452u
Sb 206.834	4.1149	-5.5312u	5.1631
Se 196.026	11.0873	7.2852	8.5545
Sn 189.925	1.8675	0.0961	-2.5624u
Sr 216.596	181.416	182.887	183.546
Ti 334.941	-0.3879u	-0.4175u	-0.4387u
Tl 190.794	-0.0810u	0.7567	4.6713
V 292.401	2.0794	2.2174	2.4818
Zn 206.200	49.7269	49.3137	49.7035

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2541b	ppb	0.1975	77.7	-99.2821
Al 308.215	6.5029b	ppb	2.4409	37.5	154.298
As 188.980	-3.2067b	ppb	5.5984	174.6	-0.3993
B 249.678	202.823b	ppb	2.2880	1.1	2148.51
Ba 389.178	3.2633b	ppb	0.5721	17.5	102.921
Be 313.042	-0.0510b	ppb	0.0127	24.8	-259.257
Ca 370.602	22341b	ppb	105.2	0.5	63595
Cd 226.502	-0.2450b	ppb	0.2108	86.0	5.7135
Co 228.615	-0.7111b	ppb	0.1457	20.5	6.5329
Cr 267.716	1.4225b	ppb	0.1697	11.9	62.8958
Cu 324.754	7.9347b	ppb	0.1685	2.1	434.419
Fe 271.441	7.9718b	ppb	1.8019	22.6	22.1979
K 766.491	7102.96b	ppb	15.1579	0.2	300224
Mg 279.078	23345.2b	ppb	104.459	0.4	46662.9
Mn 257.610	-0.3672b	ppb	0.0583	15.9	114.408
Mo 202.032	1.9963b	ppb	0.3049	15.3	26.4650
Na 330.237	187287xb	ppb	676.599	0.4	9005.41
Ni 231.604	25.7204b	ppb	1.1614	4.5	64.6023
Pb 220.353	-1.5526b	ppb	0.6907	44.5	2.2840
Sb 206.834	1.2489b	ppb	5.8951	472.0	1.7746
Se 196.026	8.9756b	ppb	1.9357	21.6	3.4492
Sn 189.925	-0.1996b	ppb	2.2297	1117.1	-1.2967
Sr 216.596	182.616b	ppb	1.0906	0.6	1576.56
Ti 334.941	-0.4147b	ppb	0.0255	6.1	-52.6940
Tl 190.794	1.7823b	ppb	2.5367	142.3	-1.7884
V 292.401	2.2595b	ppb	0.2045	9.0	63.2893
Zn 206.200	49.5814b	ppb	0.2321	0.5	76.5644

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88731-a-2-a (Samp) 3/30/2013, 12:29:56 PM Rack 1, Tube 31

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3495u	0.7274	-0.4598u
Al 308.215	8.0723	2.9864	1.4639
As 188.980	-1.9589u	-4.0419u	-7.1522u
B 249.678	237.861	239.191	238.694
Ba 389.178	-0.8365u	0.4001	-1.2226u
Be 313.042	-0.0413u	-0.0345u	-0.0433u
Ca 370.602	23.10	31.47	31.64
Cd 226.502	-0.2401u	-0.3239u	-0.2272u
Co 228.615	-1.0427u	-0.4630u	0.3569
Cr 267.716	-0.0440	-0.2847u	-0.6868u
Cu 324.754	11.5695	12.3619	12.8552
Fe 271.441	-1.4953u	2.6596	-1.5649u
K 766.491	20.3674	20.4580	20.5112
Mg 279.078	6.3033	6.7897	5.6419
Mn 257.610	-0.1192u	-0.0508u	-0.0368u
Mo 202.032	-0.3741u	-1.0194u	-0.2509u
Na 330.237	259818x	258267x	258305x
Ni 231.604	46.0635	43.5839	46.8741
Pb 220.353	-2.6999u	1.9823	2.0043
Sb 206.834	0.8602	-5.0854u	-0.3690u
Se 196.026	0.8627	2.6206	2.9902
Sn 189.925	-2.0127u	0.5696	0.0027
Sr 216.596	-1.2337u	0.3550	-0.4948u
Ti 334.941	-0.0429u	-0.1193u	-0.0456u
Tl 190.794	8.5934	9.1051	5.4901
V 292.401	0.1980	-0.3029u	-0.1191u
Zn 206.200	28.7337	30.1224	30.6825

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0273b	ppb	0.6559	2401.3	-77.5710
Al 308.215	4.1742b	ppb	3.4607	82.9	143.453
As 188.980	-4.3843b	ppb	2.6135	59.6	-1.3559
B 249.678	238.582b	ppb	0.6723	0.3	2484.04
Ba 389.178	-0.5530b	ppb	0.8477	153.3	-28.2559
Be 313.042	-0.0397b	ppb	0.0046	11.6	-252.329
Ca 370.602	28.74b	ppb	4.882	17.0	61.71
Cd 226.502	-0.2637b	ppb	0.0525	19.9	4.4453
Co 228.615	-0.3829b	ppb	0.7032	183.6	10.0677
Cr 267.716	-0.3385b	ppb	0.3247	95.9	-4.9562
Cu 324.754	12.2622b	ppb	0.6486	5.3	624.552
Fe 271.441	-0.1335b	ppb	2.4191	1811.6	9.3532
K 766.491	20.4455b	ppb	0.0727	0.4	1088.66
Mg 279.078	6.2450b	ppb	0.5761	9.2	43.1219
Mn 257.610	-0.0689b	ppb	0.0441	64.0	51.5619
Mo 202.032	-0.5482b	ppb	0.4128	75.3	11.7839
Na 330.237	258797xb	ppb	884.497	0.3	12442.8
Ni 231.604	45.5071b	ppb	1.7142	3.8	112.483
Pb 220.353	0.4289b	ppb	2.7096	631.8	5.1770
Sb 206.834	-1.5314b	ppb	3.1386	205.0	-0.2860
Se 196.026	2.1578b	ppb	1.1367	52.7	0.2778
Sn 189.925	-0.4802b	ppb	1.3572	282.7	-1.4754
Sr 216.596	-0.4578b	ppb	0.7950	173.6	6.4196
Ti 334.941	-0.0693b	ppb	0.0433	62.6	-64.2558
Tl 190.794	7.7295b	ppb	1.9562	25.3	3.4989
V 292.401	-0.0746b	ppb	0.2534	339.5	4.3822
Zn 206.200	29.8462b	ppb	1.0934	3.4	46.8883

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88722-g-1-a (Samp) 3/30/2013, 12:35:21 PM Rack 1, Tube 32

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5861u	0.0621u	-0.3167u
Al 308.215	6.9587	2.4468	5.2229
As 188.980	-7.8236u	-1.1371u	-10.9492u
B 249.678	58.2719	59.7925	59.2064
Ba 389.178	23.0129	23.5689	24.4808
Be 313.042	-0.0673u	-0.0591u	-0.0591u
Ca 370.602	38088	37936	37997
Cd 226.502	-0.0259u	-0.1221u	0.0203
Co 228.615	-0.4987u	-0.1077u	0.5054
Cr 267.716	0.2813	0.0488	-0.5055u
Cu 324.754	-0.1898u	-0.5316u	-0.0195u
Fe 271.441	173.814	175.182	168.201
K 766.491	2746.87	2740.12	2724.65
Mg 279.078	24954.0	24919.2	24955.0
Mn 257.610	1.2372	1.1693	1.2062
Mo 202.032	-0.6832u	0.8838	-0.5575u
Na 330.237	32232.3	32623.1	32630.0
Ni 231.604	-1.8272u	-0.6302u	0.0204
Pb 220.353	-2.0793u	-3.6482u	-0.4223u
Sb 206.834	-7.4124u	1.6830	1.2415
Se 196.026	-0.1961u	9.3594	5.0010
Sn 189.925	0.3501	1.1523	-1.6265u
Sr 216.596	910.659	910.629	910.978
Ti 334.941	-0.4226u	-0.3971u	-0.4340u
Tl 190.794	7.8419	1.8075	1.9247
V 292.401	-0.7766u	-0.8622u	-0.5675u
Zn 206.200	19.6957	19.6516	19.3082

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2802	ppb	0.3256	116.2	-128.570
Al 308.215	4.8762	ppb	2.2759	46.7	146.683
As 188.980	-6.6366	ppb	5.0126	75.5	-2.4796
B 249.678	59.0903	ppb	0.7669	1.3	799.653
Ba 389.178	23.6875	ppb	0.7411	3.1	521.748
Be 313.042	-0.0618	ppb	0.0047	7.7	-255.313
Ca 370.602	38007	ppb	76.61	0.2	108192
Cd 226.502	-0.0426	ppb	0.0727	170.6	13.6847
Co 228.615	-0.0337	ppb	0.5062	1504.0	13.7533
Cr 267.716	-0.0585	ppb	0.4042	691.2	2.6952
Cu 324.754	-0.2470	ppb	0.2608	105.6	74.8846
Fe 271.441	172.399	ppb	3.6993	2.1	282.558
K 766.491	2737.22	ppb	11.3910	0.4	115834
Mg 279.078	24942.7	ppb	20.3506	0.1	49853.9
Mn 257.610	1.2042	ppb	0.0340	2.8	460.424
Mo 202.032	-0.1190	ppb	0.8707	731.9	14.2549
Na 330.237	32495.1	ppb	227.617	0.7	1565.16
Ni 231.604	-0.8123	ppb	0.9372	115.4	0.4004
Pb 220.353	-2.0499	ppb	1.6131	78.7	1.5617
Sb 206.834	-1.4960	ppb	5.1285	342.8	-0.2567
Se 196.026	4.7214	ppb	4.7838	101.3	1.4716
Sn 189.925	-0.0413	ppb	1.4301	3459.1	-1.2290
Sr 216.596	910.755	ppb	0.1935	0.0	7815.37
Ti 334.941	-0.4179	ppb	0.0189	4.5	-37.8571
Tl 190.794	3.8580	ppb	3.4507	89.4	0.0465
V 292.401	-0.7355	ppb	0.1516	20.6	-10.3163
Zn 206.200	19.5518	ppb	0.2122	1.1	21.4052

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88722-g-1-b ms (Samp) **3/30/2013, 12:40:47 PM** **Rack 1, Tube 33****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	14.7246	15.0259	13.7770
Al 308.215	5325.95	5325.24	5323.38
As 188.980	108.795	117.622	110.474
B 249.678	276.824	282.418	283.439
Ba 389.178	127.731	128.348	127.149
Be 313.042	55.2239	55.2430	55.1616
Ca 370.602	44558	44502	44489
Cd 226.502	53.3304	54.1677	53.9107
Co 228.615	52.6391	53.6345	53.7535
Cr 267.716	107.243	106.883	106.696
Cu 324.754	106.820	107.790	106.771
Fe 271.441	5460.77	5468.92	5480.64
K 766.491	8517.97	8533.93	8512.50
Mg 279.078	31339.0	31363.8	31338.9
Mn 257.610	539.569	540.167	540.524
Mo 202.032	105.663	104.029	103.756
Na 330.237	39232.6	38923.1	39005.3
Ni 231.604	100.685	105.534	100.947
Pb 220.353	55.1528	51.4489	51.1815
Sb 206.834	56.6466	42.7149	54.4878
Se 196.026	105.093	119.612	104.262
Sn 189.925	210.210	211.770	207.399
Sr 216.596	1053.22	1048.58	1049.19
Ti 334.941	104.625	104.315	104.086
Tl 190.794	38.9196	47.0798	33.9994
V 292.401	106.588	106.476	106.858
Zn 206.200	116.708	119.281	118.070

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.5092	ppb	0.6518	4.5	812.225
Al 308.215	5324.86	ppb	1.3293	0.0	24424.2
As 188.980	112.297	ppb	4.6871	4.2	74.3825
B 249.678	280.894	ppb	3.5612	1.3	2875.95
Ba 389.178	127.743	ppb	0.5994	0.5	2657.79
Be 313.042	55.2095	ppb	0.0426	0.1	103790
Ca 370.602	44516	ppb	36.32	0.1	126373
Cd 226.502	53.8030	ppb	0.4289	0.8	1832.94
Co 228.615	53.3424	ppb	0.6119	1.1	577.540
Cr 267.716	106.941	ppb	0.2781	0.3	4192.68
Cu 324.754	107.127	ppb	0.5747	0.5	4796.45
Fe 271.441	5470.11	ppb	9.9871	0.2	8682.23
K 766.491	8521.47	ppb	11.1339	0.1	360136
Mg 279.078	31347.2	ppb	14.3481	0.0	62638.1
Mn 257.610	540.086	ppb	0.4827	0.1	115723
Mo 202.032	104.483	ppb	1.0313	1.0	617.563
Na 330.237	39053.7	ppb	160.321	0.4	1877.48
Ni 231.604	102.389	ppb	2.7268	2.7	250.233
Pb 220.353	52.5944	ppb	2.2197	4.2	81.0957
Sb 206.834	51.2831	ppb	7.4984	14.6	39.2538
Se 196.026	109.656	ppb	8.6326	7.9	50.4363
Sn 189.925	209.793	ppb	2.2152	1.1	142.635
Sr 216.596	1050.33	ppb	2.5190	0.2	9008.79
Ti 334.941	104.342	ppb	0.2705	0.3	23306.4
Tl 190.794	39.9996	ppb	6.6067	16.5	31.2619
V 292.401	106.641	ppb	0.1965	0.2	2664.50
Zn 206.200	118.020	ppb	1.2870	1.1	179.184

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88722-g-1-c msd (Samp) **3/30/2013, 12:46:12 PM** **Rack 1, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	15.1267	14.6743	15.0095
Al 308.215	5538.99	5530.59	5522.41
As 188.980	122.041	112.080	123.259
B 249.678	293.413	293.166	297.085
Ba 389.178	130.861	133.785	131.493
Be 313.042	57.3455	57.4448	57.3935
Ca 370.602	44632	44569	44466
Cd 226.502	55.4524	55.6004	55.7242
Co 228.615	55.6436	54.6180	53.9083
Cr 267.716	111.429	111.528	110.669
Cu 324.754	112.111	109.811	112.431
Fe 271.441	5657.33	5664.89	5675.72
K 766.491	8686.85	8684.04	8682.26
Mg 279.078	31448.0	31457.4	31502.8
Mn 257.610	559.084	558.693	559.697
Mo 202.032	108.168	110.210	108.538
Na 330.237	39330.1	39002.6	38985.8
Ni 231.604	108.807	107.123	107.662
Pb 220.353	51.8004	52.2035	51.7374
Sb 206.834	57.4315	59.2147	48.9604
Se 196.026	121.370	119.065	115.908
Sn 189.925	221.199	225.895	216.701
Sr 216.596	1054.30	1052.63	1050.94
Ti 334.941	108.775	108.832	108.348
Tl 190.794	47.0339	40.3303	48.3426
V 292.401	110.128	111.023	110.416
Zn 206.200	118.216	115.761	117.507

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.9368	ppb	0.2348	1.6	839.765
Al 308.215	5530.66	ppb	8.2944	0.1	25363.4
As 188.980	119.127	ppb	6.1332	5.1	78.7947
B 249.678	294.554	ppb	2.1947	0.7	3003.95
Ba 389.178	132.046	ppb	1.5383	1.2	2745.74
Be 313.042	57.3946	ppb	0.0497	0.1	107903
Ca 370.602	44556	ppb	83.84	0.2	126472
Cd 226.502	55.5923	ppb	0.1361	0.2	1893.45
Co 228.615	54.7233	ppb	0.8725	1.6	592.117
Cr 267.716	111.209	ppb	0.4700	0.4	4359.80
Cu 324.754	111.451	ppb	1.4291	1.3	4986.59
Fe 271.441	5665.98	ppb	9.2404	0.2	8992.83
K 766.491	8684.38	ppb	2.3111	0.0	367017
Mg 279.078	31469.4	ppb	29.3073	0.1	62882.0
Mn 257.610	559.158	ppb	0.5065	0.1	119802
Mo 202.032	108.972	ppb	1.0879	1.0	643.459
Na 330.237	39106.2	ppb	194.127	0.5	1879.92
Ni 231.604	107.864	ppb	0.8598	0.8	263.487
Pb 220.353	51.9138	ppb	0.2529	0.5	80.0966
Sb 206.834	55.2022	ppb	5.4786	9.9	42.1856
Se 196.026	118.781	ppb	2.7425	2.3	54.6865
Sn 189.925	221.265	ppb	4.5971	2.1	150.499
Sr 216.596	1052.62	ppb	1.6807	0.2	9028.31
Ti 334.941	108.652	ppb	0.2644	0.2	24266.3
Tl 190.794	45.2356	ppb	4.2982	9.5	35.8836
V 292.401	110.522	ppb	0.4564	0.4	2761.17
Zn 206.200	117.162	ppb	1.2622	1.1	177.881

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-271036/1-a (Samp) 3/30/2013, 12:51:38 PM Rack 1, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4109u	0.3355	-0.0522u
Al 308.215	2.0558	1.1232	0.6266
As 188.980	-9.2804u	-3.5850u	-4.6653u
B 249.678	-7.9278u	-9.7969u	-9.5484u
Ba 389.178	-0.4518u	-1.4111u	-1.9294u
Be 313.042	-0.0607u	-0.0495u	-0.0595u
Ca 370.602	0.7284	9.008	7.695
Cd 226.502	-0.0440u	0.0358	-0.0816u
Co 228.615	-0.3515u	-0.1444u	-0.4955u
Cr 267.716	-0.1380u	0.0542	-0.1601u
Cu 324.754	0.4119	0.4562	-0.0694u
Fe 271.441	-1.4153u	3.0904	2.5388
K 766.491	0.1544	0.5768	1.0578
Mg 279.078	2.9256	-2.5679u	2.2727
Mn 257.610	3.7847	3.7899	3.6876
Mo 202.032	-0.3122u	-0.3558u	-0.1352u
Na 330.237	-406.851u	92.3973	202.673
Ni 231.604	0.2385	-2.6468u	-0.1308u
Pb 220.353	0.1488	-2.0254u	0.5589
Sb 206.834	3.4883	0.5124	-1.0091u
Se 196.026	1.2893	-2.4801u	4.8506
Sn 189.925	2.1220	-2.5933u	4.8431
Sr 216.596	-0.0166u	-0.4964u	0.0616
Ti 334.941	-0.2095u	-0.2515u	-0.2305u
Tl 190.794	4.1273	5.6318	6.8807
V 292.401	0.1272	-0.8274u	-0.4419u
Zn 206.200	0.6760	1.0280	1.6608

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0425	ppb	0.3733	877.6	-78.5117
Al 308.215	1.2686	ppb	0.7256	57.2	130.233
As 188.980	-5.8435	ppb	3.0250	51.8	-2.2995
B 249.678	-9.0910	ppb	1.0150	11.2	160.038
Ba 389.178	-1.2641	ppb	0.7497	59.3	-42.7143
Be 313.042	-0.0566	ppb	0.0062	10.9	-253.660
Ca 370.602	5.810	ppb	4.450	76.6	-3.563
Cd 226.502	-0.0299	ppb	0.0599	200.5	13.6250
Co 228.615	-0.3305	ppb	0.1765	53.4	10.6133
Cr 267.716	-0.0813	ppb	0.1179	145.0	1.2937
Cu 324.754	0.2663	ppb	0.2915	109.5	97.3949
Fe 271.441	1.4047	ppb	2.4576	175.0	11.7255
K 766.491	0.5963	ppb	0.4520	75.8	250.312
Mg 279.078	0.8768	ppb	3.0010	342.3	32.3420
Mn 257.610	3.7540	ppb	0.0576	1.5	870.231
Mo 202.032	-0.2677	ppb	0.1168	43.6	13.4028
Na 330.237	-37.2602	ppb	324.789	871.7	1.5935
Ni 231.604	-0.8464	ppb	1.5701	185.5	0.3148
Pb 220.353	-0.4393	ppb	1.3889	316.2	3.9113
Sb 206.834	0.9972	ppb	2.2876	229.4	1.5972
Se 196.026	1.2199	ppb	3.6659	300.5	-0.1576
Sn 189.925	1.4573	ppb	3.7625	258.2	-0.2244
Sr 216.596	-0.1505	ppb	0.3021	200.8	9.6646
Ti 334.941	-0.2305	ppb	0.0210	9.1	-83.8265
Tl 190.794	5.5466	ppb	1.3787	24.9	1.5529
V 292.401	-0.3807	ppb	0.4802	126.2	-1.4531
Zn 206.200	1.1216	ppb	0.4990	44.5	2.6870

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-271036/2-a (Samp) 3/30/2013, 12:57:05 PM Rack 1, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	9.3697	8.9103	9.6574
Al 308.215	5088.23	5133.57	5152.37
As 188.980	105.973	103.355	104.290
B 249.678	200.526	201.818	204.651
Ba 389.178	99.9703	99.4083	100.171
Be 313.042	53.1558	53.5137	53.8389
Ca 370.602	4915	4962	4967
Cd 226.502	52.5187	52.7138	52.5908
Co 228.615	51.9190	52.3795	52.3946
Cr 267.716	104.324	104.895	104.967
Cu 324.754	102.150	103.427	104.122
Fe 271.441	5125.76	5138.82	5189.00
K 766.491	5090.30	5127.29	5160.70
Mg 279.078	5210.13	5256.23	5254.59
Mn 257.610	524.184	526.450	529.886
Mo 202.032	100.958	101.718	102.772
Na 330.237	4638.95	4785.88	5182.94
Ni 231.604	101.940	102.957	101.699
Pb 220.353	49.7101	49.3555	51.8317
Sb 206.834	48.3777	54.2685	57.8036
Se 196.026	101.775	103.395	112.016
Sn 189.925	204.683	203.994	199.175
Sr 216.596	105.168	105.319	106.127
Ti 334.941	101.648	102.331	102.790
Tl 190.794	39.2343	43.9753	41.0405
V 292.401	103.669	103.514	104.129
Zn 206.200	104.194	105.755	105.015

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3125	ppb	0.3768	4.0	516.804
Al 308.215	5124.72	ppb	32.9686	0.6	23511.0
As 188.980	104.539	ppb	1.3271	1.3	69.0235
B 249.678	202.332	ppb	2.1103	1.0	2139.07
Ba 389.178	99.8498	ppb	0.3953	0.4	2030.71
Be 313.042	53.5028	ppb	0.3417	0.6	100568
Ca 370.602	4948	ppb	28.49	0.6	13725
Cd 226.502	52.6078	ppb	0.0987	0.2	1792.00
Co 228.615	52.2310	ppb	0.2703	0.5	565.814
Cr 267.716	104.729	ppb	0.3526	0.3	4105.51
Cu 324.754	103.233	ppb	1.0002	1.0	4625.19
Fe 271.441	5151.19	ppb	33.3856	0.6	8176.99
K 766.491	5126.09	ppb	35.2154	0.7	216730
Mg 279.078	5240.31	ppb	26.1561	0.5	10489.7
Mn 257.610	526.840	ppb	2.8707	0.5	112749
Mo 202.032	101.816	ppb	0.9107	0.9	602.191
Na 330.237	4869.26	ppb	281.416	5.8	234.532
Ni 231.604	102.199	ppb	0.6674	0.7	249.767
Pb 220.353	50.2991	ppb	1.3390	2.7	77.7539
Sb 206.834	53.4832	ppb	4.7618	8.9	40.8911
Se 196.026	105.729	ppb	5.5050	5.2	48.6047
Sn 189.925	202.617	ppb	3.0009	1.5	137.691
Sr 216.596	105.538	ppb	0.5154	0.5	912.727
Ti 334.941	102.256	ppb	0.5749	0.6	22750.4
Tl 190.794	41.4167	ppb	2.3928	5.8	32.5537
V 292.401	103.770	ppb	0.3198	0.3	2593.00
Zn 206.200	104.988	ppb	0.7811	0.7	159.592

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 1:02:30 PM Rack 1, Tube 37

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	513.451	509.118	517.978
Al 308.215	5232.50	5220.01	5237.26
As 188.980	503.181	511.568	506.817
B 249.678	585.153	590.021	598.755
Ba 389.178	4674.15	4658.27	4681.10
Be 313.042	494.781	493.298	495.622
Ca 370.602	4967	4962	4974
Cd 226.502	482.565	481.599	484.812
Co 228.615	483.775	482.593	486.426
Cr 267.716	4855.80	4836.78	4847.75
Cu 324.754	4887.28	4802.29	4865.77
Fe 271.441	5136.79	5128.10	5157.40
K 766.491	10303.8	10299.1	10384.0
Mg 279.078	5212.34	5191.01	5207.08
Mn 257.610	4811.65	4789.88	4819.23
Mo 202.032	498.749	496.089	500.142
Na 330.237	7503.92	7899.05	7640.84
Ni 231.604	2452.51	2441.87	2458.80
Pb 220.353	504.042	502.233	510.803
Sb 206.834	1009.31	982.143	993.427
Se 196.026	5277.10	5252.88	5275.02
Sn 189.925	5098.91	5107.32	5147.18
Sr 216.596	2508.50	2501.69	2498.99
Ti 334.941	509.595	508.290	509.731
Tl 190.794	5044.40	5015.06	5041.98
V 292.401	5029.38	5015.83	5050.09
Zn 206.200	2452.12	2444.32	2460.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	513.516	ppb	4.4305	0.9	32632.6	102.70315
Al 308.215	5229.92	ppb	8.9103	0.2	23962.6	104.59849
As 188.980	507.189	ppb	4.2057	0.8	329.228	101.43779
B 249.678	591.310	ppb	6.8919	1.2	5788.94	23.65239Q
Ba 389.178	4671.17	ppb	11.7050	0.3	94917.1	93.42344
Be 313.042	494.567	ppb	1.1768	0.2	930754	98.91334
Ca 370.602	4968	ppb	6.178	0.1	13993	99.35478
Cd 226.502	482.992	ppb	1.6485	0.3	16240.2	96.59845
Co 228.615	484.265	ppb	1.9628	0.4	5143.31	96.85299
Cr 267.716	4846.78	ppb	9.5456	0.2	189686	96.93557
Cu 324.754	4851.78	ppb	44.1870	0.9	213269	97.03565
Fe 271.441	5140.76	ppb	15.0464	0.3	8265.42	102.81528
K 766.491	10329.0	ppb	47.6927	0.5	436477	103.28958
Mg 279.078	5203.47	ppb	11.1129	0.2	10351.0	104.06947
Mn 257.610	4806.92	ppb	15.2342	0.3	1027842	96.13839
Mo 202.032	498.327	ppb	2.0591	0.4	2883.16	99.66534
Na 330.237	7681.27	ppb	200.641	2.6	350.467	102.41692
Ni 231.604	2451.06	ppb	8.5572	0.3	5933.64	98.04240
Pb 220.353	505.693	ppb	4.5169	0.9	742.017	101.13856
Sb 206.834	994.959	ppb	13.6467	1.4	776.480	99.49592
Se 196.026	5268.33	ppb	13.4242	0.3	2450.98	105.36666
Sn 189.925	5117.80	ppb	25.7899	0.5	3507.47	102.35606
Sr 216.596	2503.06	ppb	4.9012	0.2	21406.3	100.12228
Ti 334.941	509.205	ppb	0.7954	0.2	113343	101.84106
Tl 190.794	5033.81	ppb	16.2861	0.3	4467.25	100.67621
V 292.401	5031.77	ppb	17.2543	0.3	126091	100.63532
Zn 206.200	2452.47	ppb	8.3330	0.3	2676.29	98.09887

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 1:07:54 PM Rack 1, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.8779	0.0735	-0.4948u
Al 308.215	-5.3179u	1.7755	1.7750
As 188.980	-5.9257u	0.6609	1.3958
B 249.678	-2.6683u	-2.5865u	-5.6848u
Ba 389.178	0.1517	-0.8168u	-0.2939u
Be 313.042	-0.0404u	-0.0463u	-0.0532u
Ca 370.602	-3.388u	-4.896u	-1.939u
Cd 226.502	-0.1106u	-0.2447u	-0.0066u
Co 228.615	0.1310	-0.1616u	0.0334
Cr 267.716	-0.2977u	-0.1036u	-0.2624u
Cu 324.754	-0.3251u	-0.4559u	-0.1020u
Fe 271.441	-6.4008u	-9.8498u	-7.5664u
K 766.491	-0.7895u	-1.1517u	-0.5246u
Mg 279.078	3.1122	-0.0685u	1.5828
Mn 257.610	-0.1635u	-0.2006u	-0.0561u
Mo 202.032	-0.4362u	-0.3684u	-0.7585u
Na 330.237	202.821	-129.343u	152.633
Ni 231.604	0.0698	-0.5958u	-2.6768u
Pb 220.353	-4.0031u	-2.7876u	-2.7017u
Sb 206.834	5.0060	-0.1683u	15.5258
Se 196.026	-4.6523u	0.0105	-6.1181u
Sn 189.925	-3.4692u	4.8009	1.6410
Sr 216.596	0.7656	0.4375	0.4580
Ti 334.941	-0.0345u	-0.0754u	-0.1648u
Tl 190.794	0.8333	4.0341	3.3872
V 292.401	-0.0741u	-0.5125u	-0.6843u
Zn 206.200	1.0809	1.2663	0.6904

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1522	ppb	0.6897	453.1	-66.1295	0.15222
Al 308.215	-0.5891	ppb	4.0953	695.1	121.749	-0.58912
As 188.980	-1.2897	ppb	4.0317	312.6	0.6445	-1.28968
B 249.678	-3.6465	ppb	1.7657	48.4	211.130	-3.64654
Ba 389.178	-0.3197	ppb	0.4848	151.6	-23.5326	-0.31969
Be 313.042	-0.0466	ppb	0.0064	13.7	-234.935	-0.04664
Ca 370.602	-3.407	ppb	1.478	43.4	-29.51	-3.40749
Cd 226.502	-0.1206	ppb	0.1194	99.0	10.5682	-0.12060
Co 228.615	0.0010	ppb	0.1490	15486.1	14.1218	0.00096
Cr 267.716	-0.2212	ppb	0.1034	46.7	-4.1969	-0.22124
Cu 324.754	-0.2943	ppb	0.1789	60.8	72.7560	-0.29433
Fe 271.441	-7.9390	ppb	1.7544	22.1	-2.9724	-7.93902
K 766.491	-0.8219	ppb	0.3148	38.3	190.410	-0.82194
Mg 279.078	1.5422	ppb	1.5907	103.1	33.7300	1.54218
Mn 257.610	-0.1401	ppb	0.0750	53.6	37.6469	-0.14007
Mo 202.032	-0.5211	ppb	0.2084	40.0	11.9409	-0.52105
Na 330.237	75.3702	ppb	179.054	237.6	7.0093	75.37023
Ni 231.604	-1.0676	ppb	1.4328	134.2	-0.2207	-1.06761
Pb 220.353	-3.1641	ppb	0.7278	23.0	-0.0640	-3.16415
Sb 206.834	6.7878	ppb	7.9973	117.8	5.9140	6.78784
Se 196.026	-3.5866	ppb	3.2002	89.2	-2.3943	-3.58663
Sn 189.925	0.9909	ppb	4.1732	421.2	-0.5441	0.99089
Sr 216.596	0.5537	ppb	0.1838	33.2	15.6955	0.55373
Ti 334.941	-0.0915	ppb	0.0667	72.8	-52.8874	-0.09155
Tl 190.794	2.7515	ppb	1.6924	61.5	-0.9261	2.75152
V 292.401	-0.4237	ppb	0.3146	74.3	-2.5031	-0.42366
Zn 206.200	1.0125	ppb	0.2940	29.0	2.5236	1.01255

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Ics 680-271036/3-a (Samp) 3/30/2013, 1:13:18 PM Rack 1, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	212.442	211.633	210.815
Al 308.215	2042.72	2051.74	2052.81
As 188.980	218.332	221.028	224.075
B 249.678	418.986	423.622	427.032
Ba 389.178	193.185	194.219	193.547
Be 313.042	213.240	214.313	214.397
Ca 370.602	19855	20027	19982
Cd 226.502	204.496	206.213	206.430
Co 228.615	201.958	203.025	205.394
Cr 267.716	206.097	207.602	207.184
Cu 324.754	209.960	207.835	210.430
Fe 271.441	21253.4	21374.1	21358.2
K 766.491	20315.4	20521.0	20572.6
Mg 279.078	21040.6	21160.5	21139.2
Mn 257.610	2088.67	2100.58	2101.40
Mo 202.032	201.655	202.655	204.090
Na 330.237	17804.6	18406.1	18436.6
Ni 231.604	200.144	205.012	203.789
Pb 220.353	201.219	201.213	204.237
Sb 206.834	194.842	203.391	196.798
Se 196.026	217.635	227.413	216.064
Sn 189.925	204.777	203.985	203.315
Sr 216.596	217.828	220.668	219.258
Ti 334.941	203.321	204.602	204.476
Tl 190.794	46.8762	42.3442	44.0904
V 292.401	205.588	207.077	208.218
Zn 206.200	193.803	195.245	196.864

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	211.630	ppb	0.8136	0.4	13424.8
Al 308.215	2049.09	ppb	5.5442	0.3	9490.01
As 188.980	221.145	ppb	2.8731	1.3	144.341
B 249.678	423.213	ppb	4.0386	1.0	4196.51
Ba 389.178	193.651	ppb	0.5250	0.3	3993.79
Be 313.042	213.983	ppb	0.6453	0.3	402700
Ca 370.602	19955	ppb	89.07	0.4	55331
Cd 226.502	205.713	ppb	1.0597	0.5	6967.40
Co 228.615	203.459	ppb	1.7583	0.9	2164.31
Cr 267.716	206.961	ppb	0.7767	0.4	8113.96
Cu 324.754	209.408	ppb	1.3827	0.7	9296.85
Fe 271.441	21328.5	ppb	65.5961	0.3	33823.0
K 766.491	20469.7	ppb	136.085	0.7	864778
Mg 279.078	21113.4	ppb	63.9856	0.3	42176.1
Mn 257.610	2096.88	ppb	7.1221	0.3	448556
Mo 202.032	202.800	ppb	1.2243	0.6	1184.19
Na 330.237	18215.8	ppb	356.446	2.0	870.156
Ni 231.604	202.982	ppb	2.5328	1.2	493.956
Pb 220.353	202.223	ppb	1.7444	0.9	299.485
Sb 206.834	198.344	ppb	4.4791	2.3	149.831
Se 196.026	220.371	ppb	6.1494	2.8	102.386
Sn 189.925	204.026	ppb	0.7318	0.4	138.666
Sr 216.596	219.251	ppb	1.4201	0.6	1889.01
Ti 334.941	204.133	ppb	0.7060	0.3	45487.1
Tl 190.794	44.4369	ppb	2.2858	5.1	32.5265
V 292.401	206.961	ppb	1.3187	0.6	5163.81
Zn 206.200	195.304	ppb	1.5212	0.8	295.128

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-8-a (Samp) 3/30/2013, 1:18:42 PM Rack 1, Tube 40

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9186u	-1.0842u	-0.9335u
Al 308.215	2.6893	9.4972	1.0404
As 188.980	0.0926u	2.3745u	7.3620u
B 249.678	1321.27	1328.39	1343.54
Ba 389.178	149.078	147.321	149.610
Be 313.042	0.0194	0.0305	0.0337
Ca 370.602	161258	161290	161180
Cd 226.502	-19.9100	-19.8750	-19.6884
Co 228.615	57.8722	60.3442	59.3479
Cr 267.716	-10.0600u	-9.4224	-10.1115u
Cu 324.754	1.9113	2.1119	2.6381
Fe 271.441	1930183x	1931889x	1929729x
K 766.491	11407.3	11454.4	11456.2
Mg 279.078	14960.4	14977.4	14979.9
Mn 257.610	1124.31	1126.73	1124.40
Mo 202.032	10.0016u	11.2181u	8.5170u
Na 330.237	42755.0	42828.3	42717.5
Ni 231.604	54.4398	50.5712	51.9268
Pb 220.353	8.7402	3.8682	-5.8002u
Sb 206.834	-36.3694	-48.9698u	-34.7216
Se 196.026	-23.6943u	-40.2322u	-39.6879u
Sn 189.925	4.8608	9.5404	-7.6376u
Sr 216.596	1746.37	1748.40	1749.30
Ti 334.941	-0.9570	-0.9452	-1.0356u
Tl 190.794	-126.795u	-137.990u	-136.904u
V 292.401	9.1055	8.7851	8.1095
Zn 206.200	74.6440	76.6330	73.9735

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9788b	ppb	0.0916	9.4	-206.720
Al 308.215	4.4089b	ppb	4.4830	101.7	144.602
As 188.980	3.2763b	ppb	3.7177	113.5	-15.5161
B 249.678	1331.07b	ppb	11.3725	0.9	10930.8
Ba 389.178	148.670b	ppb	1.1977	0.8	5436.64
Be 313.042	0.0279b	ppb	0.0075	27.0	-81.9493
Ca 370.602	161243b	ppb	56.11	0.0	318788
Cd 226.502	-19.8245b	ppb	0.1191	0.6	3567.49
Co 228.615	59.1881b	ppb	1.2437	2.1	579.615
Cr 267.716	-9.8647b	ppb	0.3839	3.9	-5.7891
Cu 324.754	2.2205b	ppb	0.3754	16.9	685.221
Fe 271.441	1930600xb	ppb	1138.66	0.1	3057850
K 766.491	11439.3b	ppb	27.7304	0.2	483373
Mg 279.078	14972.6b	ppb	10.6014	0.1	30251.9
Mn 257.610	1125.14b	ppb	1.3727	0.1	245594
Mo 202.032	9.9122b	ppb	1.3528	13.6	-4.7799
Na 330.237	42766.9b	ppb	56.3413	0.1	1518.44
Ni 231.604	52.3126b	ppb	1.9630	3.8	165.808
Pb 220.353	2.2694b	ppb	7.4008	326.1	8.0648
Sb 206.834	-40.0203b	ppb	7.7942	19.5	3.6385
Se 196.026	-34.5381b	ppb	9.3950	27.2	-5.8966
Sn 189.925	2.2545b	ppb	8.8806	393.9	0.3539
Sr 216.596	1748.02b	ppb	1.4964	0.1	15624.4
Ti 334.941	-0.9792b	ppb	0.0492	5.0	-23.4754
Tl 190.794	-133.896b	ppb	6.1741	4.6	-211.886
V 292.401	8.6667b	ppb	0.5084	5.9	225.501
Zn 206.200	75.0835b	ppb	1.3821	1.8	114.926

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-9-a (Samp) 3/30/2013, 1:24:06 PM Rack 1, Tube 41

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	4.2128	4.2497	3.5972
Al 308.215	2489.17	2479.21	2472.83
As 188.980	2.0176	0.0532	8.0760
B 249.678	1525.50	1534.23	1539.04
Ba 389.178	188.898	188.328	186.267
Be 313.042	2.6475	2.6341	2.6432
Ca 370.602	167018	166321	166090
Cd 226.502	0.2433	0.4783	0.0913
Co 228.615	6.9454	7.6465	7.5878
Cr 267.716	24.5637	24.4603	24.7936
Cu 324.754	29.5335	29.7143	29.4412
Fe 271.441	3270.38	3258.01	3239.02
K 766.491	13596.7	13593.2	13601.3
Mg 279.078	15905.3	15840.5	15836.8
Mn 257.610	99094.1x	99192.3x	98755.1x
Mo 202.032	-0.1830u	0.1560	-0.4951u
Na 330.237	151551x	151511x	150672x
Ni 231.604	8.2443	7.5751	9.8058
Pb 220.353	-2.3868	1.4318	3.4001
Sb 206.834	2.9577	-0.5309u	-0.8169u
Se 196.026	24.7982	32.7793	26.4244
Sn 189.925	3.5176	-0.5118u	-1.9663u
Sr 216.596	1804.20	1797.69	1797.30
Ti 334.941	0.2683	0.2053	0.3173
Tl 190.794	282.292	285.116	278.119
V 292.401	-7.4092u	-7.6772u	-7.3938u
Zn 206.200	77.3712	77.6259	76.3406

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.0199b	ppb	0.3665	9.1	498.248
Al 308.215	2480.40b	ppb	8.2339	0.3	11439.3
As 188.980	3.3823b	ppb	4.1819	123.6	5.0956
B 249.678	1532.93b	ppb	6.8613	0.4	14626.3
Ba 389.178	187.831b	ppb	1.3839	0.7	3837.95
Be 313.042	2.6416b	ppb	0.0068	0.3	4837.44
Ca 370.602	166476b	ppb	483.5	0.3	476268
Cd 226.502	0.2710b	ppb	0.1950	72.0	30.2132
Co 228.615	7.3932b	ppb	0.3890	5.3	92.2968
Cr 267.716	24.6059b	ppb	0.1706	0.7	1319.66
Cu 324.754	29.5630b	ppb	0.1389	0.5	1385.75
Fe 271.441	3255.80b	ppb	15.7940	0.5	5167.54
K 766.491	13597.1b	ppb	4.0978	0.0	574509
Mg 279.078	15860.9b	ppb	38.4902	0.2	30208.0
Mn 257.610	99013.8xb	ppb	229.359	0.2	21169596
Mo 202.032	-0.1741b	ppb	0.3256	187.1	13.8245
Na 330.237	151245xb	ppb	496.479	0.3	7271.84
Ni 231.604	8.5417b	ppb	1.1447	13.4	23.0954
Pb 220.353	0.8150b	ppb	2.9423	361.0	24.4938
Sb 206.834	0.5367b	ppb	2.1016	391.6	1.4985
Se 196.026	28.0007b	ppb	4.2176	15.1	35.3697
Sn 189.925	0.3465b	ppb	2.8409	819.9	-0.8835
Sr 216.596	1799.73b	ppb	3.8734	0.2	15441.3
Ti 334.941	0.2636b	ppb	0.0561	21.3	71.5185
Tl 190.794	281.842b	ppb	3.5204	1.2	117.849
V 292.401	-7.4934b	ppb	0.1594	2.1	-182.371
Zn 206.200	77.1126b	ppb	0.6895	0.9	117.907

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-10-a (Samp) **3/30/2013, 1:29:31 PM** **Rack 1, Tube 42****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	22.2235	21.9889	22.1949
Al 308.215	3909.94	3920.35	3923.71
As 188.980	18.2666	23.3658	20.6975
B 249.678	1459.25	1464.52	1475.84
Ba 389.178	180.710	179.567	180.117
Be 313.042	2.3965	2.4038	2.4221
Ca 370.602	158796	159104	159195
Cd 226.502	-1.0875	-1.1824	-0.7383
Co 228.615	22.9695	23.2287	23.3965
Cr 267.716	62.1612	61.5835	62.0395
Cu 324.754	40.7464	40.8653	40.6578
Fe 271.441	83193.1	83199.3	83327.2
K 766.491	20326.9	20268.1	20330.8
Mg 279.078	13862.4	13900.8	13881.0
Mn 257.610	198588o	199359o	198952o
Mo 202.032	-0.5683u	-0.2923u	-0.6018u
Na 330.237	364858x	366052x	366093x
Ni 231.604	7.7970	7.7773	9.6334
Pb 220.353	23.1438	25.1394	20.3322
Sb 206.834	-12.6841u	-2.6281u	8.1773
Se 196.026	171.842	164.432	145.180
Sn 189.925	-1.0248u	-3.4392u	-0.7602u
Sr 216.596	1705.47	1703.61	1703.09
Ti 334.941	1.5644	1.4764	1.5497
Tl 190.794	710.876	724.220	722.249
V 292.401	-19.6802u	-19.7858u	-19.4609u
Zn 206.200	98.1696	99.4617	100.672

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	22.1358b	ppb	0.1280	0.6	2048.02
Al 308.215	3918.00b	ppb	7.1788	0.2	17997.3
As 188.980	20.7766b	ppb	2.5506	12.3	15.4278
B 249.678	1466.54b	ppb	8.4757	0.6	13928.6
Ba 389.178	180.131b	ppb	0.5714	0.3	3774.63
Be 313.042	2.4075b	ppb	0.0132	0.5	4339.75
Ca 370.602	159032b	ppb	209.0	0.1	451770
Cd 226.502	-1.0027b	ppb	0.2339	23.3	161.171
Co 228.615	23.1982b	ppb	0.2151	0.9	257.064
Cr 267.716	61.9281b	ppb	0.3045	0.5	3153.03
Cu 324.754	40.7565b	ppb	0.1041	0.3	1898.55
Fe 271.441	83239.9b	ppb	75.6733	0.1	131855
K 766.491	20308.6b	ppb	35.1270	0.2	857977
Mg 279.078	13881.4b	ppb	19.1825	0.1	24742.2
Mn 257.610	198966oxb	ppb	385.471	0.2	42539876
Mo 202.032	-0.4875b	ppb	0.1698	34.8	8.8455
Na 330.237	365668xb	ppb	701.631	0.2	17556.0
Ni 231.604	8.4026b	ppb	1.0660	12.7	24.2868
Pb 220.353	22.8718b	ppb	2.4151	10.6	75.6874
Sb 206.834	-2.3783b	ppb	10.4329	438.7	0.8599
Se 196.026	160.485b	ppb	13.7619	8.6	120.799
Sn 189.925	-1.7414b	ppb	1.4763	84.8	-2.2549
Sr 216.596	1704.06b	ppb	1.2527	0.1	14647.1
Ti 334.941	1.5302b	ppb	0.0471	3.1	337.456
Tl 190.794	719.115b	ppb	7.2032	1.0	372.001
V 292.401	-19.6423b	ppb	0.1658	0.8	-490.503
Zn 206.200	99.4345b	ppb	1.2515	1.3	151.407

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-11-a (Samp) 3/30/2013, 1:34:55 PM Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	116.905	114.527	114.618
Al 308.215	4159.82	4163.38	4147.64
As 188.980	79.7978	70.2622	78.2197
B 249.678	1421.55	1425.73	1426.63
Ba 389.178	160.200	159.654	159.772
Be 313.042	2.2133	2.2426	2.2197
Ca 370.602	171604	171430	171316
Cd 226.502	-5.0494	-4.8642	-4.7524
Co 228.615	63.3011	60.5042	61.2175
Cr 267.716	216.323	215.863	215.636
Cu 324.754	44.3859	44.3965	44.9244
Fe 271.441	470198	467574	468120
K 766.491	51723.0x	51442.6x	51634.5x
Mg 279.078	6999.24	7017.85	7001.85
Mn 257.610	208769o	208972o	207841o
Mo 202.032	-0.0682u	-0.8412u	-0.6165u
Na 330.237	1224263x	1225247x	1222912x
Ni 231.604	2.0938	6.0713	-0.0296
Pb 220.353	133.281	137.818	142.422
Sb 206.834	-6.1975	-19.0814u	-17.9424u
Se 196.026	799.171	808.641	831.816
Sn 189.925	-3.3243u	-0.5037	-5.3760u
Sr 216.596	1716.37	1713.19	1710.69
Ti 334.941	3.4497	3.4279	3.4830
Tl 190.794	1794.57	1792.45	1783.41
V 292.401	-67.5318u	-66.5025u	-66.9874u
Zn 206.200	135.449	137.772	136.040

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	115.350b	ppb	1.3476	1.2	8034.06
Al 308.215	4156.95b	ppb	8.2544	0.2	19087.7
As 188.980	76.0932b	ppb	5.1111	6.7	47.1716
B 249.678	1424.64b	ppb	2.7144	0.2	13175.5
Ba 389.178	159.876b	ppb	0.2875	0.2	3825.48
Be 313.042	2.2252b	ppb	0.0154	0.7	3889.03
Ca 370.602	171450b	ppb	144.9	0.1	459402
Cd 226.502	-4.8887b	ppb	0.1500	3.1	867.728
Co 228.615	61.6743b	ppb	1.4533	2.4	652.272
Cr 267.716	215.941b	ppb	0.3503	0.2	9306.36
Cu 324.754	44.5690b	ppb	0.3079	0.7	2166.58
Fe 271.441	468631b	ppb	1384.82	0.3	742271
K 766.491	51600.0xb	ppb	143.360	0.3	2179594
Mg 279.078	7006.31b	ppb	10.0769	0.1	10910.9
Mn 257.610	208527oxb	ppb	602.671	0.3	44585036
Mo 202.032	-0.5086b	ppb	0.3976	78.2	-6.5501
Na 330.237	1224141xb	ppb	1172.49	0.1	58712.3
Ni 231.604	2.7118b	ppb	3.0970	114.2	17.8684
Pb 220.353	137.840b	ppb	4.5707	3.3	245.417
Sb 206.834	-14.4071b	ppb	7.1325	49.5	-1.0296
Se 196.026	813.209b	ppb	16.7956	2.1	429.047
Sn 189.925	-3.0680b	ppb	2.4463	79.7	-2.9130
Sr 216.596	1713.42b	ppb	2.8478	0.2	14852.7
Ti 334.941	3.4535b	ppb	0.0278	0.8	721.591
Tl 190.794	1790.15b	ppb	5.9263	0.3	1292.46
V 292.401	-67.0073b	ppb	0.5149	0.8	-1690.80
Zn 206.200	136.420b	ppb	1.2974	0.8	206.812

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-1-a (Samp) **3/30/2013, 1:40:21 PM** **Rack 1, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0939u	-0.3481u	-0.1915u
Al 308.215	170.191	173.481	174.343
As 188.980	-3.8620u	-2.2315u	-4.0291u
B 249.678	57.9498	58.1812	54.2273
Ba 389.178	215.446	216.875	217.405
Be 313.042	0.4644	0.4838	0.4808
Ca 370.602	1847	1849	1845
Cd 226.502	0.6839	0.4721	0.5185
Co 228.615	35.8722	36.9320	36.5701
Cr 267.716	1.5175	1.5381	1.3313
Cu 324.754	2.9814	3.1635	2.8752
Fe 271.441	28.1107	20.7241	23.1227
K 766.491	3291.71	3292.16	3289.39
Mg 279.078	5535.99	5554.47	5543.91
Mn 257.610	26.5698	25.2721	24.7806
Mo 202.032	-1.7875u	0.5910	-0.6743u
Na 330.237	39575.3	39883.9	39675.9
Ni 231.604	20.7326	23.0612	22.0251
Pb 220.353	6.0385	4.3687	1.9559
Sb 206.834	-4.0723u	2.5309	-3.6045u
Se 196.026	-3.8154u	0.2653	6.8109
Sn 189.925	0.5634	2.3323	0.9032
Sr 216.596	53.4018	54.2713	53.7359
Ti 334.941	-0.1783u	-0.2467u	-0.1652u
Tl 190.794	3.5949	2.2007	3.2884
V 292.401	-0.1144u	-0.3984u	-0.3215u
Zn 206.200	32.9400	33.1749	32.4829

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2112	ppb	0.1282	60.7	-91.2903
Al 308.215	172.672	ppb	2.1909	1.3	912.069
As 188.980	-3.3742	ppb	0.9931	29.4	-0.6871
B 249.678	56.7861	ppb	2.2190	3.9	778.169
Ba 389.178	216.575	ppb	1.0134	0.5	4395.90
Be 313.042	0.4764	ppb	0.0104	2.2	745.310
Ca 370.602	1847	ppb	1.886	0.1	5238
Cd 226.502	0.5582	ppb	0.1113	19.9	33.2769
Co 228.615	36.4581	ppb	0.5387	1.5	399.707
Cr 267.716	1.4623	ppb	0.1139	7.8	62.3752
Cu 324.754	3.0067	ppb	0.1458	4.8	217.818
Fe 271.441	23.9858	ppb	3.7682	15.7	52.8914
K 766.491	3291.09	ppb	1.4873	0.0	139227
Mg 279.078	5544.79	ppb	9.2747	0.2	11106.0
Mn 257.610	25.5408	ppb	0.9244	3.6	5558.17
Mo 202.032	-0.6236	ppb	1.1901	190.8	11.3476
Na 330.237	39711.7	ppb	157.423	0.4	1911.98
Ni 231.604	21.9396	ppb	1.1666	5.3	55.4538
Pb 220.353	4.1210	ppb	2.0526	49.8	10.5538
Sb 206.834	-1.7153	ppb	3.6847	214.8	-0.4053
Se 196.026	1.0869	ppb	5.3606	493.2	-0.2142
Sn 189.925	1.2663	ppb	0.9387	74.1	-0.3429
Sr 216.596	53.8030	ppb	0.4386	0.8	471.672
Ti 334.941	-0.1967	ppb	0.0437	22.2	-58.8191
Tl 190.794	3.0280	ppb	0.7327	24.2	-0.6978
V 292.401	-0.2781	ppb	0.1469	52.8	0.8869
Zn 206.200	32.8659	ppb	0.3519	1.1	514250

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-2-a (Samp) **3/30/2013, 1:45:46 PM** **Rack 1, Tube 45****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.4634u	-0.8505u	-0.5402u
Al 308.215	763.370	763.322	770.042
As 188.980	-8.7849u	-6.7329u	-3.9414u
B 249.678	17.9834	16.1767	14.7692
Ba 389.178	1205.03	1204.36	1203.82
Be 313.042	2.8063	2.7906	2.7996
Ca 370.602	9315	9333	9354
Cd 226.502	1.9430	1.5547	2.0299
Co 228.615	51.7518	51.6387	51.2946
Cr 267.716	0.9588	1.0569	0.7470
Cu 324.754	12.2521	12.9683	12.3164
Fe 271.441	-1.1731	7.3468	0.1445
K 766.491	6526.67	6502.94	6502.39
Mg 279.078	28932.7	28910.7	28967.7
Mn 257.610	19.2404	18.9057	18.8422
Mo 202.032	-0.9241u	-0.8743u	-0.4514u
Na 330.237	119467x	119276x	119594x
Ni 231.604	40.2097	42.1696	39.1657
Pb 220.353	19.1302	17.9126	11.0466
Sb 206.834	-0.7300u	-1.9201u	-0.4651u
Se 196.026	-3.7776u	-0.8231u	0.9694
Sn 189.925	4.1115	0.8703	-0.3135u
Sr 216.596	289.784	291.134	290.674
Ti 334.941	-0.5702u	-0.5162u	-0.7161u
Tl 190.794	2.6250	0.7596	11.6950
V 292.401	-0.6338u	-0.4825u	-0.6597u
Zn 206.200	84.1741	84.3755	85.5743

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6180b	ppb	0.2049	33.2	-126.513
Al 308.215	765.578b	ppb	3.8658	0.5	3616.72
As 188.980	-6.4864b	ppb	2.4311	37.5	-2.6328
B 249.678	16.3098b	ppb	1.6112	9.9	398.386
Ba 389.178	1204.40b	ppb	0.6094	0.1	24519.4
Be 313.042	2.7989b	ppb	0.0079	0.3	5109.90
Ca 370.602	9334b	ppb	19.39	0.2	26558
Cd 226.502	1.8425b	ppb	0.2530	13.7	76.2162
Co 228.615	51.5617b	ppb	0.2382	0.5	559.446
Cr 267.716	0.9209b	ppb	0.1584	17.2	42.3373
Cu 324.754	12.5123b	ppb	0.3963	3.2	635.541
Fe 271.441	2.1061b	ppb	4.5862	217.8	20.3766
K 766.491	6510.67b	ppb	13.8598	0.2	275208
Mg 279.078	28937.0b	ppb	28.7575	0.1	57832.1
Mn 257.610	18.9961b	ppb	0.2139	1.1	4285.18
Mo 202.032	-0.7500b	ppb	0.2597	34.6	10.6196
Na 330.237	119446xb	ppb	159.891	0.1	5744.21
Ni 231.604	40.5150b	ppb	1.5250	3.8	100.403
Pb 220.353	16.0298b	ppb	4.3583	27.2	27.9090
Sb 206.834	-1.0384b	ppb	0.7750	74.6	0.1092
Se 196.026	-1.2104b	ppb	2.3971	198.0	-1.2844
Sn 189.925	1.5561b	ppb	2.2908	147.2	-0.1178
Sr 216.596	290.531b	ppb	0.6866	0.2	2499.76
Ti 334.941	-0.6008b	ppb	0.1034	17.2	-69.3903
Tl 190.794	5.0265b	ppb	5.8499	116.4	1.0943
V 292.401	-0.5920b	ppb	0.0957	16.2	-7.2933
Zn 206.200	84.7080b	ppb	0.7570	0.8	129.395

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-3-a (Samp) 3/30/2013, 1:51:12 PM Rack 1, Tube 46

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3003u	-0.0000u	0.1492
Al 308.215	324.279	326.646	330.916
As 188.980	-5.6393u	-4.6916u	-4.4092u
B 249.678	28.5335	27.7362	29.1312
Ba 389.178	32.9799	31.9149	31.5651
Be 313.042	0.0621	0.0705	0.0753
Ca 370.602	28263	28299	28416
Cd 226.502	0.0932	-0.1180u	-0.2570u
Co 228.615	0.3366	0.3146	0.6706
Cr 267.716	0.8621	0.4203	0.8603
Cu 324.754	2.1836	1.9381	2.4389
Fe 271.441	200.442	189.355	186.241
K 766.491	1013.81	1008.30	1008.08
Mg 279.078	2282.84	2284.63	2295.41
Mn 257.610	8.7483	8.4323	8.3918
Mo 202.032	-0.6777u	0.2209	-0.0921u
Na 330.237	21358.0	20944.3	21264.1
Ni 231.604	-0.6117u	-0.5508u	0.8382
Pb 220.353	1.6618	0.8479	1.9253
Sb 206.834	4.3910	0.8236	7.4339
Se 196.026	-2.3751u	-0.1420u	-5.2800u
Sn 189.925	-2.0055u	2.3506	-1.7507u
Sr 216.596	183.473	184.608	185.662
Ti 334.941	6.6673	6.7185	6.9151
Tl 190.794	5.6495	1.8103	4.9652
V 292.401	0.2776	-0.1631u	0.3517
Zn 206.200	3.2877	2.4608	4.5187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0504	ppb	0.2289	454.4	-86.0387
Al 308.215	327.280	ppb	3.3640	1.0	1617.41
As 188.980	-4.9134	ppb	0.6443	13.1	-1.4506
B 249.678	28.4669	ppb	0.6999	2.5	512.280
Ba 389.178	32.1533	ppb	0.7369	2.3	641.732
Be 313.042	0.0693	ppb	0.0067	9.6	-9.5189
Ca 370.602	28326	ppb	79.94	0.3	80626
Cd 226.502	-0.0940	ppb	0.1764	187.7	11.8094
Co 228.615	0.4406	ppb	0.1995	45.3	18.9240
Cr 267.716	0.7142	ppb	0.2545	35.6	32.8067
Cu 324.754	2.1869	ppb	0.2504	11.5	181.847
Fe 271.441	192.012	ppb	7.4642	3.9	313.712
K 766.491	1010.06	ppb	3.2493	0.3	42886.0
Mg 279.078	2287.63	ppb	6.7980	0.3	4600.01
Mn 257.610	8.5241	ppb	0.1952	2.3	1903.18
Mo 202.032	-0.1830	ppb	0.4561	249.3	13.8833
Na 330.237	21188.8	ppb	216.846	1.0	1021.75
Ni 231.604	-0.1081	ppb	0.8201	758.7	2.1050
Pb 220.353	1.4783	ppb	0.5616	38.0	6.7003
Sb 206.834	4.2162	ppb	3.3086	78.5	4.0054
Se 196.026	-2.5990	ppb	2.5763	99.1	-1.9318
Sn 189.925	-0.4686	ppb	2.4447	521.8	-1.5286
Sr 216.596	184.581	ppb	1.0951	0.6	1594.36
Ti 334.941	6.7670	ppb	0.1308	1.9	1480.86
Tl 190.794	4.1417	ppb	2.0478	49.4	0.2894
V 292.401	0.1554	ppb	0.2784	179.1	11.8977
Zn 206.200	3.4224	ppb	1.0355	30.3	7.1447

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-3-aSD^5 (Samp) **3/30/2013, 1:56:38 PM** **Rack 1, Tube 47****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2001	0.1072	-0.8025u
Al 308.215	80.8028	77.1540	77.7038
As 188.980	-8.7130u	-5.7652u	-4.7708u
B 249.678	-5.9270u	-7.2148u	-6.6497u
Ba 389.178	6.3665	6.4718	7.5560
Be 313.042	-0.0363u	-0.0360u	-0.0312u
Ca 370.602	6119	6079	6055
Cd 226.502	-0.2240u	0.0107	-0.2228u
Co 228.615	-0.0626u	0.2603	0.0133
Cr 267.716	-0.0336u	-0.3408u	0.4972
Cu 324.754	0.7023	-0.7071u	0.4132
Fe 271.441	38.4941	34.0760	54.3842
K 766.491	211.625	209.828	208.043
Mg 279.078	499.066	487.059	491.177
Mn 257.610	2.3705	2.4421	3.4735
Mo 202.032	-1.2131u	-1.3288u	-0.2426u
Na 330.237	4231.08	4223.24	4530.05
Ni 231.604	-0.1863u	-1.7909u	-1.7746u
Pb 220.353	-0.4187u	-1.0199u	-1.7049u
Sb 206.834	11.3299	-4.0557u	-8.1418u
Se 196.026	0.2045	4.9418	8.0373
Sn 189.925	5.9401	0.0715	1.5471
Sr 216.596	39.3053	37.8283	40.0910
Ti 334.941	1.5283	1.4950	1.4564
Tl 190.794	1.0272	2.8118	5.0548
V 292.401	-0.3239u	0.0084	0.2162
Zn 206.200	1.8222	-0.0861u	1.5505

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1651	ppb	0.5540	335.6	-87.8451
Al 308.215	78.5536	ppb	1.9672	2.5	482.697
As 188.980	-6.4163	ppb	2.0501	32.0	-2.6165
B 249.678	-6.5971	ppb	0.6455	9.8	183.401
Ba 389.178	6.7981	ppb	0.6585	9.7	122.265
Be 313.042	-0.0345	ppb	0.0029	8.3	-210.372
Ca 370.602	6084	ppb	32.23	0.5	17302
Cd 226.502	-0.1454	ppb	0.1352	93.0	9.8221
Co 228.615	0.0704	ppb	0.1689	240.0	14.9138
Cr 267.716	0.0410	ppb	0.4239	1034.9	6.1469
Cu 324.754	0.1361	ppb	0.7444	546.9	91.6649
Fe 271.441	42.3181	ppb	10.6805	25.2	76.6084
K 766.491	209.832	ppb	1.7907	0.9	9087.55
Mg 279.078	492.434	ppb	6.1011	1.2	1014.23
Mn 257.610	2.7620	ppb	0.6172	22.3	660.952
Mo 202.032	-0.9281	ppb	0.5965	64.3	9.5891
Na 330.237	4328.12	ppb	174.915	4.0	211.403
Ni 231.604	-1.2506	ppb	0.9218	73.7	-0.6626
Pb 220.353	-1.0478	ppb	0.6436	61.4	3.0221
Sb 206.834	-0.2892	ppb	10.2677	3550.9	0.6474
Se 196.026	4.3945	ppb	3.9450	89.8	1.3191
Sn 189.925	2.5196	ppb	3.0528	121.2	0.5072
Sr 216.596	39.0749	ppb	1.1488	2.9	346.185
Ti 334.941	1.4932	ppb	0.0360	2.4	301.424
Tl 190.794	2.9646	ppb	2.0181	68.1	-0.7422
V 292.401	-0.0331	ppb	0.2724	823.2	7.4111
Zn 206.200	1.0955	ppb	1.0323	94.3	2.6475

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-3-aPDS (Samp) **3/30/2013, 2:02:04 PM** **Rack 1, Tube 48****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.1922	51.6078	50.9829
Al 308.215	2418.24	2422.64	2425.01
As 188.980	2315.69	2325.82	2309.23
B 249.678	1162.67	1171.24	1178.88
Ba 389.178	2081.12	2082.16	2080.25
Be 313.042	54.8090	54.8848	54.7244
Ca 370.602	32986	32970	32967
Cd 226.502	53.1214	53.7476	53.1953
Co 228.615	538.722	541.525	533.769
Cr 267.716	213.484	213.776	214.524
Cu 324.754	272.138	272.253	271.963
Fe 271.441	1259.88	1271.88	1254.06
K 766.491	6565.20	6555.04	6515.05
Mg 279.078	7749.61	7745.17	7748.27
Mn 257.610	548.600	550.178	548.669
Mo 202.032	528.600	528.560	530.179
Na 330.237	26570.2	26431.1	26413.3
Ni 231.604	530.082	529.323	533.381
Pb 220.353	518.225	522.829	518.728
Sb 206.834	516.358	517.534	508.261
Se 196.026	2216.56	2203.88	2217.22
Sn 189.925	1068.69	1065.93	1057.00
Sr 216.596	727.428	726.023	726.998
Ti 334.941	1050.99	1048.93	1048.34
Tl 190.794	2114.94	2119.28	2116.52
V 292.401	526.581	527.517	525.551
Zn 206.200	533.796	538.880	534.528

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.2610	ppb	0.3181	0.6	3171.48
Al 308.215	2421.97	ppb	3.4349	0.1	11220.8
As 188.980	2316.91	ppb	8.3644	0.4	1499.50
B 249.678	1170.93	ppb	8.1056	0.7	11231.4
Ba 389.178	2081.17	ppb	0.9555	0.0	42288.8
Be 313.042	54.8061	ppb	0.0803	0.1	102946
Ca 370.602	32974	ppb	10.19	0.0	93968
Cd 226.502	53.3548	ppb	0.3422	0.6	1808.58
Co 228.615	538.005	ppb	3.9270	0.7	5712.42
Cr 267.716	213.928	ppb	0.5362	0.3	8377.43
Cu 324.754	272.118	ppb	0.1462	0.1	12052.6
Fe 271.441	1261.94	ppb	9.0875	0.7	2091.36
K 766.491	6545.10	ppb	26.5156	0.4	276663
Mg 279.078	7747.68	ppb	2.2772	0.0	15497.9
Mn 257.610	549.149	ppb	0.8922	0.2	117523
Mo 202.032	529.113	ppb	0.9235	0.2	3067.74
Na 330.237	26471.5	ppb	85.9056	0.3	1264.16
Ni 231.604	530.929	ppb	2.1574	0.4	1287.15
Pb 220.353	519.927	ppb	2.5252	0.5	761.706
Sb 206.834	514.051	ppb	5.0486	1.0	380.805
Se 196.026	2212.55	ppb	7.5169	0.3	1028.57
Sn 189.925	1063.87	ppb	6.1123	0.6	728.172
Sr 216.596	726.816	ppb	0.7196	0.1	6217.36
Ti 334.941	1049.42	ppb	1.3921	0.1	233610
Tl 190.794	2116.92	ppb	2.1983	0.1	1877.99
V 292.401	526.550	ppb	0.9836	0.2	13147.1
Zn 206.200	535.735	ppb	2.7481	0.5	807.103

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 2:07:29 PM Rack 1, Tube 49

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	512.819	508.545	507.269
Al 308.215	5299.89	5298.76	5286.92
As 188.980	506.107	506.879	524.928
B 249.678	623.107	629.800	630.347
Ba 389.178	4678.85	4688.81	4676.22
Be 313.042	502.431	501.188	500.431
Ca 370.602	5017	5021	4979
Cd 226.502	489.509	489.725	491.072
Co 228.615	489.444	491.461	492.776
Cr 267.716	4921.60	4918.63	4909.35
Cu 324.754	4932.09	4942.22	4887.90
Fe 271.441	5223.80	5228.81	5240.89
K 766.491	10469.9	10506.5	10464.0
Mg 279.078	5313.41	5318.29	5324.66
Mn 257.610	4869.75	4874.31	4874.44
Mo 202.032	502.711	501.078	501.976
Na 330.237	7603.12	7538.36	7790.18
Ni 231.604	2492.75	2490.42	2493.15
Pb 220.353	506.461	506.306	505.900
Sb 206.834	1000.07	1006.66	1015.75
Se 196.026	5352.11	5355.75	5356.16
Sn 189.925	5136.89	5163.36	5104.82
Sr 216.596	2543.47	2536.40	2530.48
Ti 334.941	512.993	513.464	510.948
Tl 190.794	5067.43	5078.95	5088.32
V 292.401	5078.29	5090.03	5089.28
Zn 206.200	2509.93	2500.19	2520.77

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	509.545	ppb	2.9070	0.6	32378.6	101.90891
Al 308.215	5295.19	ppb	7.1811	0.1	24260.2	105.90381
As 188.980	512.638	ppb	10.6507	2.1	332.749	102.52760
B 249.678	627.751	ppb	4.0312	0.6	6130.81	25.11006Q
Ba 389.178	4681.30	ppb	6.6369	0.1	95123.3	93.62591
Be 313.042	501.350	ppb	1.0096	0.2	943523	100.26998
Ca 370.602	5006	ppb	23.46	0.5	14097	100.11134
Cd 226.502	490.102	ppb	0.8468	0.2	16479.0	98.02039
Co 228.615	491.227	ppb	1.6782	0.3	5217.00	98.24539
Cr 267.716	4916.53	ppb	6.3881	0.1	192416	98.33053
Cu 324.754	4920.74	ppb	28.8828	0.6	216299	98.41475
Fe 271.441	5231.17	ppb	8.7819	0.2	8410.10	104.62334
K 766.491	10480.1	ppb	23.0191	0.2	442862	104.80122
Mg 279.078	5318.78	ppb	5.6410	0.1	10580.3	106.37567
Mn 257.610	4872.83	ppb	2.6675	0.1	1041936	97.45669
Mo 202.032	501.922	ppb	0.8180	0.2	2903.83	100.38436
Na 330.237	7643.89	ppb	130.767	1.7	348.190	101.91848
Ni 231.604	2492.11	ppb	1.4765	0.1	6032.96	99.68422
Pb 220.353	506.222	ppb	0.2895	0.1	742.790	101.24444
Sb 206.834	1007.49	ppb	7.8730	0.8	786.355	100.74937
Se 196.026	5354.67	ppb	2.2287	0.0	2491.15	107.09341
Sn 189.925	5135.02	ppb	29.3185	0.6	3519.28	102.70044
Sr 216.596	2536.78	ppb	6.5017	0.3	21694.4	101.47134
Ti 334.941	512.469	ppb	1.3375	0.3	114069	102.49374
Tl 190.794	5078.23	ppb	10.4637	0.2	4506.67	101.56464
V 292.401	5085.87	ppb	6.5759	0.1	127445	101.71733
Zn 206.200	2510.30	ppb	10.2939	0.4	2763.04	100.41183

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 2:12:53 PM Rack 1, Tube 50
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8331u	-0.7499u	1.1116
Al 308.215	1.4102	1.4471	-1.5436u
As 188.980	-5.8923u	0.8874	-5.6619u
B 249.678	6.3013	3.4677	2.4029
Ba 389.178	0.1353	-0.4055u	0.1733
Be 313.042	-0.0607u	-0.0642u	-0.0570u
Ca 370.602	0.4328	1.652	-0.0144u
Cd 226.502	-0.1072u	0.1214	-0.1031u
Co 228.615	-0.1258u	-0.6162u	0.3800
Cr 267.716	0.1170	-0.3986u	-0.3650u
Cu 324.754	-1.3777u	-0.2714u	0.6107
Fe 271.441	-7.0348u	-1.1553u	-5.8273u
K 766.491	-1.9742u	-0.7529u	-0.8076u
Mg 279.078	-3.3726u	-1.2458u	1.4098
Mn 257.610	0.0292	0.0392	-0.0327u
Mo 202.032	0.8221	0.1170	0.4237
Na 330.237	-19.6586u	-130.732u	65.5371
Ni 231.604	1.1258	-1.4980u	0.3627
Pb 220.353	1.3429	-2.7876u	1.6489
Sb 206.834	4.5716	2.8333	5.3644
Se 196.026	1.2971	6.0330	-4.6669u
Sn 189.925	1.3098	5.7436	-0.3477u
Sr 216.596	1.2609	-0.0716u	-0.0639u
Ti 334.941	-0.0489u	-0.0680u	-0.1891u
Tl 190.794	8.1630	2.1739	0.5201
V 292.401	-0.2955u	-0.3303u	0.0417
Zn 206.200	-1.4010u	1.5776	0.3024

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1571	ppb	1.0995	699.8	-85.8668	-0.15712
Al 308.215	0.4379	ppb	1.7161	391.9	126.523	0.43789
As 188.980	-3.5556	ppb	3.8495	108.3	-0.8206	-3.55559
B 249.678	4.0573	ppb	2.0150	49.7	283.414	4.05730
Ba 389.178	-0.0323	ppb	0.3238	1002.9	-17.6895	-0.03229
Be 313.042	-0.0606	ppb	0.0036	5.9	-261.388	-0.06063
Ca 370.602	0.6900	ppb	0.8624	125.0	-18.14	0.69004
Cd 226.502	-0.0296	ppb	0.1308	441.7	13.6325	-0.02962
Co 228.615	-0.1207	ppb	0.4981	412.8	12.8093	-0.12066
Cr 267.716	-0.2155	ppb	0.2885	133.8	-3.9758	-0.21553
Cu 324.754	-0.3461	ppb	0.9963	287.8	70.4999	-0.34614
Fe 271.441	-4.6725	ppb	3.1052	66.5	2.1921	-4.67246
K 766.491	-1.1782	ppb	0.6898	58.5	175.362	-1.17823
Mg 279.078	-1.0695	ppb	2.3961	224.0	28.5108	-1.06950
Mn 257.610	0.0119	ppb	0.0389	326.9	70.1380	0.01190
Mo 202.032	0.4543	ppb	0.3536	77.8	17.5692	0.45427
Na 330.237	-28.2845	ppb	98.4185	348.0	2.0323	-28.28450
Ni 231.604	-0.0032	ppb	1.3496	42803.1	2.3552	-0.00315
Pb 220.353	0.0681	ppb	2.4778	3639.2	4.6494	0.06809
Sb 206.834	4.2564	ppb	1.2946	30.4	4.0186	4.25643
Se 196.026	0.8878	ppb	5.3617	604.0	-0.3129	0.88776
Sn 189.925	2.2352	ppb	3.1493	140.9	0.3089	2.23523
Sr 216.596	0.3752	ppb	0.7671	204.5	14.1317	0.37515
Ti 334.941	-0.1020	ppb	0.0760	74.5	-55.2169	-0.10200
Tl 190.794	3.6190	ppb	4.0212	111.1	-0.1557	3.61897
V 292.401	-0.1947	ppb	0.2055	105.5	3.0869	-0.19470
Zn 206.200	0.1597	ppb	1.4944	936.8	2.2405	0.15966

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-3-b ms (Samp) **3/30/2013, 2:18:17 PM** **Rack 1, Tube 51****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.4354	9.1710	8.9158
Al 308.215	5538.02	5540.66	5553.12
As 188.980	110.080	108.187	114.601
B 249.678	248.749	252.777	252.647
Ba 389.178	130.594	131.385	131.128
Be 313.042	54.7329	54.7477	54.7795
Ca 370.602	33020	33008	32944
Cd 226.502	52.9268	52.8791	53.2191
Co 228.615	53.4162	53.5464	54.1270
Cr 267.716	106.033	105.591	106.158
Cu 324.754	107.869	107.330	107.602
Fe 271.441	5396.58	5402.06	5423.64
K 766.491	6333.06	6335.55	6348.65
Mg 279.078	7644.59	7633.15	7615.95
Mn 257.610	541.405	540.513	541.543
Mo 202.032	102.670	100.844	101.795
Na 330.237	26450.3	26059.2	25930.4
Ni 231.604	104.133	103.294	105.537
Pb 220.353	54.6417	47.8124	48.1731
Sb 206.834	48.3157	47.0014	61.6314
Se 196.026	112.048	108.560	111.432
Sn 189.925	201.781	202.459	205.999
Sr 216.596	288.091	289.609	287.137
Ti 334.941	107.454	107.593	107.308
Tl 190.794	40.0729	41.1661	36.7453
V 292.401	105.688	105.179	105.367
Zn 206.200	107.658	108.578	107.451

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.1740	ppb	0.2598	2.8	501.129
Al 308.215	5543.93	ppb	8.0637	0.1	25423.3
As 188.980	110.956	ppb	3.2954	3.0	73.4163
B 249.678	251.391	ppb	2.2889	0.9	2599.18
Ba 389.178	131.036	ppb	0.4031	0.3	2670.18
Be 313.042	54.7534	ppb	0.0238	0.0	102930
Ca 370.602	32990	ppb	40.82	0.1	93558
Cd 226.502	53.0083	ppb	0.1841	0.3	1805.92
Co 228.615	53.6965	ppb	0.3784	0.7	581.414
Cr 267.716	105.928	ppb	0.2979	0.3	4152.85
Cu 324.754	107.600	ppb	0.2694	0.3	4817.17
Fe 271.441	5407.43	ppb	14.3051	0.3	8583.15
K 766.491	6339.09	ppb	8.3736	0.1	267962
Mg 279.078	7631.23	ppb	14.4151	0.2	15265.2
Mn 257.610	541.154	ppb	0.5590	0.1	115823
Mo 202.032	101.769	ppb	0.9134	0.9	601.909
Na 330.237	26146.6	ppb	270.768	1.0	1257.15
Ni 231.604	104.321	ppb	1.1335	1.1	254.909
Pb 220.353	50.2091	ppb	3.8430	7.7	77.6149
Sb 206.834	52.3161	ppb	8.0940	15.5	40.0392
Se 196.026	110.680	ppb	1.8615	1.7	50.9127
Sn 189.925	203.413	ppb	2.2654	1.1	138.253
Sr 216.596	288.279	ppb	1.2467	0.4	2480.35
Ti 334.941	107.452	ppb	0.1426	0.1	23914.4
Tl 190.794	39.3281	ppb	2.3026	5.9	30.6677
V 292.401	105.411	ppb	0.2572	0.2	2634.02
Zn 206.200	107.896	ppb	0.5999	0.6	162.962

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-3-c msd (Samp) **3/30/2013, 2:23:41 PM** **Rack 1, Tube 52****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.4062	8.6829	9.5204
Al 308.215	5776.14	5781.39	5766.09
As 188.980	107.465	105.751	109.570
B 249.678	254.622	256.743	258.658
Ba 389.178	133.754	135.148	133.119
Be 313.042	55.4014	55.4459	55.5031
Ca 370.602	34324	34290	34304
Cd 226.502	53.7409	53.8235	53.4971
Co 228.615	53.3755	53.7293	53.3168
Cr 267.716	108.142	107.412	106.965
Cu 324.754	108.616	109.493	109.283
Fe 271.441	5527.69	5523.24	5520.11
K 766.491	6415.42	6429.36	6441.96
Mg 279.078	7734.91	7742.71	7734.83
Mn 257.610	561.388	561.341	561.118
Mo 202.032	105.405	104.305	102.071
Na 330.237	26012.5	25941.0	25782.6
Ni 231.604	105.627	103.688	104.699
Pb 220.353	51.2383	49.4092	49.2438
Sb 206.834	44.1551	60.4745	52.5774
Se 196.026	107.528	112.265	118.598
Sn 189.925	212.302	207.098	209.483
Sr 216.596	297.208	295.631	296.856
Ti 334.941	113.513	113.561	113.331
Tl 190.794	43.2403	41.1433	41.6880
V 292.401	106.696	105.856	106.010
Zn 206.200	111.802	110.158	111.786

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.2032	ppb	0.4542	4.9	502.736
Al 308.215	5774.54	ppb	7.7713	0.1	26475.5
As 188.980	107.596	ppb	1.9131	1.8	71.2537
B 249.678	256.674	ppb	2.0190	0.8	2648.66
Ba 389.178	134.007	ppb	1.0379	0.8	2730.92
Be 313.042	55.4501	ppb	0.0510	0.1	104242
Ca 370.602	34306	ppb	16.72	0.0	97298
Cd 226.502	53.6872	ppb	0.1697	0.3	1828.93
Co 228.615	53.4739	ppb	0.2231	0.4	579.119
Cr 267.716	107.507	ppb	0.5943	0.6	4214.74
Cu 324.754	109.131	ppb	0.4583	0.4	4884.51
Fe 271.441	5523.68	ppb	3.8077	0.1	8767.17
K 766.491	6428.91	ppb	13.2778	0.2	271756
Mg 279.078	7737.48	ppb	4.5260	0.1	15477.1
Mn 257.610	561.282	ppb	0.1444	0.0	120127
Mo 202.032	103.927	ppb	1.6986	1.6	614.357
Na 330.237	25912.0	ppb	117.681	0.5	1245.78
Ni 231.604	104.671	ppb	0.9694	0.9	255.758
Pb 220.353	49.9638	ppb	1.1068	2.2	77.2522
Sb 206.834	52.4023	ppb	8.1611	15.6	40.0946
Se 196.026	112.797	ppb	5.5545	4.9	51.9027
Sn 189.925	209.628	ppb	2.6046	1.2	142.514
Sr 216.596	296.565	ppb	0.8281	0.3	2551.39
Ti 334.941	113.468	ppb	0.1212	0.1	25254.1
Tl 190.794	42.0239	ppb	1.0881	2.6	33.0322
V 292.401	106.187	ppb	0.4475	0.4	2653.10
Zn 206.200	111.249	ppb	0.9447	0.8	169.001

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-4-a (Samp) 3/30/2013, 2:29:06 PM Rack 1, Tube 53

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4069u	-0.8638u	-1.2636u
Al 308.215	1715.52	1712.16	1712.86
As 188.980	-6.6449u	-8.9127u	-3.4597u
B 249.678	20.7579	19.8301	18.2956
Ba 389.178	98.0336	98.8778	99.2127
Be 313.042	0.4306	0.4389	0.4321
Ca 370.602	2364	2356	2350
Cd 226.502	-0.1778u	0.1032	0.0037
Co 228.615	5.8418	5.7738	5.6606
Cr 267.716	-0.4421u	-0.4913u	0.3692
Cu 324.754	2.7633	1.9984	1.8828
Fe 271.441	14.2023	11.0806	9.5486
K 766.491	2796.59	2784.72	2793.31
Mg 279.078	3859.92	3847.22	3859.66
Mn 257.610	32.2302	31.9435	32.0646
Mo 202.032	-0.3132u	-0.0245u	-1.4420u
Na 330.237	10984.4	10523.5	10634.3
Ni 231.604	1.3951	0.9291	1.8536
Pb 220.353	4.5868	-3.0446u	2.2696
Sb 206.834	4.6256	-6.0509u	0.9714
Se 196.026	5.6885	-9.8386u	3.3420
Sn 189.925	-2.6182u	6.0916	0.1456
Sr 216.596	40.3368	41.7740	41.6588
Ti 334.941	-0.1741u	-0.0289	-0.0455
Tl 190.794	4.9180	10.7106	4.0029
V 292.401	-0.1722u	-0.5762u	-0.3340u
Zn 206.200	36.0645	37.5798	34.5220

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8448	ppb	0.4287	50.7	-131.202
Al 308.215	1713.51	ppb	1.7769	0.1	7940.95
As 188.980	-6.3391	ppb	2.7393	43.2	-2.5994
B 249.678	19.6278	ppb	1.2435	6.3	429.509
Ba 389.178	98.7080	ppb	0.6076	0.6	1997.31
Be 313.042	0.4339	ppb	0.0044	1.0	669.096
Ca 370.602	2357	ppb	7.034	0.3	6691
Cd 226.502	-0.0236	ppb	0.1425	603.0	13.8529
Co 228.615	5.7587	ppb	0.0915	1.6	75.0117
Cr 267.716	-0.1881	ppb	0.4832	256.9	-2.6121
Cu 324.754	2.2148	ppb	0.4785	21.6	183.033
Fe 271.441	11.6105	ppb	2.3717	20.4	28.7743
K 766.491	2791.54	ppb	6.1281	0.2	118128
Mg 279.078	3855.60	ppb	7.2602	0.2	7731.26
Mn 257.610	32.0794	ppb	0.1439	0.4	6947.16
Mo 202.032	-0.5932	ppb	0.7491	126.3	11.5236
Na 330.237	10714.1	ppb	240.575	2.2	518.131
Ni 231.604	1.3926	ppb	0.4623	33.2	5.7336
Pb 220.353	1.2706	ppb	3.9125	307.9	6.3814
Sb 206.834	-0.1513	ppb	5.4260	3586.1	0.7412
Se 196.026	-0.2694	ppb	8.3698	3107.2	-0.8436
Sn 189.925	1.2063	ppb	4.4507	368.9	-0.3925
Sr 216.596	41.2566	ppb	0.7986	1.9	364.506
Ti 334.941	-0.0828	ppb	0.0795	96.0	-37.6366
Tl 190.794	6.5439	ppb	3.6374	55.6	2.4046
V 292.401	-0.3608	ppb	0.2034	56.4	-1.0128
Zn 206.200	36.0554	ppb	1.5290	4.3	562.2270

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-5-a (Samp) 3/30/2013, 2:34:30 PM Rack 1, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3333u	-0.5823u	-0.7038u
Al 308.215	607.770	613.213	610.860
As 188.980	-7.1473u	-2.7337u	-6.0211u
B 249.678	8.8770	8.3046	7.9025
Ba 389.178	762.036	761.288	762.889
Be 313.042	3.8227	3.8308	3.8284
Ca 370.602	28937	28973	28950
Cd 226.502	0.2724	0.1171	0.2106
Co 228.615	17.8306	17.4453	17.5016
Cr 267.716	0.3560	0.1688	0.0572
Cu 324.754	0.2813	0.7369	0.6118
Fe 271.441	870.440	865.040	869.398
K 766.491	9128.58	9144.36	9178.48
Mg 279.078	25188.6	25272.4	25233.2
Mn 257.610	166.363	166.411	166.581
Mo 202.032	-0.8621u	-0.3439u	-1.0936u
Na 330.237	279134x	278817x	279363x
Ni 231.604	21.2819	19.8865	21.6966
Pb 220.353	5.6702	-0.0712u	-1.7461u
Sb 206.834	15.1495	1.4864	4.0124
Se 196.026	7.0060	4.0580	-2.0952u
Sn 189.925	4.1449	0.4054	2.2695
Sr 216.596	421.573	420.311	422.406
Ti 334.941	-0.1574	-0.1434	-0.0595
Tl 190.794	2.9998	3.8778	3.2627
V 292.401	0.6370	0.5083	-0.4345u
Zn 206.200	16.0156	18.0592	17.8140

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5398b	ppb	0.1889	35.0	-125.768
Al 308.215	610.614b	ppb	2.7302	0.4	2909.76
As 188.980	-5.3007b	ppb	2.2933	43.3	-1.7034
B 249.678	8.3614b	ppb	0.4897	5.9	322.995
Ba 389.178	762.071b	ppb	0.8008	0.1	15525.2
Be 313.042	3.8273b	ppb	0.0042	0.1	7034.37
Ca 370.602	28953b	ppb	18.15	0.1	82365
Cd 226.502	0.2000b	ppb	0.0782	39.1	22.1178
Co 228.615	17.5925b	ppb	0.2081	1.2	200.183
Cr 267.716	0.1940b	ppb	0.1510	77.8	16.9380
Cu 324.754	0.5433b	ppb	0.2354	43.3	109.770
Fe 271.441	868.293b	ppb	2.8646	0.3	1387.45
K 766.491	9150.47b	ppb	25.5046	0.3	386703
Mg 279.078	25231.4b	ppb	41.9435	0.2	50428.0
Mn 257.610	166.452b	ppb	0.1146	0.1	35793.4
Mo 202.032	-0.7665b	ppb	0.3839	50.1	10.4881
Na 330.237	279104xb	ppb	274.201	0.1	13418.8
Ni 231.604	20.9550b	ppb	0.9483	4.5	53.0875
Pb 220.353	1.2843b	ppb	3.8895	302.9	6.4421
Sb 206.834	6.8828b	ppb	7.2698	105.6	6.0349
Se 196.026	2.9896b	ppb	4.6437	155.3	0.7084
Sn 189.925	2.2733b	ppb	1.8698	82.3	0.4282
Sr 216.596	421.430b	ppb	1.0549	0.3	3623.15
Ti 334.941	-0.1201b	ppb	0.0530	44.1	14.4176
Tl 190.794	3.3801b	ppb	0.4506	13.3	-0.6169
V 292.401	0.2370b	ppb	0.5851	246.9	12.4386
Zn 206.200	17.2963b	ppb	1.1158	6.5	28.0121

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-6-a (Samp) **3/30/2013, 2:39:55 PM** **Rack 1, Tube 55****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3325	-0.1652u	0.0988
Al 308.215	152.011	151.050	149.012
As 188.980	-1.4952u	-2.5355u	-4.1538u
B 249.678	0.3923	-0.1407u	-0.6046u
Ba 389.178	45.9431	45.1549	45.3752
Be 313.042	0.1551	0.1493	0.1520
Ca 370.602	1273	1271	1264
Cd 226.502	-0.2898u	-0.0169	-0.0609
Co 228.615	2.7346	2.6745	1.4304
Cr 267.716	-0.2158u	-0.2312u	-0.2983u
Cu 324.754	-0.3868u	0.0756	-0.1575u
Fe 271.441	3129.61	3114.01	3135.20
K 766.491	1492.91	1490.82	1494.55
Mg 279.078	2411.41	2398.29	2393.24
Mn 257.610	52.8014	52.5817	52.6021
Mo 202.032	-0.7391u	-0.3633u	-0.4089u
Na 330.237	59970.1	59711.5	60171.7
Ni 231.604	0.6172	1.1391	0.3805
Pb 220.353	-3.5013u	-2.8935u	-3.1257u
Sb 206.834	2.9643	-8.5587u	-0.8845u
Se 196.026	10.6627	-2.2418u	0.3445
Sn 189.925	2.1244	6.6833	2.2348
Sr 216.596	23.9501	23.3014	23.6572
Ti 334.941	-0.1812u	-0.1446u	-0.2372u
Tl 190.794	-1.7521u	-4.0940u	-3.3282u
V 292.401	1.7304	0.8516	1.4157
Zn 206.200	4.3427	5.8925	5.7676

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0887	ppb	0.2490	280.7	-70.8689
Al 308.215	150.691	ppb	1.5312	1.0	811.785
As 188.980	-2.7282	ppb	1.3397	49.1	-0.3074
B 249.678	-0.1177	ppb	0.4988	424.0	241.320
Ba 389.178	45.4911	ppb	0.4067	0.9	916.627
Be 313.042	0.1521	ppb	0.0029	1.9	132.439
Ca 370.602	1269	ppb	4.649	0.4	3368
Cd 226.502	-0.1225	ppb	0.1465	119.6	17.0649
Co 228.615	2.2798	ppb	0.7362	32.3	38.1349
Cr 267.716	-0.2484	ppb	0.0438	17.6	-3.6003
Cu 324.754	-0.1562	ppb	0.2312	148.0	79.6174
Fe 271.441	3126.27	ppb	10.9849	0.4	4961.55
K 766.491	1492.76	ppb	1.8681	0.1	63273.1
Mg 279.078	2400.98	ppb	9.3767	0.4	4826.31
Mn 257.610	52.6617	ppb	0.1214	0.2	11347.4
Mo 202.032	-0.5038	ppb	0.2051	40.7	11.9134
Na 330.237	59951.1	ppb	230.657	0.4	2884.15
Ni 231.604	0.7122	ppb	0.3882	54.5	4.1461
Pb 220.353	-3.1735	ppb	0.3067	9.7	-0.0703
Sb 206.834	-2.1596	ppb	5.8664	271.6	-0.6991
Se 196.026	2.9218	ppb	6.8274	233.7	0.6627
Sn 189.925	3.6808	ppb	2.6008	70.7	1.3183
Sr 216.596	23.6362	ppb	0.3249	1.4	214.531
Ti 334.941	-0.1877	ppb	0.0466	24.8	-69.1086
Tl 190.794	-3.0581	ppb	1.1941	39.0	-6.3006
V 292.401	1.3326	ppb	0.4453	33.4	41.2528
Zn 206.200	5.3343	ppb	0.8610	16.1	10.0229

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-7-a (Samp) 3/30/2013, 2:45:20 PM Rack 1, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4423u	-0.2225u	-0.2685u
Al 308.215	413.257	415.573	417.198
As 188.980	2.2389	1.4698	-3.2783u
B 249.678	-2.2349u	-1.8323u	-3.2424u
Ba 389.178	134.724	135.133	135.637
Be 313.042	0.3125	0.3061	0.3002
Ca 370.602	3607	3633	3636
Cd 226.502	1.0645	1.0064	1.2704
Co 228.615	1.2428	0.7660	1.3677
Cr 267.716	0.3365	0.7290	0.6146
Cu 324.754	1.1046	1.8486	1.5248
Fe 271.441	157.203	144.476	149.138
K 766.491	1902.14	1915.46	1917.98
Mg 279.078	3228.33	3255.37	3249.70
Mn 257.610	11.8092	11.7668	11.7989
Mo 202.032	0.3013	-0.4935u	-0.9321u
Na 330.237	38796.5	39055.9	38954.6
Ni 231.604	4.3897	-1.6960u	1.3182
Pb 220.353	1.7750	0.4628	2.6670
Sb 206.834	-6.0660u	2.4733	-1.2212u
Se 196.026	7.8616	-0.7239u	4.5856
Sn 189.925	-5.5713u	-1.2056u	-2.0558u
Sr 216.596	56.6095	56.4019	56.1422
Ti 334.941	5.5601	5.8257	5.7078
Tl 190.794	-2.4902u	4.8732	2.2640
V 292.401	1.3140	0.8176	0.9443
Zn 206.200	47.5750	47.2922	46.9857

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3111	ppb	0.1159	37.3	-97.7822
Al 308.215	415.343	ppb	1.9805	0.5	2019.07
As 188.980	0.1435	ppb	2.9882	2082.6	1.6014
B 249.678	-2.4365	ppb	0.7263	29.8	222.338
Ba 389.178	135.165	ppb	0.4573	0.3	2736.78
Be 313.042	0.3063	ppb	0.0062	2.0	425.917
Ca 370.602	3625	ppb	15.88	0.4	10293
Cd 226.502	1.1138	ppb	0.1387	12.5	52.1927
Co 228.615	1.1255	ppb	0.3175	28.2	26.1541
Cr 267.716	0.5601	ppb	0.2019	36.0	27.0219
Cu 324.754	1.4927	ppb	0.3730	25.0	151.314
Fe 271.441	150.272	ppb	6.4389	4.3	247.912
K 766.491	1911.86	ppb	8.5083	0.4	80974.0
Mg 279.078	3244.47	ppb	14.2614	0.4	6511.22
Mn 257.610	11.7916	ppb	0.0221	0.2	2606.52
Mo 202.032	-0.3748	ppb	0.6252	166.8	12.7764
Na 330.237	38935.6	ppb	130.738	0.3	1874.50
Ni 231.604	1.3373	ppb	3.0429	227.5	5.6020
Pb 220.353	1.6349	ppb	1.1088	67.8	6.9282
Sb 206.834	-1.6047	ppb	4.2825	266.9	-0.3316
Se 196.026	3.9078	ppb	4.3327	110.9	1.0954
Sn 189.925	-2.9442	ppb	2.3145	78.6	-3.2292
Sr 216.596	56.3845	ppb	0.2341	0.4	494.250
Ti 334.941	5.6979	ppb	0.1331	2.3	1245.22
Tl 190.794	1.5490	ppb	3.7334	241.0	-2.0165
V 292.401	1.0253	ppb	0.2579	25.2	33.6988
Zn 206.200	47.2843	ppb	0.2947	0.6	72.1124

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88758-e-8-a (Samp) 3/30/2013, 2:50:46 PM Rack 1, Tube 57

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-4.0712u	-4.1828u	-4.0634u
Al 308.215	8225.63	8230.23	8282.11
As 188.980	9.9702	12.3550	8.9411
B 249.678	54.0690	56.0987	57.4877
Ba 389.178	221.600	221.581	223.268
Be 313.042	35.6727	35.6731	35.8578
Ca 370.602	168019	168206	169046
Cd 226.502	-0.1743	-0.2044	-0.4388
Co 228.615	275.548	276.212	278.472
Cr 267.716	3.9096	3.5156	3.9147
Cu 324.754	0.1934	0.0852	-0.1910u
Fe 271.441	14564.5	14589.5	14618.4
K 766.491	8933.57	8916.18	8941.02
Mg 279.078	190979	190804	191876
Mn 257.610	425.201	424.376	425.876
Mo 202.032	-0.1713u	-1.0418u	-1.0538u
Na 330.237	527144x	527197x	530025x
Ni 231.604	207.343	200.837	206.416
Pb 220.353	9.3332	4.7880	4.3881
Sb 206.834	2.7691	-2.3802u	6.7755
Se 196.026	0.1172	-12.6236u	0.1077
Sn 189.925	2.1500	6.7936	0.1685
Sr 216.596	2097.81	2102.66	2109.13
Ti 334.941	-2.2306	-2.1779	-2.2393
Tl 190.794	0.8205u	-0.4907u	3.4523
V 292.401	4.2315	3.9832	4.3584
Zn 206.200	75.7330	75.6757	74.7812

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.1058b	ppb	0.0668	1.6	-418.204
Al 308.215	8245.99b	ppb	31.3656	0.4	37739.9
As 188.980	10.4221b	ppb	1.7512	16.8	9.5425
B 249.678	55.8851b	ppb	1.7193	3.1	756.093
Ba 389.178	222.150b	ppb	0.9690	0.4	4956.00
Be 313.042	35.7345b	ppb	0.1067	0.3	67121.6
Ca 370.602	168424b	ppb	546.9	0.3	478515
Cd 226.502	-0.2725b	ppb	0.1448	53.1	36.8754
Co 228.615	276.744b	ppb	1.5328	0.6	2940.52
Cr 267.716	3.7800b	ppb	0.2289	6.1	164.574
Cu 324.754	0.0292b	ppb	0.1982	678.7	90.7277
Fe 271.441	14590.8b	ppb	26.9977	0.2	23159.9
K 766.491	8930.26b	ppb	12.7446	0.1	377402
Mg 279.078	191220b	ppb	575.582	0.3	381987
Mn 257.610	425.151b	ppb	0.7510	0.2	92039.4
Mo 202.032	-0.7556b	ppb	0.5061	67.0	9.9980
Na 330.237	528122xb	ppb	1648.17	0.3	25384.1
Ni 231.604	204.865b	ppb	3.5191	1.7	498.386
Pb 220.353	6.1698b	ppb	2.7469	44.5	13.4192
Sb 206.834	2.3882b	ppb	4.5897	192.2	3.1234
Se 196.026	-4.1329b	ppb	7.3531	177.9	-2.4676
Sn 189.925	3.0374b	ppb	3.4006	112.0	1.0741
Sr 216.596	2103.20b	ppb	5.6760	0.3	18042.0
Ti 334.941	-2.2159b	ppb	0.0332	1.5	133.596
Tl 190.794	1.2607b	ppb	2.0080	159.3	-3.3453
V 292.401	4.1911b	ppb	0.1909	4.6	111.428
Zn 206.200	75.3966b	ppb	0.5327	0.7	115.383

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-271027/1-a (Samp) 3/30/2013, 2:56:11 PM Rack 1, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0004	-0.4442u	0.9509
Al 308.215	4.5857	-0.7850u	2.5713
As 188.980	-3.3520u	-10.5452u	-10.2000u
B 249.678	-16.3656u	-15.0217u	-14.9736u
Ba 389.178	-0.5737u	-2.9353u	-0.3558u
Be 313.042	-0.0569u	-0.0712u	-0.0594u
Ca 370.602	4.702	-3.871u	4.466
Cd 226.502	0.0075	-0.4880u	-0.4023u
Co 228.615	0.0308	-0.3650u	-0.4883u
Cr 267.716	0.2291	-0.3795u	-0.4647u
Cu 324.754	-0.2755u	0.1896	0.0034
Fe 271.441	-8.3089u	-1.5842u	-3.8822u
K 766.491	-0.5320u	0.7105	-0.0424u
Mg 279.078	0.8782	-6.2978u	-0.3266u
Mn 257.610	0.0511	0.0000u	-0.0685u
Mo 202.032	-1.3685u	-1.0330u	-0.0608u
Na 330.237	-7.6292u	-232.564u	-192.466u
Ni 231.604	-0.6352u	-1.4179u	-0.7808u
Pb 220.353	3.7396	-2.0823u	-3.1282u
Sb 206.834	-5.7172u	4.9795	2.5519
Se 196.026	0.6674	-4.0080u	5.3067
Sn 189.925	-4.6060u	2.0694	3.8427
Sr 216.596	-0.5889u	-0.5252u	-0.2977u
Ti 334.941	-0.1121u	-0.1888u	-0.0467u
Tl 190.794	5.5796	-4.1685u	5.0677
V 292.401	-0.6306u	-0.0783u	-0.6335u
Zn 206.200	-2.0260u	-0.5434u	0.2442

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1690	ppb	0.7127	421.7	-65.0208
Al 308.215	2.1240	ppb	2.7132	127.7	134.082
As 188.980	-8.0324	ppb	4.0570	50.5	-3.7145
B 249.678	-15.4536	ppb	0.7902	5.1	100.340
Ba 389.178	-1.2883	ppb	1.4305	111.0	-43.2226
Be 313.042	-0.0625	ppb	0.0076	12.2	-264.669
Ca 370.602	1.766	ppb	4.883	276.5	-14.77
Cd 226.502	-0.2943	ppb	0.2649	90.0	4.7391
Co 228.615	-0.2742	ppb	0.2712	98.9	11.2254
Cr 267.716	-0.2050	ppb	0.3783	184.5	-3.5645
Cu 324.754	-0.0275	ppb	0.2341	851.3	84.4727
Fe 271.441	-4.5918	ppb	3.4180	74.4	2.3334
K 766.491	0.0454	ppb	0.6259	1379.9	227.041
Mg 279.078	-1.9154	ppb	3.8428	200.6	26.8196
Mn 257.610	-0.0058	ppb	0.0600	1036.7	66.3381
Mo 202.032	-0.8208	ppb	0.6792	82.8	10.2113
Na 330.237	-144.220	ppb	119.978	83.2	-3.5320
Ni 231.604	-0.9447	ppb	0.4163	44.1	0.0768
Pb 220.353	-0.4903	ppb	3.7003	754.7	3.8364
Sb 206.834	0.6047	ppb	5.6079	927.4	1.3093
Se 196.026	0.6553	ppb	4.6574	710.7	-0.4211
Sn 189.925	0.4354	ppb	4.4551	1023.2	-0.9250
Sr 216.596	-0.4706	ppb	0.1531	32.5	6.9295
Ti 334.941	-0.1159	ppb	0.0711	61.4	-58.2995
Tl 190.794	2.1596	ppb	5.4863	254.0	-1.4523
V 292.401	-0.4474	ppb	0.3197	71.5	-3.0339
Zn 206.200	-0.7751	ppb	1.1527	148.7	-0.8346

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Ics 680-271027/2-a (Samp) 3/30/2013, 3:01:37 PM Rack 1, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	8.7416	9.7001	8.7544
Al 308.215	5250.23	5213.32	5228.48
As 188.980	108.233	103.160	111.095
B 249.678	208.950	208.722	212.720
Ba 389.178	97.9816	98.1760	99.8042
Be 313.042	55.0357	54.6956	54.7235
Ca 370.602	4996	4951	4974
Cd 226.502	53.9038	53.6965	53.5733
Co 228.615	53.9681	52.9649	52.2405
Cr 267.716	106.464	106.814	106.667
Cu 324.754	106.737	105.049	104.130
Fe 271.441	5284.07	5248.75	5236.88
K 766.491	5242.92	5212.99	5200.17
Mg 279.078	5433.80	5413.84	5407.85
Mn 257.610	535.140	532.052	532.031
Mo 202.032	101.574	102.135	102.481
Na 330.237	5079.92	4990.23	5206.57
Ni 231.604	106.072	105.266	103.794
Pb 220.353	52.8110	47.5910	47.7468
Sb 206.834	47.2069	57.2656	54.4782
Se 196.026	98.5890	112.188	110.527
Sn 189.925	207.522	200.786	204.364
Sr 216.596	105.366	105.184	105.517
Ti 334.941	102.259	101.736	102.147
Tl 190.794	41.9335	41.1983	44.3400
V 292.401	106.186	104.657	104.736
Zn 206.200	109.115	107.868	110.581

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.0654	ppb	0.5497	6.1	501.031
Al 308.215	5230.67	ppb	18.5494	0.4	23994.4
As 188.980	107.496	ppb	4.0185	3.7	70.9344
B 249.678	210.131	ppb	2.2455	1.1	2212.17
Ba 389.178	98.6539	ppb	1.0009	1.0	2007.00
Be 313.042	54.8183	ppb	0.1888	0.3	103045
Ca 370.602	4973	ppb	22.68	0.5	13790
Cd 226.502	53.7245	ppb	0.1670	0.3	1829.69
Co 228.615	53.0578	ppb	0.8675	1.6	574.531
Cr 267.716	106.648	ppb	0.1759	0.2	4180.67
Cu 324.754	105.305	ppb	1.3223	1.3	4716.29
Fe 271.441	5256.57	ppb	24.5471	0.5	8344.09
K 766.491	5218.69	ppb	21.9377	0.4	220641
Mg 279.078	5418.50	ppb	13.5871	0.3	10845.4
Mn 257.610	533.075	ppb	1.7891	0.3	114083
Mo 202.032	102.063	ppb	0.4578	0.4	603.612
Na 330.237	5092.24	ppb	108.695	2.1	245.197
Ni 231.604	105.044	ppb	1.1552	1.1	256.654
Pb 220.353	49.3829	ppb	2.9698	6.0	76.4154
Sb 206.834	52.9835	ppb	5.1932	9.8	40.5368
Se 196.026	107.101	ppb	7.4187	6.9	49.2453
Sn 189.925	204.224	ppb	3.3704	1.7	138.793
Sr 216.596	105.356	ppb	0.1668	0.2	911.139
Ti 334.941	102.047	ppb	0.2756	0.3	22704.6
Tl 190.794	42.4906	ppb	1.6433	3.9	33.4963
V 292.401	105.193	ppb	0.8606	0.8	2628.48
Zn 206.200	109.188	ppb	1.3583	1.2	165.904

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-271027/3-a (Samp) 3/30/2013, 3:07:04 PM Rack 1, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	212.003	213.154	209.927
Al 308.215	2086.05	2070.48	2063.69
As 188.980	228.911	235.241	220.326
B 249.678	436.884	437.865	439.439
Ba 389.178	191.575	191.894	188.820
Be 313.042	218.503	217.403	216.383
Ca 370.602	20071	19919	19816
Cd 226.502	209.134	208.580	207.743
Co 228.615	205.139	203.848	205.637
Cr 267.716	210.254	207.838	208.471
Cu 324.754	212.484	211.918	207.668
Fe 271.441	21831.1	21600.8	21531.9
K 766.491	20935.0	20756.0	20615.7
Mg 279.078	21703.3	21597.0	21513.1
Mn 257.610	2122.44	2113.12	2105.48
Mo 202.032	202.987	202.005	202.487
Na 330.237	19000.3	18573.6	18719.3
Ni 231.604	207.707	206.478	206.844
Pb 220.353	201.758	201.463	201.432
Sb 206.834	191.846	202.241	204.227
Se 196.026	229.161	219.603	228.000
Sn 189.925	201.031	202.499	206.913
Sr 216.596	220.671	219.925	220.614
Ti 334.941	204.980	202.781	202.355
Tl 190.794	39.8984	41.9953	38.9119
V 292.401	209.038	207.963	207.755
Zn 206.200	200.566	202.356	199.391

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	211.695	ppb	1.6355	0.8	13429.0
Al 308.215	2073.41	ppb	11.4615	0.6	9600.98
As 188.980	228.159	ppb	7.4857	3.3	148.873
B 249.678	438.063	ppb	1.2890	0.3	4335.59
Ba 389.178	190.763	ppb	1.6904	0.9	3936.77
Be 313.042	217.430	ppb	1.0604	0.5	409189
Ca 370.602	19935	ppb	128.3	0.6	55256
Cd 226.502	208.486	ppb	0.7001	0.3	7061.10
Co 228.615	204.875	ppb	0.9236	0.5	2179.24
Cr 267.716	208.854	ppb	1.2525	0.6	8188.15
Cu 324.754	210.690	ppb	2.6324	1.2	9353.27
Fe 271.441	21654.6	ppb	156.677	0.7	34339.8
K 766.491	20768.9	ppb	160.016	0.8	877417
Mg 279.078	21604.5	ppb	95.2899	0.4	43156.7
Mn 257.610	2113.68	ppb	8.4946	0.4	452150
Mo 202.032	202.493	ppb	0.4909	0.2	1182.41
Na 330.237	18764.4	ppb	216.900	1.2	896.417
Ni 231.604	207.009	ppb	0.6310	0.3	503.707
Pb 220.353	201.551	ppb	0.1798	0.1	298.507
Sb 206.834	199.438	ppb	6.6498	3.3	150.695
Se 196.026	225.588	ppb	5.2155	2.3	104.818
Sn 189.925	203.481	ppb	3.0613	1.5	138.293
Sr 216.596	220.403	ppb	0.4150	0.2	1898.90
Ti 334.941	203.372	ppb	1.4087	0.7	45319.8
Tl 190.794	40.2685	ppb	1.5747	3.9	28.7858
V 292.401	208.252	ppb	0.6883	0.3	5195.99
Zn 206.200	200.771	ppb	1.4922	0.7	202.342

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 3:12:29 PM Rack 2, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7484u	-0.7477u	0.1095
Al 308.215	-8.2519u	-5.9646u	-6.1612u
As 188.980	-6.8196u	-5.3481u	-4.6167u
B 249.678	-14.4319u	-14.9649u	-16.6085u
Ba 389.178	-1.0749u	-2.3769u	-1.2663u
Be 313.042	0.0304	0.0296	0.0265
Ca 370.602	-6.469u	-9.134u	-8.320u
Cd 226.502	-0.3247u	0.0765	-0.4104u
Co 228.615	0.1568	-0.2208u	0.2303
Cr 267.716	0.0211	-0.4681u	0.0403
Cu 324.754	-1.9625u	-2.3688u	-2.5957u
Fe 271.441	5.3727	-8.2293u	1.6780
K 766.491	-0.2542u	-1.2109u	-0.9353u
Mg 279.078	-4.3401u	-8.9982u	-4.1702u
Mn 257.610	-0.1198u	-0.1672u	-0.2085u
Mo 202.032	-1.3597u	-0.4681u	-1.0966u
Na 330.237	82.3965	285.808	188.299
Ni 231.604	-0.9083u	-0.4976u	-0.9624u
Pb 220.353	-4.6421u	3.4672	-1.1334u
Sb 206.834	-0.2030u	-1.8365u	-2.5433u
Se 196.026	8.0307	-6.6508u	8.9826
Sn 189.925	4.3061	2.1218	-0.6888u
Sr 216.596	-0.3137u	-0.2799u	-0.1158u
Ti 334.941	-0.2251u	-0.3280u	-0.4165u
Tl 190.794	2.2533	1.5206	0.3677
V 292.401	-0.3915u	-0.3385u	-0.1689u
Zn 206.200	-0.1070u	-2.0217u	-1.1724u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4622	ppb	0.4951	107.1	-105.310	-0.09244Q
Al 308.215	-6.7926	ppb	1.2677	18.7	93.3909	-0.13585Q
As 188.980	-5.5948	ppb	1.1220	20.1	-2.1387	-1.11896Q
B 249.678	-15.3351	ppb	1.1345	7.4	101.448	-0.61340Q
Ba 389.178	-1.5727	ppb	0.7030	44.7	-49.0036	-0.03145Q
Be 313.042	0.0288	ppb	0.0021	7.2	-92.7484	0.00577Q
Ca 370.602	-7.974	ppb	1.366	17.1	-42.89	-0.15949Q
Cd 226.502	-0.2196	ppb	0.2599	118.4	7.2559	-0.04391Q
Co 228.615	0.0554	ppb	0.2421	436.8	14.7106	0.01108Q
Cr 267.716	-0.1356	ppb	0.2882	212.6	-0.8415	-0.00271Q
Cu 324.754	-2.3090	ppb	0.3208	13.9	-15.7930	-0.04618Q
Fe 271.441	-0.3928	ppb	7.0335	1790.4	8.9478	-0.00786Q
K 766.491	-0.8001	ppb	0.4925	61.6	191.331	-0.00800Q
Mg 279.078	-5.8362	ppb	2.7397	46.9	18.9987	-0.11672Q
Mn 257.610	-0.1652	ppb	0.0444	26.9	32.2531	-0.00330Q
Mo 202.032	-0.9748	ppb	0.4581	47.0	9.3217	-0.19496Q
Na 330.237	185.501	ppb	101.735	54.8	12.3174	2.47335Q
Ni 231.604	-0.7895	ppb	0.2542	32.2	0.4525	-0.03158Q
Pb 220.353	-0.7694	ppb	4.0669	528.6	3.4300	-0.15389Q
Sb 206.834	-1.5276	ppb	1.2003	78.6	-0.2763	-0.15276Q
Se 196.026	3.4542	ppb	8.7641	253.7	0.8808	0.06908Q
Sn 189.925	1.9131	ppb	2.5040	130.9	0.0881	0.03826Q
Sr 216.596	-0.2365	ppb	0.1059	44.8	8.9537	-0.00946Q
Ti 334.941	-0.3232	ppb	0.0958	29.6	-104.496	-0.06464Q
Tl 190.794	1.3805	ppb	0.9506	68.9	-2.1449	0.02761Q
V 292.401	-0.2996	ppb	0.1163	38.8	0.7032	-0.00599Q
Zn 206.200	-1.1003	ppb	0.9594	87.3	0.3455	-0.04401Q

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 3:18:04 PM Rack 2, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1117u	0.1648	-0.5835u
Al 308.215	4.8903	0.6647	1.6137
As 188.980	-6.4820u	-5.0255u	-5.1481u
B 249.678	-15.5064u	-14.9305u	-14.4134u
Ba 389.178	0.0531	-0.3575u	-0.4873u
Be 313.042	-0.0697u	-0.0666u	-0.0735u
Ca 370.602	-2.927u	-3.747u	-0.7477u
Cd 226.502	0.1095	0.0574	-0.2149u
Co 228.615	-0.6424u	0.1989	0.3488
Cr 267.716	-0.2413u	-0.3364u	-0.1522u
Cu 324.754	-0.6300u	-0.1171u	-1.2160u
Fe 271.441	-0.9368u	8.8519	-11.7043u
K 766.491	-1.6580u	-1.7348u	-0.7255u
Mg 279.078	3.7358	1.3469	0.3291
Mn 257.610	-0.0630u	-0.1032u	-0.1025u
Mo 202.032	0.3208	-1.8736u	-0.2986u
Na 330.237	-297.291u	-173.984u	22.3183
Ni 231.604	-0.2071u	-0.1832u	0.7361
Pb 220.353	-4.5745u	-7.1593u	-1.9049u
Sb 206.834	2.8669	3.3982	-4.3376u
Se 196.026	-11.4394u	4.6856	-2.7324u
Sn 189.925	-0.0282u	4.7580	-0.5179u
Sr 216.596	-0.3109u	-0.2152u	0.2191
Ti 334.941	-0.2953u	-0.3381u	-0.3166u
Tl 190.794	6.5529	6.9158	-0.3731u
V 292.401	-0.1442u	-0.6100u	-0.5830u
Zn 206.200	0.8381	0.0517	0.5313

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.1768	ppb	0.3784	214.1	-87.1019	-0.17678
Al 308.215	2.3896	ppb	2.2171	92.8	135.305	2.38959
As 188.980	-5.5519	ppb	0.8078	14.6	-2.1109	-5.55190
B 249.678	-14.9501	ppb	0.5467	3.7	105.064	-14.95010
Ba 389.178	-0.2639	ppb	0.2821	106.9	-22.3996	-0.26391
Be 313.042	-0.0699	ppb	0.0035	5.0	-278.712	-0.06994
Ca 370.602	-2.474	ppb	1.550	62.7	-26.95	-2.47382
Cd 226.502	-0.0160	ppb	0.1742	1090.0	14.0836	-0.01598
Co 228.615	-0.0316	ppb	0.5343	1692.4	13.7843	-0.03157
Cr 267.716	-0.2433	ppb	0.0921	37.8	-5.0639	-0.24330
Cu 324.754	-0.6544	ppb	0.5499	84.0	56.9279	-0.65435
Fe 271.441	-1.2631	ppb	10.2820	814.0	7.6220	-1.26308
K 766.491	-1.3728	ppb	0.5619	40.9	167.144	-1.37279
Mg 279.078	1.8040	ppb	1.7487	96.9	34.2510	1.80396
Mn 257.610	-0.0896	ppb	0.0230	25.7	48.4513	-0.08956
Mo 202.032	-0.6172	ppb	1.1313	183.3	11.3863	-0.61715
Na 330.237	-149.652	ppb	161.188	107.7	-3.8022	-149.65236
Ni 231.604	0.1153	ppb	0.5378	466.6	2.6417	0.11526
Pb 220.353	-4.5462	ppb	2.6273	57.8	-2.0795	-4.54621
Sb 206.834	0.6425	ppb	4.3211	672.5	1.3352	0.64249
Se 196.026	-3.1621	ppb	8.0711	255.2	-2.1967	-3.16206
Sn 189.925	1.4040	ppb	2.9150	207.6	-0.2610	1.40396
Sr 216.596	-0.1023	ppb	0.2824	276.0	10.0774	-0.10234
Ti 334.941	-0.3167	ppb	0.0214	6.7	-102.987	-0.31666
Tl 190.794	4.3652	ppb	4.1075	94.1	0.5084	4.36519
V 292.401	-0.4457	ppb	0.2615	58.7	-3.0065	-0.44575
Zn 206.200	0.4737	ppb	0.3964	83.7	2.7131	0.47370

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-1-a (Samp) 3/30/2013, 3:23:30 PM Rack 2, Tube 3

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9392u	0.4515	-0.7484u
Al 308.215	32.5140	32.6839	29.3094
As 188.980	6.1003	-1.5976u	3.2390
B 249.678	0.4375u	1.2394u	1.0078u
Ba 389.178	106.278	105.360	109.098
Be 313.042	-0.0479u	-0.0556u	-0.0568u
Ca 370.602	42755	42686	42587
Cd 226.502	-0.5074	-0.7385	-0.1330
Co 228.615	18.1657	17.8770	17.3249
Cr 267.716	0.1926	0.6270	0.1805
Cu 324.754	-0.5101u	0.3896	0.3134
Fe 271.441	29677.7	29641.4	29682.9
K 766.491	745.192	744.306	743.561
Mg 279.078	25904.1	25797.9	25781.5
Mn 257.610	12835.3	12801.2	12796.6
Mo 202.032	-0.9676u	0.4488	-0.1614u
Na 330.237	5352.65	5586.20	5404.52
Ni 231.604	0.2511	3.3479	2.6864
Pb 220.353	-3.4625u	-3.3644u	1.5649
Sb 206.834	3.9615	-3.9594u	-9.0623u
Se 196.026	8.6161	13.8453	1.1031
Sn 189.925	2.8648	-3.7983u	-1.4657u
Sr 216.596	264.157	265.617	267.047
Ti 334.941	0.2066	0.2644	0.3255
Tl 190.794	37.5646	32.7291	29.5559
V 292.401	-0.9695u	-0.8084u	-1.5963u
Zn 206.200	9.2964	8.9236	9.5239

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4120	ppb	0.7539	183.0	-62.5639
Al 308.215	31.5024	ppb	1.9011	6.0	268.167
As 188.980	2.5806	ppb	3.8910	150.8	3.2094
B 249.678	0.8949	ppb	0.4127	46.1	225.998
Ba 389.178	106.912	ppb	1.9481	1.8	2251.45
Be 313.042	-0.0534	ppb	0.0048	9.1	-238.704
Ca 370.602	42676	ppb	84.65	0.2	119664
Cd 226.502	-0.4596	ppb	0.3055	66.5	64.3238
Co 228.615	17.7892	ppb	0.4272	2.4	201.336
Cr 267.716	0.3334	ppb	0.2544	76.3	68.5527
Cu 324.754	0.0643	ppb	0.4989	775.8	96.2465
Fe 271.441	29667.3	ppb	22.5932	0.1	47001.7
K 766.491	744.353	ppb	0.8165	0.1	31663.5
Mg 279.078	25827.8	ppb	66.5287	0.3	51432.0
Mn 257.610	12811.0	ppb	21.1658	0.2	2739320
Mo 202.032	-0.2267	ppb	0.7104	313.3	12.4578
Na 330.237	5447.79	ppb	122.641	2.3	256.880
Ni 231.604	2.0951	ppb	1.6309	77.8	7.9994
Pb 220.353	-1.7540	ppb	2.8746	163.9	4.4218
Sb 206.834	-3.0201	ppb	6.5625	217.3	-0.8924
Se 196.026	7.8548	ppb	6.4051	81.5	6.0782
Sn 189.925	-0.7997	ppb	3.3811	422.8	-1.7559
Sr 216.596	265.607	ppb	1.4451	0.5	2299.14
Ti 334.941	0.2655	ppb	0.0595	22.4	122.055
Tl 190.794	33.2832	ppb	4.0330	12.1	8.1321
V 292.401	-1.1247	ppb	0.4163	37.0	-19.9380
Zn 206.200	9.2479	ppb	0.3921	3.3	15.9069

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-2-a (Samp) 3/30/2013, 3:28:54 PM Rack 2, Tube 4

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3059	0.3018	0.7907
Al 308.215	14.2939	16.1543	16.0434
As 188.980	10.6083	15.5504	22.8892
B 249.678	121.127	120.468	122.276
Ba 389.178	216.364	217.098	216.040
Be 313.042	-0.0742u	-0.0820u	-0.0717u
Ca 370.602	46206	46224	46171
Cd 226.502	-0.5331	-1.1000	-0.7892
Co 228.615	4.1677	4.1165	3.3959
Cr 267.716	0.1707	0.3560	0.0666
Cu 324.754	-0.2789u	-0.0931	0.5313
Fe 271.441	40635.3	40788.3	40834.5
K 766.491	2202.72	2211.58	2213.36
Mg 279.078	17662.6	17667.0	17643.2
Mn 257.610	9327.31	9347.72	9357.63
Mo 202.032	0.3346	3.8286	2.9413
Na 330.237	9982.45	10532.2	10195.5
Ni 231.604	-1.5549u	0.0939	-2.8959u
Pb 220.353	0.6822	-0.6580	-2.3719u
Sb 206.834	4.3367	8.8448	2.0562
Se 196.026	7.5668	7.5050	-7.6510u
Sn 189.925	3.0673	0.8612	-0.7599u
Sr 216.596	351.623	352.466	352.927
Ti 334.941	-0.3360u	-0.2945	-0.1922
Tl 190.794	24.6648	21.0378	17.1685
V 292.401	-0.8992u	-0.8843u	-1.6567u
Zn 206.200	1.7326	3.5678	3.4779

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2622	ppb	0.5494	209.5	-36.2941
Al 308.215	15.4972	ppb	1.0435	6.7	195.393
As 188.980	16.3493	ppb	6.1793	37.8	12.0235
B 249.678	121.291	ppb	0.9150	0.8	1345.38
Ba 389.178	216.501	ppb	0.5418	0.3	4472.86
Be 313.042	-0.0760	ppb	0.0053	7.0	-279.904
Ca 370.602	46200	ppb	26.94	0.1	128807
Cd 226.502	-0.8075	ppb	0.2839	35.2	76.6861
Co 228.615	3.8934	ppb	0.4316	11.1	53.9451
Cr 267.716	0.1978	ppb	0.1465	74.1	53.2015
Cu 324.754	0.0531	ppb	0.4244	799.4	98.6826
Fe 271.441	40752.7	ppb	104.228	0.3	64557.5
K 766.491	2209.22	ppb	5.7007	0.3	93533.4
Mg 279.078	17657.6	ppb	12.6728	0.1	35166.6
Mn 257.610	9344.22	ppb	15.4630	0.2	1998087
Mo 202.032	2.3682	ppb	1.8162	76.7	26.9931
Na 330.237	10236.7	ppb	277.202	2.7	484.024
Ni 231.604	-1.4523	ppb	1.4975	103.1	-0.3737
Pb 220.353	-0.7826	ppb	1.5308	195.6	5.1819
Sb 206.834	5.0792	ppb	3.4547	68.0	5.3095
Se 196.026	2.4736	ppb	8.7682	354.5	2.8279
Sn 189.925	1.0562	ppb	1.9210	181.9	-0.4811
Sr 216.596	352.339	ppb	0.6614	0.2	3045.92
Ti 334.941	-0.2742	ppb	0.0740	27.0	-26.8701
Tl 190.794	20.9571	ppb	3.7488	17.9	1.1912
V 292.401	-1.1467	ppb	0.4417	38.5	-21.0235
Zn 206.200	2.9261	ppb	1.0345	35.4	6.3993

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-3-a (Samp) 3/30/2013, 3:34:19 PM Rack 2, Tube 5

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3206u	-0.5236u	-0.3528u
Al 308.215	118.721	120.557	122.979
As 188.980	-10.6097u	2.4325	-8.4615u
B 249.678	3.9431	4.3754	4.4212
Ba 389.178	54.1200	54.6832	54.0862
Be 313.042	-0.0527u	-0.0669u	-0.0603u
Ca 370.602	29202	29187	29212
Cd 226.502	-0.2325u	-0.5238u	0.2314
Co 228.615	-1.3008u	-0.8439u	-0.4795u
Cr 267.716	3.8346	3.6308	3.9047
Cu 324.754	5.6329	6.2392	5.3841
Fe 271.441	412.447	414.725	415.361
K 766.491	5498.76	5507.25	5510.95
Mg 279.078	2802.08	2801.05	2795.85
Mn 257.610	83.1042	83.2307	83.1765
Mo 202.032	-0.5864u	-0.0508u	0.3020
Na 330.237	6441.15	6313.89	6856.60
Ni 231.604	0.1572	-1.3580u	-0.3033u
Pb 220.353	-0.9987u	-5.8031u	2.4618
Sb 206.834	-1.1055u	1.2273	8.7115
Se 196.026	2.3864	1.6100	11.5373
Sn 189.925	0.4834	-0.1565u	-5.5217u
Sr 216.596	170.798	170.278	170.558
Ti 334.941	3.6888	3.7153	3.5385
Tl 190.794	1.2537	-0.3900u	1.4889
V 292.401	-0.2116u	-0.5353u	-0.3543u
Zn 206.200	273.813	277.662	276.314

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3990	ppb	0.1091	27.3	-107.439
Al 308.215	120.752	ppb	2.1359	1.8	675.290
As 188.980	-5.5463	ppb	6.9928	126.1	-1.8548
B 249.678	4.2466	ppb	0.2638	6.2	284.811
Ba 389.178	54.2965	ppb	0.3354	0.6	1093.08
Be 313.042	-0.0600	ppb	0.0071	11.9	-251.121
Ca 370.602	29201	ppb	12.80	0.0	83101
Cd 226.502	-0.1750	ppb	0.3809	217.7	9.6580
Co 228.615	-0.8748	ppb	0.4115	47.0	4.9440
Cr 267.716	3.7900	ppb	0.1423	3.8	153.280
Cu 324.754	5.7521	ppb	0.4398	7.6	338.582
Fe 271.441	414.178	ppb	1.5321	0.4	665.561
K 766.491	5505.65	ppb	6.2474	0.1	232761
Mg 279.078	2799.66	ppb	3.3413	0.1	5621.76
Mn 257.610	83.1705	ppb	0.0635	0.1	17866.2
Mo 202.032	-0.1117	ppb	0.4474	400.4	14.2865
Na 330.237	6537.21	ppb	283.824	4.3	315.546
Ni 231.604	-0.5013	ppb	0.7768	154.9	1.1579
Pb 220.353	-1.4467	ppb	4.1506	286.9	2.4531
Sb 206.834	2.9444	ppb	5.1288	174.2	3.0827
Se 196.026	5.1779	ppb	5.5210	106.6	1.7043
Sn 189.925	-1.7316	ppb	3.2979	190.5	-2.3987
Sr 216.596	170.545	ppb	0.2599	0.2	1474.27
Ti 334.941	3.6476	ppb	0.0954	2.6	789.238
Tl 190.794	0.7842	ppb	1.0237	130.5	-2.8033
V 292.401	-0.3671	ppb	0.1622	44.2	-1.3091
Zn 206.200	275.930	ppb	1.9523	0.7	416.979

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-4-a (Samp) 3/30/2013, 3:39:44 PM Rack 2, Tube 6

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4231	0.3048	-0.1491u
Al 308.215	13.9775	11.3878	10.0735
As 188.980	13.7555	14.4767	16.0743
B 249.678	93.1185	94.4547	94.3056
Ba 389.178	224.211	224.549	225.286
Be 313.042	-0.0897u	-0.0677u	-0.0826u
Ca 370.602	103402	103490	103473
Cd 226.502	-0.6947	-0.8110	-0.6827
Co 228.615	1.1629	-1.7055u	0.6352
Cr 267.716	-0.1182	-0.0479	0.1147
Cu 324.754	-0.6513u	-0.4518u	-0.8742u
Fe 271.441	27511.5	27478.3	27469.3
K 766.491	1740.78	1744.49	1747.79
Mg 279.078	27481.2	27502.0	27466.3
Mn 257.610	1220.18	1221.12	1220.88
Mo 202.032	-0.2023u	-0.2872u	0.4512
Na 330.237	15204.3	15186.9	14813.3
Ni 231.604	2.5289	1.4632	2.9119
Pb 220.353	-4.3674u	0.1755	1.8385
Sb 206.834	-0.0226	-10.7310u	-5.8309u
Se 196.026	9.6365	1.2014	3.4194
Sn 189.925	-2.5941u	-0.4964u	-6.1417u
Sr 216.596	459.477	463.258	462.345
Ti 334.941	-0.1689	-0.1848	-0.2872
Tl 190.794	-3.4131u	-0.9455u	-2.1193u
V 292.401	-1.9858u	-1.3819u	-1.8028u
Zn 206.200	5.0152	3.8490	5.2105

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1929	ppb	0.3020	156.6	-76.6279
Al 308.215	11.8129	ppb	1.9864	16.8	178.349
As 188.980	14.7688	ppb	1.1867	8.0	11.6475
B 249.678	93.9596	ppb	0.7322	0.8	1101.31
Ba 389.178	224.682	ppb	0.5499	0.2	4645.39
Be 313.042	-0.0800	ppb	0.0112	14.1	-265.688
Ca 370.602	103455	ppb	46.74	0.0	292601
Cd 226.502	-0.7295	ppb	0.0709	9.7	50.4330
Co 228.615	0.0309	ppb	1.5268	4943.7	13.5840
Cr 267.716	-0.0171	ppb	0.1194	696.5	13.6276
Cu 324.754	-0.6591	ppb	0.2113	32.1	63.8868
Fe 271.441	27486.3	ppb	22.2442	0.1	43544.5
K 766.491	1744.35	ppb	3.5058	0.2	73899.2
Mg 279.078	27483.2	ppb	17.9072	0.1	54914.6
Mn 257.610	1220.73	ppb	0.4876	0.0	261282
Mo 202.032	-0.0128	ppb	0.4041	3163.6	13.7809
Na 330.237	15068.2	ppb	220.898	1.5	719.955
Ni 231.604	2.3013	ppb	0.7507	32.6	8.4564
Pb 220.353	-0.7845	ppb	3.2124	409.5	3.6390
Sb 206.834	-5.5282	ppb	5.3606	97.0	-2.8008
Se 196.026	4.7525	ppb	4.3727	92.0	1.9209
Sn 189.925	-3.0774	ppb	2.8535	92.7	-3.2936
Sr 216.596	461.693	ppb	1.9731	0.4	3982.97
Ti 334.941	-0.2136	ppb	0.0642	30.0	20.7728
Tl 190.794	-2.1593	ppb	1.2343	57.2	-8.1426
V 292.401	-1.7235	ppb	0.3097	18.0	-35.0086
Zn 206.200	4.6916	ppb	0.7362	15.7	9.0552

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-4-aSD^5 (Samp) 3/30/2013, 3:45:09 PM

Rack 2, Tube 7

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3696	0.1698	-1.0607u
Al 308.215	2.0409	5.6067	1.8823
As 188.980	-2.5206u	-8.5795u	-2.5136u
B 249.678	6.0264	6.8185	6.1541
Ba 389.178	47.0958	47.4838	46.5070
Be 313.042	-0.0669u	-0.0735u	-0.0666u
Ca 370.602	22462	22217	21845
Cd 226.502	-0.0763	-0.2964	-0.1001
Co 228.615	-0.3860u	-0.8853u	-0.9569u
Cr 267.716	-0.3113u	-0.4481u	-0.1032u
Cu 324.754	-0.2841u	-0.7100u	-0.6728u
Fe 271.441	6032.88	5950.66	5827.81
K 766.491	358.241	355.994	353.303
Mg 279.078	5985.86	5907.55	5803.86
Mn 257.610	268.764	265.200	260.375
Mo 202.032	-1.4839u	-0.1352u	0.1477
Na 330.237	3461.17	3014.05	3170.94
Ni 231.604	-0.0331	0.3246	0.1089
Pb 220.353	-1.6586u	-4.3850u	-1.7240u
Sb 206.834	-1.6518u	-5.0860u	-6.2555u
Se 196.026	2.6750	7.3651	8.4592
Sn 189.925	3.2123	-2.2645u	1.3089
Sr 216.596	100.791	100.668	98.2426
Ti 334.941	-0.3772u	-0.2699u	-0.2335u
Tl 190.794	3.1133	1.2946	2.1680
V 292.401	-0.4291u	-0.1045u	-0.3199u
Zn 206.200	3.6486	2.4772	1.4384

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1738	ppb	0.7746	445.8	-89.6848
Al 308.215	3.1766	ppb	2.1060	66.3	138.940
As 188.980	-4.5379	ppb	3.5001	77.1	-1.3233
B 249.678	6.3330	ppb	0.4253	6.7	299.212
Ba 389.178	47.0289	ppb	0.4918	1.0	959.466
Be 313.042	-0.0690	ppb	0.0039	5.7	-270.226
Ca 370.602	22175	ppb	310.6	1.4	62697
Cd 226.502	-0.1576	ppb	0.1208	76.7	22.3770
Co 228.615	-0.7427	ppb	0.3110	41.9	6.0654
Cr 267.716	-0.2875	ppb	0.1736	60.4	-4.6659
Cu 324.754	-0.5556	ppb	0.2359	42.5	62.8218
Fe 271.441	5937.12	ppb	103.200	1.7	9413.16
K 766.491	355.846	ppb	2.4723	0.7	15254.6
Mg 279.078	5899.09	ppb	91.2962	1.5	11811.1
Mn 257.610	264.780	ppb	4.2103	1.6	56725.6
Mo 202.032	-0.4905	ppb	0.8719	177.8	11.8801
Na 330.237	3215.39	ppb	226.848	7.1	156.265
Ni 231.604	0.1335	ppb	0.1801	134.9	2.7993
Pb 220.353	-2.5892	ppb	1.5556	60.1	0.8250
Sb 206.834	-4.3311	ppb	2.3929	55.2	-2.2762
Se 196.026	6.1664	ppb	3.0727	49.8	2.2370
Sn 189.925	0.7522	ppb	2.7805	369.6	-0.6993
Sr 216.596	99.9005	ppb	1.4371	1.4	870.379
Ti 334.941	-0.2935	ppb	0.0747	25.4	-76.1760
Tl 190.794	2.1920	ppb	0.9096	41.5	-2.0417
V 292.401	-0.2845	ppb	0.1652	58.1	1.0043
Zn 206.200	2.5214	ppb	1.1058	43.8	5.7925

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-4-aPDS (Samp) **3/30/2013, 3:50:34 PM** **Rack 2, Tube 8****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	51.0777	52.5612	52.3604
Al 308.215	2157.78	2154.80	2146.99
As 188.980	2410.57	2407.04	2406.09
B 249.678	1290.10	1297.11	1308.82
Ba 389.178	2254.95	2254.44	2253.98
Be 313.042	55.5974	55.5210	55.5370
Ca 370.602	107673	107502	107595
Cd 226.502	53.3861	53.1057	53.2928
Co 228.615	541.230	536.871	537.463
Cr 267.716	217.906	217.697	217.628
Cu 324.754	273.472	276.213	273.143
Fe 271.441	28177.0	28215.6	28187.3
K 766.491	7641.65	7641.26	7675.87
Mg 279.078	32981.3	32949.8	32901.6
Mn 257.610	1759.14	1759.00	1759.20
Mo 202.032	535.942	532.487	532.951
Na 330.237	20669.0	20322.1	20389.0
Ni 231.604	539.389	534.822	538.628
Pb 220.353	527.782	521.863	523.428
Sb 206.834	534.898	524.308	526.460
Se 196.026	2301.33	2315.24	2296.26
Sn 189.925	1080.60	1072.35	1081.31
Sr 216.596	999.214	997.267	996.732
Ti 334.941	1052.85	1053.32	1053.59
Tl 190.794	2103.16	2108.06	2099.11
V 292.401	529.948	528.032	530.622
Zn 206.200	549.253	547.466	542.433

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9998	ppb	0.8048	1.5	3212.93
Al 308.215	2153.19	ppb	5.5754	0.3	9995.23
As 188.980	2407.90	ppb	2.3612	0.1	1558.69
B 249.678	1298.67	ppb	9.4571	0.7	12404.8
Ba 389.178	2254.46	ppb	0.4865	0.0	45901.2
Be 313.042	55.5518	ppb	0.0403	0.1	104374
Ca 370.602	107590	ppb	85.27	0.1	304507
Cd 226.502	53.2615	ppb	0.1428	0.3	1864.65
Co 228.615	538.521	ppb	2.3647	0.4	5716.72
Cr 267.716	217.744	ppb	0.1450	0.1	8536.12
Cu 324.754	274.276	ppb	1.6857	0.6	12154.5
Fe 271.441	28193.3	ppb	19.9846	0.1	44748.1
K 766.491	7652.93	ppb	19.8725	0.3	323453
Mg 279.078	32944.3	ppb	40.1303	0.1	65814.5
Mn 257.610	1759.12	ppb	0.1013	0.0	376423
Mo 202.032	533.793	ppb	1.8751	0.4	3093.68
Na 330.237	20460.0	ppb	184.034	0.9	967.646
Ni 231.604	537.613	ppb	2.4469	0.5	1303.84
Pb 220.353	524.358	ppb	3.0671	0.6	768.399
Sb 206.834	528.555	ppb	5.5974	1.1	392.050
Se 196.026	2304.28	ppb	9.8269	0.4	1071.67
Sn 189.925	1078.09	ppb	4.9853	0.5	737.941
Sr 216.596	997.738	ppb	1.3059	0.1	8552.54
Ti 334.941	1053.25	ppb	0.3760	0.0	234557
Tl 190.794	2103.44	ppb	4.4789	0.2	1863.21
V 292.401	529.534	ppb	1.3436	0.3	13221.2
Zn 206.200	546.384	ppb	3.5363	0.6	823.112

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-4-b ms (Samp) **3/30/2013, 3:55:59 PM** **Rack 2, Tube 9****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	8.5208	10.3362	9.1846
Al 308.215	5401.11	5401.28	5418.30
As 188.980	133.897	131.750	132.176
B 249.678	361.407	361.696	364.381
Ba 389.178	331.009	330.038	332.173
Be 313.042	55.5844	55.7265	55.7405
Ca 370.602	111443	111546	111508
Cd 226.502	53.2066	53.3814	53.1225
Co 228.615	54.2092	53.1050	52.8058
Cr 267.716	108.176	108.767	108.865
Cu 324.754	107.061	105.538	106.507
Fe 271.441	33453.2	33494.3	33543.2
K 766.491	7566.46	7563.97	7567.43
Mg 279.078	33937.1	33924.2	33987.5
Mn 257.610	1798.15	1798.18	1800.12
Mo 202.032	104.329	103.890	104.513
Na 330.237	20927.3	21042.1	21058.7
Ni 231.604	107.403	107.852	107.531
Pb 220.353	48.0191	54.3135	51.5252
Sb 206.834	52.4316	60.5665	55.4572
Se 196.026	117.765	122.013	125.349
Sn 189.925	203.533	207.694	211.329
Sr 216.596	582.946	582.494	579.954
Ti 334.941	103.383	103.626	103.606
Tl 190.794	48.7591	47.2486	41.7219
V 292.401	105.103	105.870	104.723
Zn 206.200	110.510	112.256	112.501

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3472	ppb	0.9186	9.8	505.581
Al 308.215	5406.90	ppb	9.8786	0.2	24798.4
As 188.980	132.608	ppb	1.1368	0.9	87.8080
B 249.678	362.495	ppb	1.6397	0.5	3615.45
Ba 389.178	331.073	ppb	1.0691	0.3	6830.09
Be 313.042	55.6838	ppb	0.0863	0.2	104707
Ca 370.602	111499	ppb	52.36	0.0	315100
Cd 226.502	53.2368	ppb	0.1321	0.2	1875.29
Co 228.615	53.3733	ppb	0.7392	1.4	576.956
Cr 267.716	108.602	ppb	0.3726	0.3	4267.31
Cu 324.754	106.368	ppb	0.7711	0.7	4770.41
Fe 271.441	33496.9	ppb	45.0612	0.1	53073.3
K 766.491	7565.96	ppb	1.7824	0.0	319779
Mg 279.078	33949.6	ppb	33.4561	0.1	67822.1
Mn 257.610	1798.82	ppb	1.1310	0.1	384930
Mo 202.032	104.244	ppb	0.3203	0.3	615.072
Na 330.237	21009.4	ppb	71.5509	0.3	1002.36
Ni 231.604	107.596	ppb	0.2314	0.2	263.369
Pb 220.353	51.2859	ppb	3.1540	6.1	79.4270
Sb 206.834	56.1518	ppb	4.1117	7.3	43.3753
Se 196.026	121.709	ppb	3.8012	3.1	56.4913
Sn 189.925	207.519	ppb	3.9009	1.9	141.093
Sr 216.596	581.798	ppb	1.6131	0.3	5009.93
Ti 334.941	103.538	ppb	0.1350	0.1	23141.3
Tl 190.794	45.9099	ppb	3.7047	8.1	33.5909
V 292.401	105.232	ppb	0.5847	0.6	2629.27
Zn 206.200	111.756	ppb	1.0860	1.0	169.761

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-4-c msd (Samp) **3/30/2013, 4:01:35 PM** **Rack 2, Tube 10****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	19.5001	19.8339	20.1310
Al 308.215	5400.17	5418.13	5406.27
As 188.980	129.959	138.651	129.804
B 249.678	347.335	349.721	351.661
Ba 389.178	329.000	328.217	330.074
Be 313.042	55.6828	55.7819	55.8013
Ca 370.602	110699	110800	110818
Cd 226.502	53.7113	53.4804	53.0660
Co 228.615	53.9700	53.2965	52.8377
Cr 267.716	107.642	108.774	108.540
Cu 324.754	107.296	108.312	108.447
Fe 271.441	33306.9	33320.1	33283.2
K 766.491	7590.64	7596.67	7587.21
Mg 279.078	33796.4	33824.0	33823.1
Mn 257.610	1791.43	1791.86	1790.53
Mo 202.032	104.158	103.333	103.713
Na 330.237	20918.3	20923.7	20798.1
Ni 231.604	106.969	108.679	105.456
Pb 220.353	56.3384	50.7148	45.5126
Sb 206.834	51.0863	54.3817	56.4081
Se 196.026	120.597	125.047	116.140
Sn 189.925	202.997	204.671	211.207
Sr 216.596	578.101	578.731	578.495
Ti 334.941	103.123	103.271	103.331
Tl 190.794	44.8412	37.9603	37.3233
V 292.401	104.613	105.958	105.020
Zn 206.200	111.922	112.865	113.228

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	19.8217	ppb	0.3156	1.6	1173.81
Al 308.215	5408.19	ppb	9.1351	0.2	24804.3
As 188.980	132.805	ppb	5.0635	3.8	87.9310
B 249.678	349.572	ppb	2.1669	0.6	3494.38
Ba 389.178	329.097	ppb	0.9327	0.3	6789.39
Be 313.042	55.7553	ppb	0.0635	0.1	104842
Ca 370.602	110772	ppb	63.70	0.1	313045
Cd 226.502	53.4193	ppb	0.3270	0.6	1880.97
Co 228.615	53.3681	ppb	0.5696	1.1	576.921
Cr 267.716	108.319	ppb	0.5977	0.6	4256.13
Cu 324.754	108.018	ppb	0.6292	0.6	4842.83
Fe 271.441	33303.4	ppb	18.7193	0.1	52766.8
K 766.491	7591.51	ppb	4.7891	0.1	320859
Mg 279.078	33814.5	ppb	15.6457	0.0	67552.2
Mn 257.610	1791.27	ppb	0.6788	0.0	383315
Mo 202.032	103.734	ppb	0.4129	0.4	612.139
Na 330.237	20880.0	ppb	70.9786	0.3	996.193
Ni 231.604	107.035	ppb	1.6125	1.5	262.008
Pb 220.353	50.8552	ppb	5.4143	10.6	78.7978
Sb 206.834	53.9587	ppb	2.6860	5.0	41.7427
Se 196.026	120.595	ppb	4.4535	3.7	55.9700
Sn 189.925	206.292	ppb	4.3383	2.1	140.251
Sr 216.596	578.442	ppb	0.3186	0.1	4981.08
Ti 334.941	103.242	ppb	0.1074	0.1	23074.8
Tl 190.794	40.0416	ppb	4.1687	10.4	28.3936
V 292.401	105.197	ppb	0.6899	0.7	2628.49
Zn 206.200	112.672	ppb	0.6743	0.6	171.139

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-5-a (Samp) 3/30/2013, 4:07:02 PM Rack 2, Tube 11

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4240u	-0.0364u	-0.4458u
Al 308.215	11.0267	8.9116	2.9479
As 188.980	-5.5091u	-5.9706u	-4.6327u
B 249.678	-4.2852u	-4.8900u	-5.7484u
Ba 389.178	-0.3406u	0.1345	0.1335
Be 313.042	-0.0856u	-0.0560u	-0.0629u
Ca 370.602	10.47	12.18	7.676
Cd 226.502	-0.2056u	-0.1676u	-0.2976u
Co 228.615	-0.4251u	-0.8664u	0.3296
Cr 267.716	-0.2249u	-0.0942u	-0.1458u
Cu 324.754	-0.6018u	0.1473	-0.9205u
Fe 271.441	1.1872	8.1935	9.7838
K 766.491	0.6757	0.6427	-0.3387u
Mg 279.078	2.0468	-0.8059u	2.9311
Mn 257.610	0.8445	0.8188	0.8143
Mo 202.032	-1.0260u	-1.1572u	-0.0756u
Na 330.237	16.6938	-94.5375u	-142.893u
Ni 231.604	1.4700	-1.1422u	-0.2273u
Pb 220.353	3.6965	2.9290	2.5547
Sb 206.834	7.9371	-6.1460u	5.2769
Se 196.026	4.7632	13.4729	9.7623
Sn 189.925	1.6727	5.1031	3.1807
Sr 216.596	1.3450	0.6140	0.8669
Ti 334.941	-0.0998u	-0.1641u	-0.2084u
Tl 190.794	2.6779	8.0663	-1.5690u
V 292.401	0.3755	-0.7167u	-0.3529u
Zn 206.200	0.3652	1.5729	0.9207

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3021	ppb	0.2303	76.2	-95.0736
Al 308.215	7.6287	ppb	4.1894	54.9	159.210
As 188.980	-5.3708	ppb	0.6796	12.7	-1.9938
B 249.678	-4.9745	ppb	0.7352	14.8	198.661
Ba 389.178	-0.0242	ppb	0.2740	1131.9	-17.5195
Be 313.042	-0.0682	ppb	0.0155	22.7	-275.420
Ca 370.602	10.11	ppb	2.271	22.5	8.346
Cd 226.502	-0.2236	ppb	0.0668	29.9	7.1304
Co 228.615	-0.3206	ppb	0.6048	188.6	10.7252
Cr 267.716	-0.1550	ppb	0.0658	42.5	-1.6020
Cu 324.754	-0.4583	ppb	0.5482	119.6	65.5444
Fe 271.441	6.3882	ppb	4.5738	71.6	19.7124
K 766.491	0.3265	ppb	0.5764	176.5	238.917
Mg 279.078	1.3907	ppb	1.9530	140.4	33.4112
Mn 257.610	0.8259	ppb	0.0163	2.0	244.194
Mo 202.032	-0.7529	ppb	0.5902	78.4	10.6020
Na 330.237	-73.5789	ppb	81.8318	111.2	-0.1501
Ni 231.604	0.0335	ppb	1.3255	3956.6	2.4440
Pb 220.353	3.0601	ppb	0.5821	19.0	9.0149
Sb 206.834	2.3560	ppb	7.4822	317.6	2.6128
Se 196.026	9.3328	ppb	4.3707	46.8	3.6155
Sn 189.925	3.3188	ppb	1.7194	51.8	1.0518
Sr 216.596	0.9420	ppb	0.3712	39.4	19.0188
Ti 334.941	-0.1574	ppb	0.0546	34.7	-67.5341
Tl 190.794	3.0584	ppb	4.8289	157.9	-0.6548
V 292.401	-0.2313	ppb	0.5561	240.4	2.3617
Zn 206.200	0.9529	ppb	0.6945	63.4	2.4335

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88717-c-6-a (Samp) 3/30/2013, 4:12:28 PM Rack 2, Tube 12

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2195	-1.7789u	0.8987
Al 308.215	57.5901	57.7398	56.5154
As 188.980	-0.5102u	6.3953	5.2542
B 249.678	2.9440u	3.8627	4.5844
Ba 389.178	114.148	112.092	112.416
Be 313.042	-0.0606u	-0.0577u	-0.0520u
Ca 370.602	37927	37909	37969
Cd 226.502	-0.5295	-0.4930	-0.4190
Co 228.615	10.1137	10.6346	8.6573
Cr 267.716	0.5653	0.4733	0.1370
Cu 324.754	-1.4252u	0.8851	0.6819
Fe 271.441	34861.0	34785.8	34800.4
K 766.491	663.116	662.433	663.138
Mg 279.078	25243.7	25275.5	25294.2
Mn 257.610	14398.8	14390.9	14385.6
Mo 202.032	-0.0165u	-1.5158u	0.2975
Na 330.237	5386.96	4542.96	5234.22
Ni 231.604	-0.1613	0.6043	0.0565
Pb 220.353	4.3665	-7.9192u	-5.6050u
Sb 206.834	-3.0080u	-5.4852u	-1.5619u
Se 196.026	-6.4522	5.6174	9.4126
Sn 189.925	0.5847	-1.7586u	-3.3187u
Sr 216.596	256.704	255.708	256.804
Ti 334.941	0.3345	0.4805	0.4883
Tl 190.794	35.8115	33.8689	38.2223
V 292.401	-1.3251u	-0.8624u	-0.4836u
Zn 206.200	10.3967	8.1690	9.9851

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3666	ppb	1.3448	366.9	-53.1669
Al 308.215	57.2818	ppb	0.6679	1.2	385.761
As 188.980	3.7131	ppb	3.7017	99.7	3.8454
B 249.678	3.7970	ppb	0.8222	21.7	248.467
Ba 389.178	112.885	ppb	1.1055	1.0	2377.85
Be 313.042	-0.0568	ppb	0.0044	7.7	-247.093
Ca 370.602	37935	ppb	30.90	0.1	105833
Cd 226.502	-0.4805	ppb	0.0563	11.7	74.7523
Co 228.615	9.8019	ppb	1.0249	10.5	116.709
Cr 267.716	0.3919	ppb	0.2255	57.5	77.4137
Cu 324.754	0.0472	ppb	1.2792	2707.8	96.8190
Fe 271.441	34815.7	ppb	39.9174	0.1	55154.9
K 766.491	662.896	ppb	0.4011	0.1	28223.1
Mg 279.078	25271.1	ppb	25.5427	0.1	50296.8
Mn 257.610	14391.8	ppb	6.6443	0.0	3077295
Mo 202.032	-0.4116	ppb	0.9691	235.4	11.1873
Na 330.237	5054.71	ppb	449.725	8.9	236.558
Ni 231.604	0.1665	ppb	0.3945	236.9	3.4298
Pb 220.353	-3.0526	ppb	6.5284	213.9	2.8312
Sb 206.834	-3.3517	ppb	1.9841	59.2	-1.0526
Se 196.026	2.8592	ppb	8.2842	289.7	4.1525
Sn 189.925	-1.4975	ppb	1.9648	131.2	-2.2362
Sr 216.596	256.405	ppb	0.6058	0.2	2221.62
Ti 334.941	0.4345	ppb	0.0866	19.9	158.144
Tl 190.794	35.9676	ppb	2.1809	6.1	8.2096
V 292.401	-0.8904	ppb	0.4214	47.3	-14.0569
Zn 206.200	9.5169	ppb	1.1854	12.5	16.3111

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 4:17:54 PM Rack 2, Tube 13

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	512.027	511.739	520.943
Al 308.215	5436.52	5436.95	5476.29
As 188.980	522.806	535.570	544.816
B 249.678	621.557	630.240	635.060
Ba 389.178	4641.75	4637.80	4657.49
Be 313.042	511.828	511.540	514.751
Ca 370.602	5267	5267	5305
Cd 226.502	498.485	498.469	501.797
Co 228.615	497.146	496.891	499.920
Cr 267.716	5022.03	5028.88	5070.95
Cu 324.754	4812.85	4935.30	4945.69
Fe 271.441	5314.59	5318.34	5363.71
K 766.491	10691.1	10648.3	10688.0
Mg 279.078	5485.65	5473.65	5519.80
Mn 257.610	4950.88	4950.70	4973.95
Mo 202.032	505.468	504.017	508.623
Na 330.237	8103.34	8020.33	8331.25
Ni 231.604	2535.88	2538.52	2548.36
Pb 220.353	516.637	511.921	516.834
Sb 206.834	1019.70	1015.89	1018.76
Se 196.026	5542.09	5503.23	5531.67
Sn 189.925	5173.16	5194.24	5237.98
Sr 216.596	2560.52	2560.46	2586.30
Ti 334.941	515.371	515.806	520.501
Tl 190.794	5100.25	5092.17	5125.27
V 292.401	5150.10	5143.30	5167.46
Zn 206.200	2560.59	2578.11	2585.86

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	514.903	ppb	5.2329	1.0	32719.8	102.98065
Al 308.215	5449.92	ppb	22.8393	0.4	24965.6	108.99838
As 188.980	534.397	ppb	11.0519	2.1	346.816	106.87947
B 249.678	628.953	ppb	6.8434	1.1	6141.98	25.15810Q
Ba 389.178	4645.68	ppb	10.4179	0.2	94400.4	92.91361
Be 313.042	512.706	ppb	1.7766	0.3	964902	102.54130
Ca 370.602	5280	ppb	21.58	0.4	14874	105.59775
Cd 226.502	499.583	ppb	1.9166	0.4	16797.6	99.91668
Co 228.615	497.986	ppb	1.6801	0.3	5288.63	99.59711
Cr 267.716	5040.62	ppb	26.4879	0.5	197273	100.81237
Cu 324.754	4897.95	ppb	73.8800	1.5	215297	97.95895
Fe 271.441	5332.21	ppb	27.3418	0.5	8572.52	106.64426
K 766.491	10675.8	ppb	23.8242	0.2	451126	106.75789
Mg 279.078	5493.03	ppb	23.9417	0.4	10926.9	109.86066
Mn 257.610	4958.51	ppb	13.3748	0.3	1060255	99.17020
Mo 202.032	506.036	ppb	2.3550	0.5	2927.47	101.20714
Na 330.237	8151.64	ppb	160.986	2.0	372.072	108.68857
Ni 231.604	2540.92	ppb	6.5739	0.3	6151.09	101.63683
Pb 220.353	515.130	ppb	2.7816	0.5	755.789	103.02608
Sb 206.834	1018.12	ppb	1.9851	0.2	795.136	101.81160
Se 196.026	5525.66	ppb	20.1105	0.4	2570.71	110.51325Q
Sn 189.925	5201.79	ppb	33.0614	0.6	3565.06	104.03583
Sr 216.596	2569.10	ppb	14.9030	0.6	21970.3	102.76382
Ti 334.941	517.226	ppb	2.8443	0.5	115129	103.44518
Tl 190.794	5105.90	ppb	17.2595	0.3	4531.17	102.11796
V 292.401	5153.62	ppb	12.4612	0.2	129141	103.07241
Zn 206.200	2574.85	ppb	12.9479	0.5	3859.80	102.99410

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 4:23:19 PM Rack 2, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3158u	0.1942	0.5854
Al 308.215	-0.3167u	5.8743	5.1579
As 188.980	-0.5721u	-5.4922u	-6.4591u
B 249.678	-2.0167u	-1.1746u	-5.5248u
Ba 389.178	-0.5120u	0.0692	-0.5779u
Be 313.042	-0.0529u	-0.0595u	-0.0743u
Ca 370.602	-1.309u	0.5282	-2.933u
Cd 226.502	-0.3683u	-0.0994u	-0.0219u
Co 228.615	-0.0311u	0.2749	0.0476
Cr 267.716	0.0278	-0.2356u	-0.5510u
Cu 324.754	-0.8144u	-0.2153u	0.0118
Fe 271.441	-4.3074u	-7.7837u	-0.9054u
K 766.491	-0.6323u	0.0685	-1.2678u
Mg 279.078	2.0115	1.7608	4.2292
Mn 257.610	-0.0995u	-0.1022u	-0.0903u
Mo 202.032	0.1227	-0.1834u	0.3826
Na 330.237	-11.6816u	-44.7784u	-56.9884u
Ni 231.604	-1.0572u	-0.8567u	0.4545
Pb 220.353	-1.6846u	-2.3502u	0.3938
Sb 206.834	6.4654	10.3357	8.7361
Se 196.026	1.8399	10.1415	-3.7646u
Sn 189.925	-1.3446u	6.0867	5.6252
Sr 216.596	-0.1203u	-0.0210u	0.5991
Ti 334.941	-0.1692u	-0.1272u	-0.1797u
Tl 190.794	4.4746	2.1344	4.8932
V 292.401	-0.3856u	0.1188	-0.5801u
Zn 206.200	-0.0278u	0.0088	-1.0076u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1546	ppb	0.4519	292.3	-65.9594	0.15460
Al 308.215	3.5718	ppb	3.3865	94.8	140.784	3.57184
As 188.980	-4.1745	ppb	3.1570	75.6	-1.2206	-4.17447
B 249.678	-2.9054	ppb	2.3072	79.4	218.083	-2.90537
Ba 389.178	-0.3402	ppb	0.3561	104.7	-23.9419	-0.34023
Be 313.042	-0.0623	ppb	0.0109	17.6	-264.416	-0.06226
Ca 370.602	-1.238	ppb	1.732	139.9	-23.46	-1.23783
Cd 226.502	-0.1632	ppb	0.1818	111.4	9.1425	-0.16320
Co 228.615	0.0972	ppb	0.1589	163.5	15.1237	0.09715
Cr 267.716	-0.2529	ppb	0.2898	114.6	-5.4381	-0.25292
Cu 324.754	-0.3393	ppb	0.4268	125.8	70.7930	-0.33928
Fe 271.441	-4.3321	ppb	3.4392	79.4	2.7377	-4.33215
K 766.491	-0.6105	ppb	0.6684	109.5	199.340	-0.61050
Mg 279.078	2.6672	ppb	1.3586	50.9	35.9750	2.66718
Mn 257.610	-0.0973	ppb	0.0063	6.4	46.8005	-0.09732
Mo 202.032	0.1073	ppb	0.2833	264.0	15.5672	0.10733
Na 330.237	-37.8162	ppb	23.4421	62.0	1.5794	-37.81615
Ni 231.604	-0.4865	ppb	0.8211	168.8	1.1856	-0.48648
Pb 220.353	-1.2137	ppb	1.4313	117.9	2.7802	-1.21366
Sb 206.834	8.5124	ppb	1.9448	22.8	7.1943	8.51242
Se 196.026	2.7389	ppb	6.9965	255.4	0.5481	2.73891
Sn 189.925	3.4558	ppb	4.1636	120.5	1.1457	3.45578
Sr 216.596	0.1526	ppb	0.3898	255.5	12.2367	0.15258
Ti 334.941	-0.1587	ppb	0.0278	17.5	-67.8289	-0.15871
Tl 190.794	3.8341	ppb	1.4867	38.8	0.0359	3.83405
V 292.401	-0.2823	ppb	0.3607	127.8	0.9504	-0.28227
Zn 206.200	-0.3422	ppb	0.5765	168.5	1.24859	-0.34218

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88718-q-4-a (Samp) 3/30/2013, 4:28:43 PM Rack 2, Tube 15

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.0834u	-0.7605u	-1.2846u
Al 308.215	7.6547	7.3219	10.4579
As 188.980	-3.2498u	-8.1045u	-1.0013u
B 249.678	588.937	594.424	599.046
Ba 389.178	78.3235	78.1877	77.4425
Be 313.042	-0.0661u	-0.0575u	-0.0723u
Ca 370.602	41717	41658	41744
Cd 226.502	0.0048	0.1083	-0.1507u
Co 228.615	-0.1521u	-0.0618u	-0.8063u
Cr 267.716	-0.1911u	0.2692	0.3876
Cu 324.754	-0.0177	-0.1754u	0.1447
Fe 271.441	464.916	464.714	458.362
K 766.491	3382.65	3376.78	3368.67
Mg 279.078	51853.6	51962.7	51979.5
Mn 257.610	22.3876	22.4776	22.4937
Mo 202.032	53.8424	55.7172	55.9659
Na 330.237	41520.4	41813.8	41818.4
Ni 231.604	-1.4854u	-0.5586u	-0.8883u
Pb 220.353	-3.5792u	-0.5212u	-3.1822u
Sb 206.834	2.7237	-0.3429u	3.6625
Se 196.026	11.7787	0.0532	3.7360
Sn 189.925	-4.0610u	0.0169	-2.6451u
Sr 216.596	2746.52	2747.63	2755.93
Ti 334.941	-0.8882u	-0.7826	-0.8592u
Tl 190.794	2.3654	3.1295	2.5062
V 292.401	-0.4431u	-0.4504u	-0.6720u
Zn 206.200	2.3746	0.9103	0.0079

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3762	ppb	0.6662	48.4	-267.646
Al 308.215	8.4782	ppb	1.7226	20.3	168.959
As 188.980	-4.1185	ppb	3.6304	88.1	-0.8364
B 249.678	594.136	ppb	5.0605	0.9	5819.90
Ba 389.178	77.9845	ppb	0.4743	0.6	1688.45
Be 313.042	-0.0653	ppb	0.0074	11.4	-271.286
Ca 370.602	41706	ppb	44.01	0.1	118706
Cd 226.502	-0.0125	ppb	0.1303	1039.7	15.5869
Co 228.615	-0.3401	ppb	0.4063	119.5	8.8030
Cr 267.716	0.1552	ppb	0.3057	196.9	11.3290
Cu 324.754	-0.0161	ppb	0.1601	992.5	86.4501
Fe 271.441	462.664	ppb	3.7266	0.8	742.511
K 766.491	3376.03	ppb	7.0162	0.2	142815
Mg 279.078	51932.0	ppb	68.3462	0.1	103765
Mn 257.610	22.4529	ppb	0.0572	0.3	5152.05
Mo 202.032	55.1751	ppb	1.1609	2.1	333.359
Na 330.237	41717.5	ppb	170.757	0.4	2008.50
Ni 231.604	-0.9774	ppb	0.4698	48.1	0.0064
Pb 220.353	-2.4275	ppb	1.6628	68.5	0.9498
Sb 206.834	2.0144	ppb	2.0948	104.0	1.8023
Se 196.026	5.1893	ppb	5.9963	115.6	1.6960
Sn 189.925	-2.2297	ppb	2.0704	92.9	-2.7253
Sr 216.596	2750.03	ppb	5.1399	0.2	23568.9
Ti 334.941	-0.8433	ppb	0.0546	6.5	-34.5710
Tl 190.794	2.6670	ppb	0.4067	15.2	-1.0750
V 292.401	-0.5218	ppb	0.1301	24.9	-14.6866
Zn 206.200	1.0976	ppb	1.1944	108.8	-2.6499

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88718-q-5-a (Samp) **3/30/2013, 4:34:18 PM** **Rack 2, Tube 16****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.7647u	-1.5725u	-2.4396u
Al 308.215	7.1828	6.2014	10.4239
As 188.980	-7.3784u	-2.4077u	-6.8045u
B 249.678	598.392	605.650	608.753
Ba 389.178	77.5594	77.6481	76.9271
Be 313.042	-0.0784u	-0.0726u	-0.0788u
Ca 370.602	41451	41302	41285
Cd 226.502	-0.1045u	-0.1060u	0.2104
Co 228.615	0.0795u	0.4431	-0.4031u
Cr 267.716	-0.1129u	0.0837	-0.4717u
Cu 324.754	-0.3539u	-0.3534u	-0.0017
Fe 271.441	456.748	450.646	455.123
K 766.491	3346.82	3341.56	3329.12
Mg 279.078	51602.6	51476.5	51515.5
Mn 257.610	22.0586	21.9442	22.0750
Mo 202.032	56.3516	55.0838	55.8610
Na 330.237	41679.7	41513.6	41551.7
Ni 231.604	-0.9463u	-2.4858u	-1.8283u
Pb 220.353	-2.2064u	-2.2512u	-1.1060u
Sb 206.834	-5.7109u	3.9477	-5.2196u
Se 196.026	1.0140	-5.2103u	-19.8122u
Sn 189.925	0.8091	0.7745	4.2371
Sr 216.596	2733.37	2719.62	2725.98
Ti 334.941	-0.8104	-0.7861	-0.7055
Tl 190.794	3.8597	10.8703	-2.1204u
V 292.401	-0.6863u	-0.7209u	-0.9438u
Zn 206.200	3.8034	0.8146	1.5426

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9256	ppb	0.4554	23.6	-301.986
Al 308.215	7.9360	ppb	2.2097	27.8	166.497
As 188.980	-5.5302	ppb	2.7193	49.2	-1.7518
B 249.678	604.265	ppb	5.3175	0.9	5914.95
Ba 389.178	77.3782	ppb	0.3932	0.5	1675.24
Be 313.042	-0.0766	ppb	0.0035	4.5	-292.685
Ca 370.602	41346	ppb	91.54	0.2	117680
Cd 226.502	-0.0001	ppb	0.1822	347541.1	15.9976
Co 228.615	0.0398	ppb	0.4245	1066.6	12.8138
Cr 267.716	-0.1670	ppb	0.2816	168.6	-1.2843
Cu 324.754	-0.2363	ppb	0.2032	86.0	76.7786
Fe 271.441	454.172	ppb	3.1599	0.7	729.000
K 766.491	3339.16	ppb	9.0894	0.3	141257
Mg 279.078	51531.6	ppb	64.5754	0.1	102965
Mn 257.610	22.0259	ppb	0.0713	0.3	5058.66
Mo 202.032	55.7655	ppb	0.6393	1.1	336.766
Na 330.237	41581.7	ppb	87.0564	0.2	2001.96
Ni 231.604	-1.7535	ppb	0.7724	44.1	-1.8715
Pb 220.353	-1.8545	ppb	0.6486	35.0	1.7855
Sb 206.834	-2.3276	ppb	5.4401	233.7	-1.4383
Se 196.026	-8.0028	ppb	10.6902	133.6	-4.4404
Sn 189.925	1.9402	ppb	1.9892	102.5	0.1334
Sr 216.596	2726.32	ppb	6.8831	0.3	23365.8
Ti 334.941	-0.7673	ppb	0.0549	7.2	-19.0446
Tl 190.794	4.2032	ppb	6.5021	154.7	0.2909
V 292.401	-0.7837	ppb	0.1397	17.8	-21.2607
Zn 206.200	2.0535	ppb	1.5585	75.8	-5.0888

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-b-1-a (Samp) 3/30/2013, 4:39:44 PM Rack 2, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0426	-0.9142u	-0.3518
Al 308.215	70.4299	66.8592	65.6837
As 188.980	-9.0543u	1.8209	-0.7953
B 249.678	6.8732	3.8761	3.4540
Ba 389.178	147.071	149.011	147.991
Be 313.042	-0.0872u	-0.0816u	-0.0867u
Ca 370.602	182523	182774	183382
Cd 226.502	-0.5979	-0.1755	-0.2612
Co 228.615	12.7483	13.4667	13.5151
Cr 267.716	0.7209	1.1288	0.7744
Cu 324.754	1.6350	1.8684	1.8959
Fe 271.441	13526.1	13595.4	13614.4
K 766.491	2394.15	2398.68	2392.67
Mg 279.078	73104.8	73184.9	73290.8
Mn 257.610	19663.2	19704.1	19743.8
Mo 202.032	-0.1080u	-0.2090u	0.0349u
Na 330.237	33659.3	33641.8	33407.9
Ni 231.604	8.7351	11.8449	10.5042
Pb 220.353	0.6807	-5.4327u	-2.2137
Sb 206.834	1.2813	-3.7490u	-0.6856u
Se 196.026	16.2610	6.2997	5.3857
Sn 189.925	-1.6907u	-11.4213u	-1.1018u
Sr 216.596	1350.05	1348.88	1349.39
Ti 334.941	1.2228	1.1587	1.2452
Tl 190.794	53.5140	51.4805	49.9532
V 292.401	5.0456	5.5951	5.3900
Zn 206.200	2.8131	2.8107	1.7227

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4078	ppb	0.4808	117.9	-76.9101
Al 308.215	67.6576	ppb	2.4718	3.7	433.019
As 188.980	-2.6762	ppb	5.6764	212.1	1.2236
B 249.678	4.7344	ppb	1.8642	39.4	277.089
Ba 389.178	148.024	ppb	0.9702	0.7	3176.17
Be 313.042	-0.0852	ppb	0.0031	3.6	-256.840
Ca 370.602	182893	ppb	441.4	0.2	520276
Cd 226.502	-0.3449	ppb	0.2233	64.7	33.3611
Co 228.615	13.2434	ppb	0.4294	3.2	153.800
Cr 267.716	0.8747	ppb	0.2217	25.3	111.375
Cu 324.754	1.7997	ppb	0.1433	8.0	168.266
Fe 271.441	13578.6	ppb	46.4674	0.3	21518.3
K 766.491	2395.17	ppb	3.1322	0.1	101387
Mg 279.078	73193.5	ppb	93.2925	0.1	145938
Mn 257.610	19703.7	ppb	40.2565	0.2	4213208
Mo 202.032	-0.0940	ppb	0.1225	130.3	13.8558
Na 330.237	33569.7	ppb	140.385	0.4	1613.16
Ni 231.604	10.3614	ppb	1.5598	15.1	27.6948
Pb 220.353	-2.3219	ppb	3.0581	131.7	4.9054
Sb 206.834	-1.0511	ppb	2.5350	241.2	0.3045
Se 196.026	9.3155	ppb	6.0323	64.8	8.2779
Sn 189.925	-4.7379	ppb	5.7955	122.3	-4.3986
Sr 216.596	1349.44	ppb	0.5847	0.0	11589.0
Ti 334.941	1.2089	ppb	0.0449	3.7	500.164
Tl 190.794	51.6492	ppb	1.7864	3.5	16.1777
V 292.401	5.3436	ppb	0.2777	5.2	142.883
Zn 206.200	2.4488	ppb	0.6289	25.7	5.6799

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-b-2-a (Samp) **3/30/2013, 4:45:09 PM** **Rack 2, Tube 18****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0374	-0.7275u	-0.3321u
Al 308.215	60.8470	61.5590	48.1427
As 188.980	1.2410	1.6663	-6.5067u
B 249.678	8.6745u	7.0694u	5.9998u
Ba 389.178	267.496	265.645	226.529
Be 313.042	-0.0661u	-0.0608u	-0.0590u
Ca 370.602	244606	245798	204689
Cd 226.502	-1.8712	-1.9250	-2.5859
Co 228.615	55.5478	56.3115	49.0603
Cr 267.716	3.9364	3.9777	2.9649
Cu 324.754	3.2210	3.8793	4.4549
Fe 271.441	151254	151503	130024
K 766.491	3158.55	3169.25	2798.55
Mg 279.078	89166.2	89089.6	76835.4
Mn 257.610	18810.9	18805.2	16232.1
Mo 202.032	-1.0790u	-1.4750u	-0.8005u
Na 330.237	72233.8	72072.1	62901.0
Ni 231.604	36.3365	34.9348	27.9104
Pb 220.353	-1.4024	2.1836	-9.0795u
Sb 206.834	-10.1912u	-6.9965u	-4.5017u
Se 196.026	12.9930	-2.5728	-2.8530
Sn 189.925	5.4488	1.8167	-3.8321u
Sr 216.596	1668.81	1665.70	1432.91
Ti 334.941	0.5375	0.3812	0.2015
Tl 190.794	45.1318	43.9527	34.2506
V 292.401	63.0844	63.3381	53.8370
Zn 206.200	3.2413	4.5711	6.3809

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3657	ppb	0.3463	94.7	-90.6105
Al 308.215	56.8496	ppb	7.5488	13.3	382.761
As 188.980	-1.1998	ppb	4.6008	383.5	1.2195
B 249.678	7.2479	ppb	1.3463	18.6	178.666
Ba 389.178	253.223	ppb	23.1368	9.1	5503.49
Be 313.042	-0.0620	ppb	0.0037	6.0	-204.664
Ca 370.602	231698	ppb	23398	10.1	649713
Cd 226.502	-2.1273	ppb	0.3980	18.7	258.724
Co 228.615	53.6399	ppb	3.9844	7.4	576.990
Cr 267.716	3.6264	ppb	0.5732	15.8	238.090
Cu 324.754	3.8517	ppb	0.6174	16.0	291.862
Fe 271.441	144260	ppb	12329.6	8.5	228508
K 766.491	3042.11	ppb	211.003	6.9	128711
Mg 279.078	85030.4	ppb	7097.21	8.3	169631
Mn 257.610	17949.4	ppb	1487.22	8.3	3838521
Mo 202.032	-1.1182	ppb	0.3389	30.3	2.6619
Na 330.237	69069.0	ppb	5342.23	7.7	3282.97
Ni 231.604	33.0606	ppb	4.5149	13.7	85.1154
Pb 220.353	-2.7661	ppb	5.7540	208.0	3.9150
Sb 206.834	-7.2298	ppb	2.8519	39.4	-2.0524
Se 196.026	2.5224	ppb	9.0689	359.5	5.4280
Sn 189.925	1.1445	ppb	4.6768	408.6	-0.3407
Sr 216.596	1589.14	ppb	135.308	8.5	13688.4
Ti 334.941	0.3734	ppb	0.1681	45.0	367.193
Tl 190.794	41.1117	ppb	5.9711	14.5	3.1934
V 292.401	60.0865	ppb	5.4137	9.0	1518.41
Zn 206.200	4.7311	ppb	1.5759	33.3	9.1029

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-b-3-a (Samp) 3/30/2013, 4:50:33 PM Rack 2, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5140	-0.5173u	-0.3664
Al 308.215	83.9350	84.5711	87.9228
As 188.980	-7.5650u	-13.2988u	-2.4917u
B 249.678	-14.6602u	-16.3004u	-14.7270u
Ba 389.178	277.047	275.663	276.886
Be 313.042	0.0037	0.0068	-0.0163u
Ca 370.602	55444	55565	55326
Cd 226.502	-0.2299	-0.0861	-0.2033
Co 228.615	104.801	105.241	106.729
Cr 267.716	12.3201	11.6910	11.9134
Cu 324.754	19.0909	15.7449	20.2428
Fe 271.441	11087.4	11119.9	11174.0
K 766.491	3748.26	3758.32	3760.19
Mg 279.078	29685.1	29690.1	29689.0
Mn 257.610	13183.5	13186.9	13203.7
Mo 202.032	-0.5388u	0.1615	-0.1472u
Na 330.237	17941.6	18179.7	17890.8
Ni 231.604	67.6442	66.8003	66.1988
Pb 220.353	-3.4550u	0.1585	2.3588
Sb 206.834	0.0614	1.1343	-7.9784u
Se 196.026	3.8764	8.3786	21.6831
Sn 189.925	-2.1887u	1.1796	-0.3964u
Sr 216.596	539.171	540.601	538.480
Ti 334.941	0.0374	0.0276	0.0728
Tl 190.794	40.9544	34.6738	37.7909
V 292.401	7.4372	7.0839	7.0411
Zn 206.200	13.6520	14.1963	12.1683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1232	ppb	0.5570	452.0	-52.8428
Al 308.215	85.4763	ppb	2.1425	2.5	514.275
As 188.980	-7.7851	ppb	5.4069	69.5	-3.1820
B 249.678	-15.2292	ppb	0.9283	6.1	92.0409
Ba 389.178	276.532	ppb	0.7566	0.3	5683.60
Be 313.042	-0.0019	ppb	0.0126	651.0	-139.244
Ca 370.602	55445	ppb	119.4	0.2	157381
Cd 226.502	-0.1731	ppb	0.0765	44.2	33.3935
Co 228.615	105.590	ppb	1.0107	1.0	1130.52
Cr 267.716	11.9748	ppb	0.3190	2.7	522.130
Cu 324.754	18.3595	ppb	2.3365	12.7	895.344
Fe 271.441	11127.1	ppb	43.7766	0.4	17649.0
K 766.491	3755.59	ppb	6.4156	0.2	158846
Mg 279.078	29688.1	ppb	2.6291	0.0	59133.8
Mn 257.610	13191.4	ppb	10.8334	0.1	2820613
Mo 202.032	-0.1748	ppb	0.3510	200.8	13.4838
Na 330.237	18004.0	ppb	154.229	0.9	865.580
Ni 231.604	66.8811	ppb	0.7261	1.1	164.417
Pb 220.353	-0.3125	ppb	2.9354	939.2	6.5714
Sb 206.834	-2.2609	ppb	4.9805	220.3	-0.5575
Se 196.026	11.3127	ppb	9.2588	81.8	7.6752
Sn 189.925	-0.4685	ppb	1.6853	359.7	-1.5203
Sr 216.596	539.417	ppb	1.0813	0.2	4638.63
Ti 334.941	0.0459	ppb	0.0238	51.8	84.8279
Tl 190.794	37.8064	ppb	3.1403	8.3	12.5360
V 292.401	7.1874	ppb	0.2174	3.0	188.203
Zn 206.200	13.3389	ppb	1.0497	7.8	22.0259

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-b-4-a (Samp) 3/30/2013, 4:56:09 PM Rack 2, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5380u	0.8028	-0.1461
Al 308.215	68.8756	67.3352	71.0728
As 188.980	-4.7652u	-3.4817u	-1.5518u
B 249.678	-14.7024u	-15.8168u	-15.9388u
Ba 389.178	87.3871	90.6440	89.2016
Be 313.042	-0.0801u	-0.0690u	-0.0676u
Ca 370.602	56748	56691	56513
Cd 226.502	-0.3462	-0.1391	-0.5132
Co 228.615	17.6520	16.4506	16.8274
Cr 267.716	0.1043	-0.0837	0.0953
Cu 324.754	2.4225	1.5433	1.8807
Fe 271.441	11111.8	11113.6	11123.8
K 766.491	1745.17	1753.13	1753.53
Mg 279.078	20803.4	20822.8	20802.8
Mn 257.610	6730.56	6752.56	6739.38
Mo 202.032	2.1516	3.4255	2.6506
Na 330.237	10286.6	10512.7	10398.3
Ni 231.604	1.7428	0.1435	-0.7622u
Pb 220.353	-4.9267u	-3.9012u	-2.7555u
Sb 206.834	0.0595	-2.6881u	-3.8204u
Se 196.026	10.1038	-6.4780u	13.9581
Sn 189.925	4.0494	-3.1882u	5.4592
Sr 216.596	434.943	436.296	435.598
Ti 334.941	3.5973	3.5795	3.6248
Tl 190.794	21.7010	16.7131	19.2226
V 292.401	0.5102	0.1555	0.8963
Zn 206.200	1.7435	1.9998	2.3469

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0395	ppb	0.6894	1743.2	-63.7630
Al 308.215	69.0945	ppb	1.8784	2.7	439.960
As 188.980	-3.2662	ppb	1.6175	49.5	-0.2501
B 249.678	-15.4860	ppb	0.6814	4.4	89.6480
Ba 389.178	89.0776	ppb	1.6320	1.8	1854.64
Be 313.042	-0.0722	ppb	0.0068	9.5	-268.191
Ca 370.602	56651	ppb	122.5	0.2	160654
Cd 226.502	-0.3328	ppb	0.1874	56.3	27.9214
Co 228.615	16.9767	ppb	0.6144	3.6	193.303
Cr 267.716	0.0386	ppb	0.1060	274.6	32.0881
Cu 324.754	1.9488	ppb	0.4435	22.8	174.295
Fe 271.441	11116.4	ppb	6.4675	0.1	17619.2
K 766.491	1750.61	ppb	4.7161	0.3	74163.6
Mg 279.078	20809.7	ppb	11.3715	0.1	41497.3
Mn 257.610	6740.83	ppb	11.0739	0.2	1441418
Mo 202.032	2.7426	ppb	0.6419	23.4	30.3316
Na 330.237	10399.2	ppb	113.035	1.1	500.099
Ni 231.604	0.3747	ppb	1.2684	338.5	3.4818
Pb 220.353	-3.8611	ppb	1.0861	28.1	0.1896
Sb 206.834	-2.1497	ppb	1.9952	92.8	-0.5918
Se 196.026	5.8613	ppb	10.8585	185.3	3.6345
Sn 189.925	2.1068	ppb	4.6395	220.2	0.2435
Sr 216.596	435.612	ppb	0.6765	0.2	3750.40
Ti 334.941	3.6005	ppb	0.0228	0.6	844.610
Tl 190.794	19.2122	ppb	2.4939	13.0	4.3939
V 292.401	0.5206	ppb	0.3705	71.2	20.8092
Zn 206.200	2.0301	ppb	0.3929	14.8	5.0523

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-b-5-a (Samp) 3/30/2013, 5:01:35 PM Rack 2, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1179u	-1.0639u	-1.4456u
Al 308.215	129.306	126.117	124.574
As 188.980	-1.3451u	-1.2769u	-2.8732u
B 249.678	-17.1550u	-18.3015u	-17.8986u
Ba 389.178	74.1338	75.2883	73.9925
Be 313.042	-0.0728u	-0.0818u	-0.0828u
Ca 370.602	75144	75012	74890
Cd 226.502	-0.5975	-0.5097	-0.4261
Co 228.615	20.3021	20.9080	20.6059
Cr 267.716	1.5633	1.8237	1.5259
Cu 324.754	3.2375	3.8622	4.8632
Fe 271.441	23985.2	23974.5	23999.4
K 766.491	2059.60	2062.11	2068.93
Mg 279.078	25399.2	25397.3	25369.2
Mn 257.610	7979.82	7971.36	7972.28
Mo 202.032	5.4363	6.4995	5.8039
Na 330.237	10381.0	10666.4	10729.2
Ni 231.604	1.5406	2.4324	1.9855
Pb 220.353	14.5554	13.4700	11.0415
Sb 206.834	13.7337	1.0232	1.6290
Se 196.026	15.6456	-9.5104u	-3.1666
Sn 189.925	3.2628	-0.2583u	-0.4906u
Sr 216.596	506.620	505.658	504.319
Ti 334.941	3.4814	3.5276	3.4507
Tl 190.794	22.6811	22.1364	20.5585
V 292.401	1.3108	1.2058	0.9566
Zn 206.200	2.4349	2.0339	1.7660

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2091	ppb	0.2066	17.1	-141.293
Al 308.215	126.666	ppb	2.4134	1.9	702.870
As 188.980	-1.8317	ppb	0.9026	49.3	0.7022
B 249.678	-17.7850	ppb	0.5816	3.3	56.0495
Ba 389.178	74.4715	ppb	0.7109	1.0	1584.45
Be 313.042	-0.0791	ppb	0.0055	7.0	-276.062
Ca 370.602	75015	ppb	127.0	0.2	212044
Cd 226.502	-0.5111	ppb	0.0857	16.8	50.1057
Co 228.615	20.6053	ppb	0.3029	1.5	231.193
Cr 267.716	1.6376	ppb	0.1622	9.9	101.511
Cu 324.754	3.9877	ppb	0.8201	20.6	267.302
Fe 271.441	23986.4	ppb	12.5029	0.1	38004.1
K 766.491	2063.54	ppb	4.8273	0.2	87380.6
Mg 279.078	25388.6	ppb	16.7816	0.1	50627.1
Mn 257.610	7974.49	ppb	4.6425	0.1	1705235
Mo 202.032	5.9132	ppb	0.5400	9.1	48.1166
Na 330.237	10592.2	ppb	185.604	1.8	505.777
Ni 231.604	1.9862	ppb	0.4459	22.5	7.6269
Pb 220.353	13.0223	ppb	1.7993	13.8	25.0453
Sb 206.834	5.4619	ppb	7.1699	131.3	5.2836
Se 196.026	0.9895	ppb	13.0828	1322.1	1.7273
Sn 189.925	0.8380	ppb	2.1032	251.0	-0.6202
Sr 216.596	505.532	ppb	1.1556	0.2	4354.88
Ti 334.941	3.4866	ppb	0.0387	1.1	836.931
Tl 190.794	21.7920	ppb	1.1024	5.1	4.4871
V 292.401	1.1577	ppb	0.1819	15.7	36.2698
Zn 206.200	2.0783	ppb	0.3367	16.2	5.1201

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-b-1-a (Samp) 3/30/2013, 5:07:11 PM Rack 2, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.2664u	-1.7221u	-1.1548u
Al 308.215	19.4563	21.5452	11.3206
As 188.980	-9.1721u	-4.0045u	1.8237
B 249.678	1519.99	1532.52	1538.95
Ba 389.178	141.452	141.341	140.181
Be 313.042	-0.0603u	-0.0780u	-0.0841u
Ca 370.602	158283	157977	158169
Cd 226.502	-0.6966	-0.8965	-0.4980
Co 228.615	0.4465	2.3189	0.8230
Cr 267.716	0.3049	0.5006	0.6621
Cu 324.754	-0.8400u	0.7952	0.3926
Fe 271.441	30908.3	30940.6	30958.6
K 766.491	9993.80	10017.5	10040.9
Mg 279.078	15902.5	15897.9	15893.5
Mn 257.610	825.412	825.216	824.919
Mo 202.032	5.1817	3.9133	4.9650
Na 330.237	41306.9	41485.3	41046.3
Ni 231.604	0.1731	1.3409	1.9112
Pb 220.353	-0.4358u	-1.1077u	-3.2870u
Sb 206.834	6.9176	-1.8774u	0.9013
Se 196.026	14.1504	3.2239	-4.4505u
Sn 189.925	3.8812	0.8734	2.0709
Sr 216.596	1716.70	1711.63	1715.77
Ti 334.941	0.0875	0.0953	0.1283
Tl 190.794	-0.7542u	3.8783	1.3553u
V 292.401	-1.3913u	-1.2470u	-1.3952u
Zn 206.200	114.495	112.417	110.523

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7144	ppb	0.5559	32.4	-246.503
Al 308.215	17.4407	ppb	5.4021	31.0	204.471
As 188.980	-3.7843	ppb	5.5012	145.4	0.1029
B 249.678	1530.49	ppb	9.6460	0.6	14577.5
Ba 389.178	140.991	ppb	0.7040	0.5	2922.72
Be 313.042	-0.0741	ppb	0.0124	16.7	-239.188
Ca 370.602	158143	ppb	154.9	0.1	448062
Cd 226.502	-0.6970	ppb	0.1992	28.6	58.8373
Co 228.615	1.1961	ppb	0.9904	82.8	25.6760
Cr 267.716	0.4892	ppb	0.1789	36.6	33.1010
Cu 324.754	0.1159	ppb	0.8520	734.9	98.9504
Fe 271.441	30935.8	ppb	25.5068	0.1	49008.2
K 766.491	10017.4	ppb	23.5612	0.2	423319
Mg 279.078	15898.0	ppb	4.4911	0.0	31779.7
Mn 257.610	825.182	ppb	0.2486	0.0	176660
Mo 202.032	4.6866	ppb	0.6785	14.5	40.7637
Na 330.237	41279.5	ppb	220.748	0.5	1978.13
Ni 231.604	1.1417	ppb	0.8860	77.6	5.7167
Pb 220.353	-1.6102	ppb	1.4905	92.6	2.3539
Sb 206.834	1.9805	ppb	4.4957	227.0	2.8152
Se 196.026	4.3080	ppb	9.3477	217.0	1.6411
Sn 189.925	2.2752	ppb	1.5143	66.6	0.4030
Sr 216.596	1714.70	ppb	2.6995	0.2	14721.4
Ti 334.941	0.1037	ppb	0.0217	20.9	48.3455
Tl 190.794	1.4931	ppb	2.3193	155.3	-4.5382
V 292.401	-1.3445	ppb	0.0845	6.3	-26.6033
Zn 206.200	112.479	ppb	1.9869	1.8	171.163

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-2-a (Samp) 3/30/2013, 5:12:38 PM Rack 2, Tube 23

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1084u	-0.9105u	-1.1316u
Al 308.215	40.7880	42.1523	38.0924
As 188.980	11.9875	8.1273	0.0250
B 249.678	1630.58	1644.36	1656.82
Ba 389.178	136.987	138.547	139.680
Be 313.042	-0.0568u	-0.0710u	-0.0734u
Ca 370.602	165229	165466	165257
Cd 226.502	-0.6376	-0.6013	-0.6486
Co 228.615	2.5986	0.5954	0.4095
Cr 267.716	0.2015	0.5153	0.3342
Cu 324.754	0.0532	-0.3890u	-0.7995u
Fe 271.441	28739.4	28661.7	28655.5
K 766.491	10668.0	10689.6	10720.8
Mg 279.078	16743.5	16766.1	16733.9
Mn 257.610	812.141	811.416	810.997
Mo 202.032	14.3363	13.8026	13.5736
Na 330.237	45297.0	45659.3	45727.1
Ni 231.604	2.9507	3.6641	3.6142
Pb 220.353	2.7592	-0.3888u	-5.5371u
Sb 206.834	4.4575	-0.7548u	-5.0470u
Se 196.026	-6.3152u	12.5555	13.7999
Sn 189.925	-3.6165u	-3.2394u	-0.7225u
Sr 216.596	1795.52	1796.32	1793.57
Ti 334.941	1.3447	1.3701	1.2844
Tl 190.794	2.3736u	4.4712	-2.3657u
V 292.401	8.6759	8.7441	8.7323
Zn 206.200	23.9748	24.4294	27.5746

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0502	ppb	0.1215	11.6	-208.013
Al 308.215	40.3442	ppb	2.0660	5.1	309.796
As 188.980	6.7133	ppb	6.1053	90.9	6.9774
B 249.678	1643.92	ppb	13.1268	0.8	15644.0
Ba 389.178	138.405	ppb	1.3517	1.0	2869.39
Be 313.042	-0.0671	ppb	0.0090	13.4	-225.581
Ca 370.602	165317	ppb	129.5	0.1	468657
Cd 226.502	-0.6292	ppb	0.0247	3.9	56.1313
Co 228.615	1.2012	ppb	1.2138	101.0	25.5403
Cr 267.716	0.3503	ppb	0.1575	45.0	27.1676
Cu 324.754	-0.3784	ppb	0.4264	112.7	76.7733
Fe 271.441	28685.6	ppb	46.7336	0.2	45444.2
K 766.491	10692.8	ppb	26.5554	0.2	451844
Mg 279.078	16747.8	ppb	16.5384	0.1	33477.1
Mn 257.610	811.518	ppb	0.5787	0.1	173738
Mo 202.032	13.9041	ppb	0.3913	2.8	94.0355
Na 330.237	45561.2	ppb	231.258	0.5	2185.17
Ni 231.604	3.4097	ppb	0.3982	11.7	11.1613
Pb 220.353	-1.0556	ppb	4.1881	396.8	3.1482
Sb 206.834	-0.4481	ppb	4.7597	1062.2	0.8693
Se 196.026	6.6801	ppb	11.2715	168.7	2.7287
Sn 189.925	-2.5262	ppb	1.5733	62.3	-2.8849
Sr 216.596	1795.14	ppb	1.4163	0.1	15410.0
Ti 334.941	1.3331	ppb	0.0440	3.3	324.659
Tl 190.794	1.4930	ppb	3.5025	234.6	-4.4155
V 292.401	8.7174	ppb	0.0364	0.4	224.546
Zn 206.200	25.3262	ppb	1.9694	7.7	400885

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-3-a (Samp) 3/30/2013, 5:18:04 PM Rack 2, Tube 24

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3821	0.6336	-0.8856u
Al 308.215	20.8840	20.6900	17.6110
As 188.980	-2.1002	0.6199	-2.6905u
B 249.678	1630.47	1645.09	1650.22
Ba 389.178	47.2212	48.3801	47.3914
Be 313.042	-0.0806u	-0.0822u	-0.0796u
Ca 370.602	161066	161182	161265
Cd 226.502	0.0796	-0.3854u	-0.0416u
Co 228.615	0.0716	-1.0452u	-0.6264u
Cr 267.716	6.4094	6.8904	6.1788
Cu 324.754	1.5289	-0.4906u	-0.7523u
Fe 271.441	17.2853	12.6638	10.0996
K 766.491	11280.4	11305.4	11330.5
Mg 279.078	16569.5	16597.2	16574.2
Mn 257.610	26629.3	27785.2	26592.4
Mo 202.032	-0.5627u	-1.4765u	-1.4232u
Na 330.237	67582.7	67896.6	67359.3
Ni 231.604	-0.0937u	0.6722	2.9435
Pb 220.353	2.3436	-3.0500	-3.9552u
Sb 206.834	-0.6521u	1.6489	2.3364
Se 196.026	4.5332	19.5430	4.2048
Sn 189.925	-3.6970u	1.2194	1.4194
Sr 216.596	1703.59	1704.36	1704.80
Ti 334.941	-0.0479	0.0574	0.0927
Tl 190.794	71.2251	70.2818	77.0384
V 292.401	-3.0384u	-2.7749u	-3.6949u
Zn 206.200	6.9547	7.0594	5.9251

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0434	ppb	0.8143	1877.6	-32.1418
Al 308.215	19.7283	ppb	1.8363	9.3	214.422
As 188.980	-1.3903	ppb	1.7657	127.0	2.0094
B 249.678	1641.93	ppb	10.2488	0.6	15652.1
Ba 389.178	47.6642	ppb	0.6258	1.3	989.251
Be 313.042	-0.0808	ppb	0.0013	1.6	-259.722
Ca 370.602	161171	ppb	99.92	0.1	459591
Cd 226.502	-0.1158	ppb	0.2412	208.3	10.5895
Co 228.615	-0.5333	ppb	0.5642	105.8	8.5184
Cr 267.716	6.4928	ppb	0.3631	5.6	355.046
Cu 324.754	0.0953	ppb	1.2484	1309.6	89.8952
Fe 271.441	13.3496	ppb	3.6416	27.3	30.7322
K 766.491	11305.4	ppb	25.0835	0.2	477719
Mg 279.078	16580.3	ppb	14.7963	0.1	32738.6
Mn 257.610	27002.3	ppb	678.252	2.5	5773318
Mo 202.032	-1.1541	ppb	0.5129	44.4	8.2911
Na 330.237	67612.9	ppb	269.960	0.4	3253.29
Ni 231.604	1.1740	ppb	1.5795	134.5	5.2038
Pb 220.353	-1.5539	ppb	3.4055	219.2	7.4215
Sb 206.834	1.1111	ppb	1.5652	140.9	1.7352
Se 196.026	9.4270	ppb	8.7622	92.9	9.9596
Sn 189.925	-0.3527	ppb	2.8979	821.6	-1.3892
Sr 216.596	1704.25	ppb	0.6133	0.0	14622.2
Ti 334.941	0.0341	ppb	0.0731	214.8	30.1370
Tl 190.794	72.8485	ppb	3.6592	5.0	26.0813
V 292.401	-3.1694	ppb	0.4738	14.9	-72.1123
Zn 206.200	6.6464	ppb	0.6268	9.4	11.9767

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 5:23:30 PM Rack 2, Tube 25

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	523.264	522.175	519.176
Al 308.215	5486.88	5491.31	5480.95
As 188.980	539.500	532.475	548.713
B 249.678	691.344	693.555	692.577
Ba 389.178	4648.52	4641.92	4645.50
Be 313.042	520.313	520.474	521.034
Ca 370.602	5105	5090	5095
Cd 226.502	507.924	506.373	507.019
Co 228.615	505.739	505.193	504.048
Cr 267.716	5099.97	5092.29	5097.19
Cu 324.754	5148.40	5070.65	4886.04
Fe 271.441	5405.52	5401.04	5418.07
K 766.491	10951.8	10945.9	10954.5
Mg 279.078	5603.67	5582.94	5583.17
Mn 257.610	5029.85	5015.49	5029.34
Mo 202.032	509.354	510.663	510.535
Na 330.237	8107.93	8311.76	8250.13
Ni 231.604	2577.93	2577.00	2570.58
Pb 220.353	517.776	524.971	520.374
Sb 206.834	1022.75	1019.43	1038.52
Se 196.026	5628.35	5586.51	5631.98
Sn 189.925	5154.83	5246.66	5245.53
Sr 216.596	2585.39	2582.73	2578.32
Ti 334.941	519.930	519.938	521.210
Tl 190.794	5174.77	5145.55	5140.86
V 292.401	5206.29	5199.43	5213.15
Zn 206.200	2624.99	2625.07	2612.95

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	521.538	ppb	2.1171	0.4	33142.8	104.30763
Al 308.215	5486.38	ppb	5.1997	0.1	25131.8	109.72763
As 188.980	540.229	ppb	8.1439	1.5	350.582	108.04588
B 249.678	692.492	ppb	1.1075	0.2	6738.13	27.69968Q
Ba 389.178	4645.31	ppb	3.3043	0.1	94393.4	92.90623
Be 313.042	520.607	ppb	0.3782	0.1	979774	104.12144
Ca 370.602	5096	ppb	7.548	0.1	14349	101.92781
Cd 226.502	507.105	ppb	0.7792	0.2	17050.2	101.42102
Co 228.615	504.993	ppb	0.8632	0.2	5362.80	100.99866
Cr 267.716	5096.48	ppb	3.8922	0.1	199459	101.92970
Cu 324.754	5035.03	ppb	134.756	2.7	221321	100.70066
Fe 271.441	5408.21	ppb	8.8284	0.2	8694.38	108.16417
K 766.491	10950.7	ppb	4.3996	0.0	462738	109.50719
Mg 279.078	5589.93	ppb	11.9040	0.2	11119.4	111.79855Q
Mn 257.610	5024.90	ppb	8.1510	0.2	1074449	100.49790
Mo 202.032	510.184	ppb	0.7216	0.1	2951.32	102.03680
Na 330.237	8223.27	ppb	104.533	1.3	375.114	109.64362
Ni 231.604	2575.17	ppb	4.0005	0.2	6233.97	103.00683
Pb 220.353	521.040	ppb	3.6437	0.7	764.409	104.20809
Sb 206.834	1026.90	ppb	10.2013	1.0	802.174	102.69017
Se 196.026	5615.62	ppb	25.2701	0.4	2612.57	112.31233Q
Sn 189.925	5215.67	ppb	52.6933	1.0	3574.57	104.31344
Sr 216.596	2582.15	ppb	3.5723	0.1	22081.4	103.28588
Ti 334.941	520.359	ppb	0.7366	0.1	115827	104.07185
Tl 190.794	5153.73	ppb	18.3729	0.4	4573.63	103.07450
V 292.401	5206.29	ppb	6.8584	0.1	130459	104.12583
Zn 206.200	2621.00	ppb	6.9726	0.3	2929.02	104.84009

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 5:28:55 PM Rack 2, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6960u	-1.0927u	0.2528
Al 308.215	3.6140	-0.5221u	4.4696
As 188.980	0.7117	-1.2493u	0.1067
B 249.678	18.3552	14.5048	12.9619
Ba 389.178	0.4259	-0.9092u	-0.5010u
Be 313.042	-0.0602u	-0.0577u	-0.0620u
Ca 370.602	-4.134u	-5.244u	3.053
Cd 226.502	-0.1484u	-0.2865u	0.0366
Co 228.615	-0.9451u	-0.8437u	0.3892
Cr 267.716	-0.5659u	-0.0544u	-0.1804u
Cu 324.754	-1.1224u	-0.3737u	-0.3633u
Fe 271.441	-0.7728u	-12.8168u	-2.0964u
K 766.491	-1.1690u	0.3121	-0.6553u
Mg 279.078	1.7026	4.9626	0.5362
Mn 257.610	-0.0810u	-0.0731u	-0.1694u
Mo 202.032	1.2273	0.8789	0.0064
Na 330.237	-201.615u	-366.891u	118.653
Ni 231.604	0.0839	-1.6691u	1.2834
Pb 220.353	-2.2121u	0.7942	-3.2238u
Sb 206.834	5.2490	-0.9990u	1.8667
Se 196.026	3.5097	10.7787	6.4848
Sn 189.925	1.6491	-0.3260u	-0.5539u
Sr 216.596	-0.9206u	0.0864	-0.4741u
Ti 334.941	-0.1406u	0.0054	-0.1480u
Tl 190.794	0.9022	1.3932	5.0184
V 292.401	-0.0124u	-0.2961u	-0.5438u
Zn 206.200	1.0668	-0.1114u	-0.6084u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5120	ppb	0.6913	135.0	-108.509	-0.51196
Al 308.215	2.5205	ppb	2.6695	105.9	136.036	2.52048
As 188.980	-0.1436	ppb	1.0042	699.2	1.3853	-0.14361
B 249.678	15.2740	ppb	2.7777	18.2	388.670	15.27398
Ba 389.178	-0.3281	ppb	0.6841	208.5	-23.7010	-0.32810
Be 313.042	-0.0600	ppb	0.0022	3.6	-260.164	-0.05997
Ca 370.602	-2.108	ppb	4.504	213.7	-25.64	-2.10806
Cd 226.502	-0.1328	ppb	0.1621	122.1	10.1566	-0.13275
Co 228.615	-0.4665	ppb	0.7428	159.2	9.1479	-0.46653
Cr 267.716	-0.2669	ppb	0.2665	99.8	-5.9888	-0.26690
Cu 324.754	-0.6198	ppb	0.4353	70.2	58.4758	-0.61980
Fe 271.441	-5.2287	ppb	6.6047	126.3	1.2628	-5.22867
K 766.491	-0.5041	ppb	0.7520	149.2	203.834	-0.50410
Mg 279.078	2.4005	ppb	2.2942	95.6	35.4422	2.40047
Mn 257.610	-0.1078	ppb	0.0535	49.6	44.5364	-0.10784
Mo 202.032	0.7042	ppb	0.6289	89.3	19.0119	0.70418
Na 330.237	-149.951	ppb	246.860	164.6	-3.8150	-149.95120
Ni 231.604	-0.1006	ppb	1.4849	1475.9	2.1193	-0.10061
Pb 220.353	-1.5472	ppb	2.0899	135.1	2.2933	-1.54724
Sb 206.834	2.0389	ppb	3.1276	153.4	2.3636	2.03892
Se 196.026	6.9244	ppb	3.6544	52.8	2.4949	6.92441
Sn 189.925	0.2564	ppb	1.2115	472.5	-1.0478	0.25639
Sr 216.596	-0.4361	ppb	0.5046	115.7	7.1712	-0.43611
Ti 334.941	-0.0944	ppb	0.0865	91.6	-53.5085	-0.09440
Tl 190.794	2.4380	ppb	2.2482	92.2	-1.2053	2.43796
V 292.401	-0.2841	ppb	0.2659	93.6	0.8218	-0.28408
Zn 206.200	0.1157	ppb	0.8694	743.6	2.1744	0.11570

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-4-a (Samp) 3/30/2013, 5:34:20 PM Rack 2, Tube 27

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	7.9930	7.8890	8.3309
Al 308.215	75.7820	75.8214	69.7394
As 188.980	4.6653	3.4431	9.6024
B 249.678	1559.26	1580.50	1591.52
Ba 389.178	37.0114	38.7158	39.2421
Be 313.042	-0.0109u	-0.0071u	-0.0146u
Ca 370.602	157681	158471	158384
Cd 226.502	-0.1822u	-0.5803u	-0.3117u
Co 228.615	0.2530	0.3485	-0.1259u
Cr 267.716	26.5443	26.3585	26.2869
Cu 324.754	-0.3267u	-0.8292u	-0.7958u
Fe 271.441	-18.0728u	-20.6872u	-22.9892u
K 766.491	13731.3	13763.0	13744.5
Mg 279.078	15947.5	15997.3	15986.7
Mn 257.610	149076o	149671o	149458o
Mo 202.032	-0.3023u	-1.3526u	-0.5769u
Na 330.237	156226x	156927x	156691x
Ni 231.604	-10.6147u	-8.0891u	-7.5751u
Pb 220.353	4.5284	1.7842	10.2953
Sb 206.834	5.4138	10.6154	-2.5970u
Se 196.026	66.2098	60.3471	74.2649
Sn 189.925	-3.5619u	2.3186	0.7127
Sr 216.596	1652.89	1665.02	1659.23
Ti 334.941	0.6895	0.6357	0.5927
Tl 190.794	455.025	461.644	449.865
V 292.401	-10.8835u	-10.9972u	-11.2938u
Zn 206.200	10.8805	9.2611	11.1849

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.0710b	ppb	0.2310	2.9	959.005
Al 308.215	73.7809b	ppb	3.5001	4.7	461.114
As 188.980	5.9036b	ppb	3.2610	55.2	6.7010
B 249.678	1577.09b	ppb	16.4012	1.0	15043.8
Ba 389.178	38.3231b	ppb	1.1661	3.0	795.863
Be 313.042	-0.0108b	ppb	0.0038	34.7	-173.594
Ca 370.602	158179b	ppb	432.9	0.3	454151
Cd 226.502	-0.3580b	ppb	0.2030	56.7	1.8648
Co 228.615	0.1585b	ppb	0.2509	158.3	15.8951
Cr 267.716	26.3966b	ppb	0.1329	0.5	1567.66
Cu 324.754	-0.6506b	ppb	0.2810	43.2	57.1731
Fe 271.441	-20.5831b	ppb	2.4599	12.0	-23.0051
K 766.491	13746.3b	ppb	15.9541	0.1	580809
Mg 279.078	15977.2b	ppb	26.2482	0.2	29671.3
Mn 257.610	149402oxb	ppb	301.410	0.2	31942646
Mo 202.032	-0.7439b	ppb	0.5447	73.2	10.6722
Na 330.237	156615xb	ppb	356.583	0.2	7531.34
Ni 231.604	-8.7596b	ppb	1.6269	18.6	-18.8350
Pb 220.353	5.5360b	ppb	4.3441	78.5	41.0255
Sb 206.834	4.4774b	ppb	6.6558	148.7	4.3603
Se 196.026	66.9406b	ppb	6.9876	10.4	65.2462
Sn 189.925	-0.1769b	ppb	3.0395	1718.6	-1.2430
Sr 216.596	1659.04b	ppb	6.0677	0.4	14234.7
Ti 334.941	0.6393b	ppb	0.0485	7.6	153.746
Tl 190.794	455.511b	ppb	5.9045	1.3	206.361
V 292.401	-11.0582b	ppb	0.2119	1.9	-271.932
Zn 206.200	10.4422b	ppb	1.0341	9.8	17.6377

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-5-a (Samp) 3/30/2013, 5:39:56 PM Rack 2, Tube 28

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	60.9343	60.0348	59.9719
Al 308.215	271.304	266.639	270.368
As 188.980	31.6474	44.6542	35.0819
B 249.678	1609.66	1612.70	1622.88
Ba 389.178	19.7717	21.1021	21.1887
Be 313.042	0.1508	0.1648	0.1631
Ca 370.602	164209	164082	164191
Cd 226.502	-1.0523u	-0.6057u	-1.0661u
Co 228.615	-0.0978u	0.1608	0.7190
Cr 267.716	124.025	122.073	122.465
Cu 324.754	-2.4158u	-2.0466u	-2.3955u
Fe 271.441	-74.5400u	-71.3547u	-80.2504u
K 766.491	26589.9	26549.6	26564.1
Mg 279.078	12398.0	12422.0	12414.3
Mn 257.610	225844o	223120o	226859o
Mo 202.032	-0.4282u	-0.6510u	-0.5088u
Na 330.237	533688x	533624x	532669x
Ni 231.604	-36.3379u	-33.9137u	-36.6065u
Pb 220.353	74.5661	67.3779	66.7172
Sb 206.834	1.0018	1.4088	16.0719
Se 196.026	431.857	432.492	425.324
Sn 189.925	0.1697	-0.3682u	2.7934
Sr 216.596	1645.76	1649.77	1642.75
Ti 334.941	2.3342	2.5215	2.3809
Tl 190.794	1249.91	1229.66	1244.68
V 292.401	-40.3410u	-40.5585u	-40.1671u
Zn 206.200	22.2292	24.5832	22.9049

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	60.3137b	ppb	0.5384	0.9	4592.34
Al 308.215	269.437b	ppb	2.4682	0.9	1354.04
As 188.980	37.1278b	ppb	6.7405	18.2	26.9310
B 249.678	1615.08b	ppb	6.9237	0.4	15400.4
Ba 389.178	20.6875b	ppb	0.7943	3.8	427.858
Be 313.042	0.1596b	ppb	0.0076	4.8	83.4075
Ca 370.602	164161b	ppb	68.79	0.0	473132
Cd 226.502	-0.9080b	ppb	0.2619	28.8	-18.8664
Co 228.615	0.2607b	ppb	0.4175	160.2	17.1729
Cr 267.716	122.854b	ppb	1.0328	0.8	5621.34
Cu 324.754	-2.2860b	ppb	0.2076	9.1	-14.4734
Fe 271.441	-75.3817b	ppb	4.5072	6.0	-109.699
K 766.491	26567.9b	ppb	20.4137	0.1	1122341
Mg 279.078	12411.4b	ppb	12.3026	0.1	21374.4
Mn 257.610	225274oxb	ppb	1933.23	0.9	48164432
Mo 202.032	-0.5293b	ppb	0.1128	21.3	11.9595
Na 330.237	533327xb	ppb	570.856	0.1	25638.7
Ni 231.604	-35.6194b	ppb	1.4833	4.2	-83.8337
Pb 220.353	69.5537b	ppb	4.3534	6.3	149.064
Sb 206.834	6.1608b	ppb	8.5856	139.4	6.0005
Se 196.026	429.891b	ppb	3.9680	0.9	252.061
Sn 189.925	0.8650b	ppb	1.6916	195.6	-0.4148
Sr 216.596	1646.09b	ppb	3.5253	0.2	14124.1
Ti 334.941	2.4122b	ppb	0.0975	4.0	509.845
Tl 190.794	1241.41b	ppb	10.5124	0.8	804.186
V 292.401	-40.3555b	ppb	0.1961	0.5	-1013.88
Zn 206.200	23.2391b	ppb	1.2121	5.2	26.7276

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-6-a (Samp) 3/30/2013, 5:45:21 PM Rack 2, Tube 29

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0242u	-0.8870u	-1.3198u
Al 308.215	13.7830	11.8435	10.3580
As 188.980	-6.3535u	0.8424u	-2.6551u
B 249.678	1626.28	1637.51	1644.23
Ba 389.178	142.562	143.116	142.859
Be 313.042	-0.0500u	-0.0632u	-0.0604u
Ca 370.602	166417	166256	166413
Cd 226.502	-4.4530	-4.5050	-4.5745
Co 228.615	10.0342	11.1573	9.8527
Cr 267.716	-1.2234	-0.7414	-1.1834
Cu 324.754	-0.9096	-0.0300	-1.3040
Fe 271.441	319283	318884	318948
K 766.491	11030.3	11028.0	11042.0
Mg 279.078	16702.3	16666.1	16678.0
Mn 257.610	865.778	863.811	864.133
Mo 202.032	18.5748	18.8197	17.8556
Na 330.237	47175.4	47038.6	47058.2
Ni 231.604	11.6195	8.0303	12.6785
Pb 220.353	-5.5876u	-6.7853u	-9.9410u
Sb 206.834	-8.0158u	-7.7798u	-3.7290
Se 196.026	15.2972	-7.3772u	-3.9283
Sn 189.925	2.7359	1.1688	0.0205
Sr 216.596	1802.80	1797.73	1802.40
Ti 334.941	-0.1292	-0.1407	-0.2106
Tl 190.794	-21.2830u	-17.5230u	-12.3701u
V 292.401	0.8502	0.9665	0.8250
Zn 206.200	33.3449	32.2072	34.2569

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0770	ppb	0.2212	20.5	-210.603
Al 308.215	11.9948	ppb	1.7175	14.3	180.979
As 188.980	-2.7221	ppb	3.5984	132.2	-2.1995
B 249.678	1636.00	ppb	9.0701	0.6	15298.2
Ba 389.178	142.845	ppb	0.2772	0.2	3320.48
Be 313.042	-0.0579	ppb	0.0070	12.0	-213.622
Ca 370.602	166362	ppb	91.50	0.1	450507
Cd 226.502	-4.5108	ppb	0.0610	1.4	560.725
Co 228.615	10.3480	ppb	0.7067	6.8	113.039
Cr 267.716	-1.0494	ppb	0.2675	25.5	28.5494
Cu 324.754	-0.7479	ppb	0.6522	87.2	136.252
Fe 271.441	319038	ppb	214.526	0.1	505328
K 766.491	11033.4	ppb	7.5155	0.1	466232
Mg 279.078	16682.1	ppb	18.4458	0.1	33394.8
Mn 257.610	864.574	ppb	1.0551	0.1	185816
Mo 202.032	18.4167	ppb	0.5011	2.7	108.513
Na 330.237	47090.8	ppb	73.9892	0.2	2177.36
Ni 231.604	10.7761	ppb	2.4362	22.6	34.5342
Pb 220.353	-7.4380	ppb	2.2489	30.2	-6.1553
Sb 206.834	-6.5082	ppb	2.4098	37.0	1.2264
Se 196.026	1.3306	ppb	12.2177	918.2	1.8531
Sn 189.925	1.3084	ppb	1.3631	104.2	-0.2604
Sr 216.596	1800.98	ppb	2.8172	0.2	15554.5
Ti 334.941	-0.1602	ppb	0.0440	27.5	18.3540
Tl 190.794	-17.0587	ppb	4.4746	26.2	-34.2297
V 292.401	0.8806	ppb	0.0755	8.6	26.9285
Zn 206.200	33.2697	ppb	1.0269	3.1	520350

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88755-a-7-a (Samp) 3/30/2013, 5:50:47 PM Rack 2, Tube 30

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1436u	-1.4108u	-1.2365u
Al 308.215	13.9743	11.2961	10.3986
As 188.980	-14.4311u	-0.7431u	3.9161u
B 249.678	1641.57	1646.65	1657.71
Ba 389.178	150.845	148.160	150.545
Be 313.042	-0.0513u	-0.0381u	-0.0612u
Ca 370.602	169445	169681	169733
Cd 226.502	-7.4176	-6.9525	-6.7603
Co 228.615	17.5697	17.6217	17.7087
Cr 267.716	-2.8211	-1.9510	-2.2431
Cu 324.754	-1.3833	0.3773	-0.1623
Fe 271.441	561084	561672	561263
K 766.491	11421.5	11415.7	11435.7
Mg 279.078	16861.5	16891.1	16876.3
Mn 257.610	927.279	928.390	928.952
Mo 202.032	14.0843	14.5252	13.8841
Na 330.237	47218.1	47006.0	46989.3
Ni 231.604	13.9100	16.1839	14.9957
Pb 220.353	-5.6569u	-6.0705u	-5.2961u
Sb 206.834	-16.3230u	-13.8639u	-9.5065
Se 196.026	4.3775	6.8291	6.2023
Sn 189.925	2.8435	-4.9102u	3.3507
Sr 216.596	1829.15	1834.16	1836.49
Ti 334.941	-0.2892	-0.2675	-0.4409
Tl 190.794	-35.9394u	-27.4243u	-33.2511u
V 292.401	1.3655	1.5200	1.8388
Zn 206.200	41.4442	40.6757	40.1107

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9303	ppb	0.6869	73.8	-203.194
Al 308.215	11.8897	ppb	1.8603	15.6	179.887
As 188.980	-3.7527	ppb	9.5367	254.1	-5.4099
B 249.678	1648.64	ppb	8.2525	0.5	15190.3
Ba 389.178	149.850	ppb	1.4712	1.0	3764.23
Be 313.042	-0.0502	ppb	0.0116	23.0	-201.713
Ca 370.602	169620	ppb	153.3	0.1	442171
Cd 226.502	-7.0435	ppb	0.3380	4.8	1005.07
Co 228.615	17.6334	ppb	0.0702	0.4	182.676
Cr 267.716	-2.3384	ppb	0.4428	18.9	24.9140
Cu 324.754	-0.3894	ppb	0.9020	231.6	214.853
Fe 271.441	561340	ppb	301.033	0.1	889105
K 766.491	11424.3	ppb	10.2790	0.1	482739
Mg 279.078	16876.3	ppb	14.7920	0.1	33823.1
Mn 257.610	928.207	ppb	0.8514	0.1	200035
Mo 202.032	14.1645	ppb	0.3280	2.3	74.3195
Na 330.237	47071.2	ppb	127.549	0.3	2108.59
Ni 231.604	15.0298	ppb	1.1373	7.6	49.4527
Pb 220.353	-5.6745	ppb	0.3875	6.8	-3.5652
Sb 206.834	-13.2311	ppb	3.4520	26.1	0.3682
Se 196.026	5.8030	ppb	1.2737	21.9	5.2825
Sn 189.925	0.4280	ppb	4.6299	1081.8	-0.8674
Sr 216.596	1833.27	ppb	3.7523	0.2	15910.2
Ti 334.941	-0.3325	ppb	0.0945	28.4	2.7486
Tl 190.794	-32.2049	ppb	4.3529	13.5	-58.8202
V 292.401	1.5748	ppb	0.2414	15.3	45.4102
Zn 206.200	40.7435	ppb	0.6683	1.6	62.2760

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-271070/1-a (Samp) 3/30/2013, 5:56:12 PM Rack 2, Tube 31

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0326u	-0.5831u	0.8304
Al 308.215	1.7783	4.1609	4.6832
As 188.980	-7.5480u	-5.0591u	-7.9273u
B 249.678	43.5040	40.1085	34.9948
Ba 389.178	-1.0273u	-0.9487u	-0.1438u
Be 313.042	-0.0562u	-0.0662u	-0.0631u
Ca 370.602	3.486	4.219	2.755
Cd 226.502	0.0272	0.0420	-0.1879u
Co 228.615	-0.0591u	0.2127	0.1636
Cr 267.716	-0.3098u	-0.3317u	-0.1562u
Cu 324.754	-1.1735u	-0.1226u	-0.4911u
Fe 271.441	5.1316	12.0054	11.1229
K 766.491	-0.3783u	-0.3047u	-1.4281u
Mg 279.078	1.4619	-0.3010u	1.8870
Mn 257.610	0.8295	0.5172	0.3968
Mo 202.032	-0.8508u	-1.0114u	0.1074
Na 330.237	82.8108	-36.7899u	-198.076u
Ni 231.604	-0.2340u	-0.1799u	-0.4017u
Pb 220.353	2.3756	3.9183	-2.3761u
Sb 206.834	4.5321	-2.6624u	-10.6250u
Se 196.026	2.1866	0.1438	8.6075
Sn 189.925	6.8332	-2.0818u	1.5090
Sr 216.596	1.1850	-0.4618u	0.1331
Ti 334.941	-0.2810u	-0.2849u	-0.1105u
Tl 190.794	-0.5349u	-0.9938u	3.3334
V 292.401	-0.5615u	-0.4403u	-0.3853u
Zn 206.200	0.6681	1.3668	-0.1145u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2618	ppb	0.9722	371.4	-92.5369
Al 308.215	3.5408	ppb	1.5486	43.7	140.564
As 188.980	-6.8448	ppb	1.5580	22.8	-2.9468
B 249.678	39.5357	ppb	4.2834	10.8	616.311
Ba 389.178	-0.7066	ppb	0.4890	69.2	-31.3780
Be 313.042	-0.0618	ppb	0.0051	8.3	-263.459
Ca 370.602	3.487	ppb	0.7321	21.0	-10.92
Cd 226.502	-0.0396	ppb	0.1287	325.0	13.3198
Co 228.615	0.1057	ppb	0.1448	137.0	15.2344
Cr 267.716	-0.2659	ppb	0.0956	36.0	-5.9412
Cu 324.754	-0.5957	ppb	0.5332	89.5	59.5094
Fe 271.441	9.4199	ppb	3.7400	39.7	24.5183
K 766.491	-0.7037	ppb	0.6284	89.3	195.405
Mg 279.078	1.0159	ppb	1.1601	114.2	32.6684
Mn 257.610	0.5812	ppb	0.2233	38.4	191.883
Mo 202.032	-0.5849	ppb	0.6049	103.4	11.5718
Na 330.237	-50.6850	ppb	140.958	278.1	0.9494
Ni 231.604	-0.2719	ppb	0.1156	42.5	1.7052
Pb 220.353	1.3059	ppb	3.2807	251.2	6.4563
Sb 206.834	-2.9184	ppb	7.5818	259.8	-1.3196
Se 196.026	3.6459	ppb	4.4165	121.1	0.9702
Sn 189.925	2.0868	ppb	4.4855	214.9	0.2072
Sr 216.596	0.2854	ppb	0.8339	292.2	13.3959
Ti 334.941	-0.2255	ppb	0.0996	44.2	-82.6947
Tl 190.794	0.6015	ppb	2.3769	395.2	-2.8389
V 292.401	-0.4624	ppb	0.0902	19.5	-3.4391
Zn 206.200	0.6401	ppb	0.7410	115.8	-2.9632

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Ics 680-271070/2-a (Samp) 3/30/2013, 6:01:37 PM Rack 2, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	39.1520	37.3148	38.9754
Al 308.215	5434.57	5450.01	5526.77
As 188.980	111.346	102.414	122.566
B 249.678	244.798	244.007	251.073
Ba 389.178	99.2355	100.130	99.7575
Be 313.042	56.7572	56.8144	57.5752
Ca 370.602	5079	5081	5168
Cd 226.502	55.8605	55.8295	56.4022
Co 228.615	56.1273	55.7301	56.7715
Cr 267.716	110.358	110.829	111.871
Cu 324.754	111.154	109.458	110.868
Fe 271.441	5458.62	5447.39	5503.92
K 766.491	5612.71	5581.67	5646.17
Mg 279.078	5712.64	5716.06	5795.94
Mn 257.610	551.210	551.052	557.228
Mo 202.032	103.434	105.070	105.681
Na 330.237	5298.23	5170.35	5352.80
Ni 231.604	110.054	108.490	109.350
Pb 220.353	53.4052	54.3849	51.3248
Sb 206.834	47.9493	47.6102	46.3117
Se 196.026	115.729	115.385	120.663
Sn 189.925	216.900	213.014	214.514
Sr 216.596	108.014	108.368	108.910
Ti 334.941	103.342	104.090	105.322
Tl 190.794	42.1562	44.6116	44.0236
V 292.401	107.590	107.014	108.406
Zn 206.200	114.119	114.124	115.635

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	38.4807	ppb	1.0136	2.6	2377.41
Al 308.215	5470.45	ppb	49.3820	0.9	25088.5
As 188.980	112.109	ppb	10.0974	9.0	73.9147
B 249.678	246.626	ppb	3.8715	1.6	2554.41
Ba 389.178	99.7078	ppb	0.4496	0.5	2029.48
Be 313.042	57.0490	ppb	0.4567	0.8	107244
Ca 370.602	5109	ppb	50.69	1.0	14163
Cd 226.502	56.0307	ppb	0.3221	0.6	1907.59
Co 228.615	56.2096	ppb	0.5255	0.9	607.804
Cr 267.716	111.019	ppb	0.7742	0.7	4351.82
Cu 324.754	110.494	ppb	0.9081	0.8	4944.42
Fe 271.441	5469.98	ppb	29.9264	0.5	8682.53
K 766.491	5613.51	ppb	32.2610	0.6	237316
Mg 279.078	5741.55	ppb	47.1355	0.8	11490.4
Mn 257.610	553.163	ppb	3.5211	0.6	118381
Mo 202.032	104.728	ppb	1.1618	1.1	618.979
Na 330.237	5273.79	ppb	93.6477	1.8	253.807
Ni 231.604	109.298	ppb	0.7830	0.7	266.952
Pb 220.353	53.0383	ppb	1.5627	2.9	81.7404
Sb 206.834	47.2904	ppb	0.8644	1.8	36.3114
Se 196.026	117.259	ppb	2.9529	2.5	53.9761
Sn 189.925	214.810	ppb	1.9598	0.9	146.050
Sr 216.596	108.431	ppb	0.4510	0.4	937.388
Ti 334.941	104.251	ppb	0.9996	1.0	23196.5
Tl 190.794	43.5971	ppb	1.2821	2.9	34.4442
V 292.401	107.670	ppb	0.6995	0.6	2689.87
Zn 206.200	114.626	ppb	0.8739	0.8	174.069

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Ics 680-271070/3-a (Samp) 3/30/2013, 6:07:03 PM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	217.319	216.541	217.035
Al 308.215	2165.88	2181.37	2176.60
As 188.980	237.622	231.821	242.126
B 249.678	476.458	484.496	481.168
Ba 389.178	195.334	194.440	193.227
Be 313.042	227.040	227.701	227.327
Ca 370.602	20534	20650	20602
Cd 226.502	218.454	219.791	219.231
Co 228.615	216.103	217.480	215.031
Cr 267.716	216.823	218.693	218.200
Cu 324.754	219.118	218.389	216.090
Fe 271.441	22755.5	22643.8	22554.7
K 766.491	22492.5	22419.3	22300.6
Mg 279.078	22941.1	23046.7	23023.0
Mn 257.610	2201.05	2208.13	2199.46
Mo 202.032	206.416	209.230	208.393
Na 330.237	20109.8	20004.0	20083.7
Ni 231.604	212.587	217.843	215.342
Pb 220.353	213.089	211.501	205.710
Sb 206.834	207.173	204.294	212.581
Se 196.026	227.336	244.087	226.524
Sn 189.925	204.493	205.873	212.170
Sr 216.596	226.662	226.302	227.842
Ti 334.941	206.686	207.917	208.071
Tl 190.794	43.0457	46.9500	43.3124
V 292.401	215.566	215.683	215.374
Zn 206.200	210.984	215.906	211.842

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	216.965	ppb	0.3933	0.2	13765.2
Al 308.215	2174.62	ppb	7.9310	0.4	10063.4
As 188.980	237.190	ppb	5.1663	2.2	154.706
B 249.678	480.708	ppb	4.0387	0.8	4734.82
Ba 389.178	194.334	ppb	1.0577	0.5	4014.00
Be 313.042	227.356	ppb	0.3314	0.1	427876
Ca 370.602	20595	ppb	58.21	0.3	57067
Cd 226.502	219.158	ppb	0.6714	0.3	7421.53
Co 228.615	216.205	ppb	1.2274	0.6	2298.94
Cr 267.716	217.906	ppb	0.9692	0.4	8542.83
Cu 324.754	217.866	ppb	1.5804	0.7	9668.98
Fe 271.441	22651.3	ppb	100.585	0.4	35920.2
K 766.491	22404.1	ppb	96.8470	0.4	946481
Mg 279.078	23003.6	ppb	55.4160	0.2	45950.2
Mn 257.610	2202.88	ppb	4.6160	0.2	471232
Mo 202.032	208.013	ppb	1.4448	0.7	1214.21
Na 330.237	20065.8	ppb	55.1216	0.3	958.571
Ni 231.604	215.257	ppb	2.6293	1.2	523.685
Pb 220.353	210.100	ppb	3.8842	1.8	310.977
Sb 206.834	208.016	ppb	4.2077	2.0	157.179
Se 196.026	232.649	ppb	9.9139	4.3	108.129
Sn 189.925	207.512	ppb	4.0922	2.0	141.057
Sr 216.596	226.935	ppb	0.8055	0.4	1954.88
Ti 334.941	207.558	ppb	0.7591	0.4	46257.0
Tl 190.794	44.4360	ppb	2.1812	4.9	32.3326
V 292.401	215.541	ppb	0.1559	0.1	5377.27
Zn 206.200	212.911	ppb	2.6292	1.2	321.571

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-a-1-b (Samp) 3/30/2013, 6:12:28 PM Rack 2, Tube 34

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6212u	-0.1666	-0.2706
Al 308.215	17.6780	14.2449	18.5593
As 188.980	-8.5512u	-3.3055u	-8.9885u
B 249.678	8.4856	6.2459	6.4650
Ba 389.178	147.091	150.170	150.104
Be 313.042	-0.0832u	-0.0765u	-0.0875u
Ca 370.602	187584	186825	188385
Cd 226.502	-0.7644	-0.5884	-0.3069
Co 228.615	11.8845	11.1462	11.5433
Cr 267.716	0.9688	1.4143	0.8537
Cu 324.754	-1.3721u	-0.1172u	1.4485
Fe 271.441	13571.3	13579.5	13577.6
K 766.491	2538.50	2527.66	2523.18
Mg 279.078	76335.8	76492.9	76679.1
Mn 257.610	20287.5	20323.1	20347.4
Mo 202.032	-0.0827u	-0.0395u	1.1563
Na 330.237	35419.9	35705.2	35485.2
Ni 231.604	8.7492	10.1018	11.0185
Pb 220.353	-1.4016	1.0402	0.0042
Sb 206.834	-0.8302u	0.0400	-0.3775u
Se 196.026	-4.6408	2.0416	6.6720
Sn 189.925	-0.7152u	5.2536	-1.2145u
Sr 216.596	1371.10	1375.43	1384.19
Ti 334.941	-0.1405	-0.2018	-0.2835
Tl 190.794	55.9813	58.9246	53.0131
V 292.401	4.3088	5.7077	4.0787
Zn 206.200	4.4954	3.1867	4.8432

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3528	ppb	0.2382	67.5	-72.7652
Al 308.215	16.8274	ppb	2.2795	13.5	201.180
As 188.980	-6.9484	ppb	3.1624	45.5	-1.4891
B 249.678	7.0655	ppb	1.2347	17.5	298.966
Ba 389.178	149.122	ppb	1.7588	1.2	3206.40
Be 313.042	-0.0824	ppb	0.0055	6.7	-250.268
Ca 370.602	187598	ppb	780.4	0.4	533690
Cd 226.502	-0.5532	ppb	0.2308	41.7	26.3892
Co 228.615	11.5247	ppb	0.3695	3.2	135.583
Cr 267.716	1.0789	ppb	0.2961	27.4	121.586
Cu 324.754	-0.0136	ppb	1.4131	10382.0	88.5881
Fe 271.441	13576.1	ppb	4.2918	0.0	21514.3
K 766.491	2529.78	ppb	7.8794	0.3	107073
Mg 279.078	76502.6	ppb	171.833	0.2	152538
Mn 257.610	20319.3	ppb	30.1465	0.1	4344850
Mo 202.032	0.3447	ppb	0.7032	204.0	16.3889
Na 330.237	35536.7	ppb	149.483	0.4	1707.71
Ni 231.604	9.9565	ppb	1.1417	11.5	26.7150
Pb 220.353	-0.1191	ppb	1.2255	1029.4	8.2375
Sb 206.834	-0.3892	ppb	0.4352	111.8	0.7987
Se 196.026	1.3576	ppb	5.6873	418.9	4.7206
Sn 189.925	1.1079	ppb	3.5989	324.8	-0.3882
Sr 216.596	1376.91	ppb	6.6696	0.5	11824.7
Ti 334.941	-0.2086	ppb	0.0718	34.4	196.900
Tl 190.794	55.9730	ppb	2.9558	5.3	19.2125
V 292.401	4.6984	ppb	0.8816	18.8	126.618
Zn 206.200	4.1751	ppb	0.8725	20.9	8.2751

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-a-2-b (Samp) 3/30/2013, 6:17:54 PM Rack 2, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1878u	-1.0506u	-0.8590u
Al 308.215	32.3232	34.9857	34.3233
As 188.980	-3.6689u	-7.9635u	2.0028
B 249.678	16.3372	17.1676	17.1305
Ba 389.178	238.615	238.620	238.068
Be 313.042	-0.0536u	-0.0717u	-0.0772u
Ca 370.602	227274	227544	227228
Cd 226.502	-1.7422	-1.6182	-1.9489
Co 228.615	45.3018	44.4917	44.0228
Cr 267.716	3.1636	3.0123	2.9803
Cu 324.754	0.7866	1.5623	1.9791
Fe 271.441	128254	128552	128073
K 766.491	3067.85	3062.30	3044.19
Mg 279.078	85228.5	85420.0	85288.1
Mn 257.610	16718.5	16742.4	16718.8
Mo 202.032	-1.0736u	-0.3984u	-1.5386u
Na 330.237	76995.7	77228.1	77292.5
Ni 231.604	32.7128	31.4992	31.6013
Pb 220.353	0.7495	-1.2986	-2.1545
Sb 206.834	9.2697	-9.5594u	9.4787
Se 196.026	7.7361	4.0927	7.9638
Sn 189.925	-0.7157u	1.4434	3.6014
Sr 216.596	1520.63	1517.59	1522.79
Ti 334.941	-0.5317	-0.5334	-0.4981
Tl 190.794	42.7303	41.3748	30.2270u
V 292.401	62.4976	62.2667	62.2575
Zn 206.200	4.2846	6.9655	5.0295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0325	ppb	0.1651	16.0	-135.822
Al 308.215	33.8774	ppb	1.3861	4.1	277.983
As 188.980	-3.2099	ppb	4.9990	155.7	0.0628
B 249.678	16.8784	ppb	0.4691	2.8	283.949
Ba 389.178	238.434	ppb	0.3172	0.1	5183.96
Be 313.042	-0.0675	ppb	0.0124	18.3	-216.623
Ca 370.602	227349	ppb	170.9	0.1	638459
Cd 226.502	-1.7698	ppb	0.1671	9.4	235.817
Co 228.615	44.6055	ppb	0.6471	1.5	481.909
Cr 267.716	3.0521	ppb	0.0979	3.2	208.323
Cu 324.754	1.4427	ppb	0.6052	41.9	181.836
Fe 271.441	128293	ppb	241.545	0.2	203217
K 766.491	3058.11	ppb	12.3727	0.4	129387
Mg 279.078	85312.2	ppb	97.9786	0.1	170210
Mn 257.610	16726.6	ppb	13.6728	0.1	3577045
Mo 202.032	-1.0035	ppb	0.5734	57.1	3.9557
Na 330.237	77172.1	ppb	156.125	0.2	3676.94
Ni 231.604	31.9378	ppb	0.6731	2.1	82.0937
Pb 220.353	-0.9012	ppb	1.4922	165.6	6.4055
Sb 206.834	3.0630	ppb	10.9318	356.9	5.3423
Se 196.026	6.5975	ppb	2.1723	32.9	6.9505
Sn 189.925	1.4430	ppb	2.1586	149.6	-0.1344
Sr 216.596	1520.34	ppb	2.6159	0.2	13093.6
Ti 334.941	-0.5211	ppb	0.0199	3.8	167.303
Tl 190.794	38.1107	ppb	6.8610	18.0	2.8475
V 292.401	62.3406	ppb	0.1360	0.2	1574.94
Zn 206.200	5.4266	ppb	1.3838	25.5	101505

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-a-3-b (Samp) 3/30/2013, 6:23:31 PM Rack 2, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1222	-0.6389u	0.1143
Al 308.215	75.9568	64.8121	89.8495
As 188.980	5.7089	-4.8151u	-1.5934u
B 249.678	-12.1023u	-13.9017u	-12.7696u
Ba 389.178	272.440	236.940	319.788
Be 313.042	0.0107	-0.0007	0.0108
Ca 370.602	55095	48487	64766
Cd 226.502	-0.3360	-0.2844	-0.3660
Co 228.615	108.156	94.0436	128.267
Cr 267.716	9.1136	7.7102	11.4274
Cu 324.754	2.8759	2.8905	4.4398
Fe 271.441	11510.4	10015.1	13545.7
K 766.491	3908.26	3520.44	4420.10
Mg 279.078	29977.6	26334.3	35279.2
Mn 257.610	13350.7	11708.8	15669.8
Mo 202.032	0.4772	-0.8930u	-0.1555u
Na 330.237	19006.3	17316.3	21926.3
Ni 231.604	69.4954	62.4761	83.7693
Pb 220.353	1.1771	1.3012	3.2809
Sb 206.834	-10.8398u	1.8361	-3.5413u
Se 196.026	-5.9738	-1.5080	-0.7980
Sn 189.925	-2.5481u	0.6395	2.0495
Sr 216.596	531.146	467.889	624.521
Ti 334.941	-0.4321	-0.3215	-0.1459
Tl 190.794	42.8878	27.1320	41.5019
V 292.401	5.4057	4.7961	6.1437
Zn 206.200	15.6448	12.4290	19.2278

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2156	ppb	0.3851	178.6	-57.5311
Al 308.215	76.8728	ppb	12.5438	16.3	475.096
As 188.980	-0.2332	ppb	5.3922	2312.2	1.7022
B 249.678	-12.9246	ppb	0.9096	7.0	113.139
Ba 389.178	276.389	ppb	41.5650	15.0	5683.38
Be 313.042	0.0069	ppb	0.0066	95.4	-122.583
Ca 370.602	56116	ppb	8187	14.6	159262
Cd 226.502	-0.3288	ppb	0.0413	12.5	29.4003
Co 228.615	110.155	ppb	17.1991	15.6	1178.76
Cr 267.716	9.4171	ppb	1.8771	19.9	423.525
Cu 324.754	3.4021	ppb	0.8987	26.4	238.204
Fe 271.441	11690.4	ppb	1772.18	15.2	18541.9
K 766.491	3949.60	ppb	451.252	11.4	167040
Mg 279.078	30530.4	ppb	4497.99	14.7	60810.5
Mn 257.610	13576.4	ppb	1990.10	14.7	2902939
Mo 202.032	-0.1904	ppb	0.6858	360.1	13.3738
Na 330.237	19416.3	ppb	2332.18	12.0	933.295
Ni 231.604	71.9136	ppb	10.8506	15.1	176.605
Pb 220.353	1.9197	ppb	1.1804	61.5	9.8989
Sb 206.834	-4.1817	ppb	6.3621	152.1	-2.0018
Se 196.026	-2.7599	ppb	2.8058	101.7	1.2224
Sn 189.925	0.0470	ppb	2.3554	5015.2	-1.1662
Sr 216.596	541.185	ppb	78.7970	14.6	4653.96
Ti 334.941	-0.2998	ppb	0.1444	48.1	10.9109
Tl 190.794	37.1739	ppb	8.7241	23.5	11.4453
V 292.401	5.4485	ppb	0.6749	12.4	144.566
Zn 206.200	15.7672	ppb	3.4910	21.6	25.6851

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 6:29:09 PM Rack 2, Tube 37

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	518.245	521.898	522.192
Al 308.215	5532.15	5536.81	5578.77
As 188.980	536.467	543.342	552.675
B 249.678	647.939	655.819	663.694
Ba 389.178	4631.20	4641.38	4650.46
Be 313.042	525.999	525.721	527.539
Ca 370.602	5117	5116	5137
Cd 226.502	510.821	511.531	514.891
Co 228.615	510.087	510.027	511.886
Cr 267.716	5110.63	5123.33	5153.92
Cu 324.754	5062.08	5018.01	5037.48
Fe 271.441	5474.70	5467.03	5474.03
K 766.491	11262.9	11230.2	11242.3
Mg 279.078	5673.92	5690.95	5706.19
Mn 257.610	5055.96	5066.17	5081.87
Mo 202.032	511.976	509.084	514.619
Na 330.237	8247.73	8371.06	8738.19
Ni 231.604	2587.81	2585.28	2607.34
Pb 220.353	526.143	528.874	525.524
Sb 206.834	1022.99	1028.11	1036.53
Se 196.026	5650.16	5693.96	5717.59
Sn 189.925	5238.18	5228.56	5245.54
Sr 216.596	2580.34	2582.67	2600.70
Ti 334.941	519.705	519.413	522.020
Tl 190.794	5153.40	5194.23	5203.55
V 292.401	5244.45	5238.49	5249.90
Zn 206.200	2642.11	2664.99	2668.44

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	520.779	ppb	2.1988	0.4	33093.6	104.15572
Al 308.215	5549.24	ppb	25.6742	0.5	25418.3	110.98487Q
As 188.980	544.161	ppb	8.1349	1.5	353.123	108.83226
B 249.678	655.817	ppb	7.8773	1.2	6393.94	26.23269Q
Ba 389.178	4641.01	ppb	9.6359	0.2	94306.5	92.82027
Be 313.042	526.420	ppb	0.9794	0.2	990716	105.28397
Ca 370.602	5124	ppb	11.97	0.2	14424	102.47280
Cd 226.502	512.415	ppb	2.1740	0.4	17228.6	102.48293
Co 228.615	510.667	ppb	1.0566	0.2	5422.84	102.13335
Cr 267.716	5129.29	ppb	22.2506	0.4	200743	102.58585
Cu 324.754	5039.19	ppb	22.0861	0.4	221503	100.78377
Fe 271.441	5471.92	ppb	4.2499	0.1	8796.50	109.43837
K 766.491	11245.1	ppb	16.5548	0.1	475173	112.45135Q
Mg 279.078	5690.35	ppb	16.1431	0.3	11319.3	113.80706Q
Mn 257.610	5068.00	ppb	13.0524	0.3	1083666	101.36002
Mo 202.032	511.893	ppb	2.7685	0.5	2961.12	102.37852
Na 330.237	8452.33	ppb	255.130	3.0	385.804	112.69769Q
Ni 231.604	2593.48	ppb	12.0723	0.5	6278.27	103.73909
Pb 220.353	526.847	ppb	1.7821	0.3	772.879	105.36940
Sb 206.834	1029.21	ppb	6.8337	0.7	804.254	102.92119
Se 196.026	5687.24	ppb	34.2130	0.6	2645.89	113.74478Q
Sn 189.925	5237.43	ppb	8.5142	0.2	3589.49	104.74851
Sr 216.596	2587.90	ppb	11.1449	0.4	22130.4	103.51619
Ti 334.941	520.379	ppb	1.4284	0.3	115832	104.07584
Tl 190.794	5183.73	ppb	26.6753	0.5	4600.26	103.67457
V 292.401	5244.28	ppb	5.7098	0.1	131411	104.88560
Zn 206.200	2658.51	ppb	14.3994	0.5	2985.30	106.34060

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 6:34:35 PM Rack 2, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7641u	0.4468	0.6819
Al 308.215	6.2278	3.2181	3.3201
As 188.980	-9.0957u	1.5560	-3.0925u
B 249.678	-0.7588u	-2.3073u	-2.8816u
Ba 389.178	0.3552	0.2847	-1.2106u
Be 313.042	-0.0583u	-0.0479u	-0.0595u
Ca 370.602	3.504	5.132	0.3676
Cd 226.502	-0.1729u	0.1475	-0.2140u
Co 228.615	0.2961	-0.1834u	-0.3614u
Cr 267.716	0.0734	-0.3065u	0.0157
Cu 324.754	-0.7163u	-0.8301u	-1.1399u
Fe 271.441	-9.3033u	0.1707	4.6378
K 766.491	0.0802	-0.2219u	-0.0961u
Mg 279.078	5.5783	2.0095	4.6511
Mn 257.610	0.1231	0.1359	0.1306
Mo 202.032	1.2425	-0.1549u	0.9043
Na 330.237	-178.663u	143.391	-234.913u
Ni 231.604	-0.7490u	-0.4616u	1.5848
Pb 220.353	-0.5625u	0.9730	-1.9929u
Sb 206.834	1.8667	5.6676	0.1274
Se 196.026	-1.5506u	6.6907	3.8984
Sn 189.925	3.7160	0.3918	-0.5996u
Sr 216.596	0.0289	-0.5144u	0.1911
Ti 334.941	-0.2000u	-0.1421u	-0.2354u
Tl 190.794	3.7927	-0.7156u	4.7143
V 292.401	-0.7107u	0.1307	-0.3614u
Zn 206.200	0.4328	-1.2884u	-0.3848u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1216	ppb	0.7760	638.4	-68.0768	0.12156
Al 308.215	4.2553	ppb	1.7090	40.2	143.965	4.25532
As 188.980	-3.5441	ppb	5.3402	150.7	-0.8132	-3.54408
B 249.678	-1.9826	ppb	1.0980	55.4	226.744	-1.98256
Ba 389.178	-0.1902	ppb	0.8843	464.9	-20.8908	-0.19023
Be 313.042	-0.0552	ppb	0.0064	11.5	-251.253	-0.05523
Ca 370.602	3.001	ppb	2.422	80.7	-11.28	3.00127
Cd 226.502	-0.0798	ppb	0.1979	247.9	11.9384	-0.07983
Co 228.615	-0.0829	ppb	0.3400	410.1	13.1985	-0.08291
Cr 267.716	-0.0725	ppb	0.2047	282.5	1.6230	-0.07247
Cu 324.754	-0.8954	ppb	0.2193	24.5	46.3664	-0.89545
Fe 271.441	-1.4983	ppb	7.1188	475.1	7.2264	-1.49828
K 766.491	-0.0793	ppb	0.1518	191.5	221.778	-0.07926
Mg 279.078	4.0796	ppb	1.8518	45.4	38.7928	4.07962
Mn 257.610	0.1299	ppb	0.0064	5.0	95.3736	0.12985
Mo 202.032	0.6640	ppb	0.7290	109.8	18.7797	0.66396
Na 330.237	-90.0616	ppb	204.123	226.6	-0.9308	-90.06160
Ni 231.604	0.1248	ppb	1.2726	1020.0	2.6647	0.12476
Pb 220.353	-0.5275	ppb	1.4833	281.2	3.7805	-0.52747
Sb 206.834	2.5539	ppb	2.8333	110.9	2.7474	2.55391
Se 196.026	3.0128	ppb	4.1914	139.1	0.6755	3.01281
Sn 189.925	1.1694	ppb	2.2604	193.3	-0.4218	1.16938
Sr 216.596	-0.0981	ppb	0.3695	376.5	10.0709	-0.09814
Ti 334.941	-0.1925	ppb	0.0471	24.5	-75.3414	-0.19251
Tl 190.794	2.5971	ppb	2.9057	111.9	-1.0641	2.59714
V 292.401	-0.3138	ppb	0.4227	134.7	0.0410	-0.31381
Zn 206.200	-0.4135	ppb	0.8610	208.3	-1.3781	-0.41351

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-a-4-b (Samp) 3/30/2013, 6:40:01 PM Rack 2, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5123u	-2.0567u	-0.6986u
Al 308.215	16.5915	12.3674	13.2848
As 188.980	-1.9851u	-8.4158u	-1.6068u
B 249.678	-8.6084u	-9.6267u	-9.6991u
Ba 389.178	83.7803	85.3541	84.4470
Be 313.042	-0.0599u	-0.0520u	-0.0663u
Ca 370.602	55702	55499	55549
Cd 226.502	-0.3311	0.0194	-0.5166
Co 228.615	16.1980	18.1875	16.7798
Cr 267.716	-0.1794	0.3628	-0.1347
Cu 324.754	0.0122	0.2035	-0.0453
Fe 271.441	10907.5	10925.0	10912.7
K 766.491	1785.54	1787.32	1776.25
Mg 279.078	20876.9	20862.6	20914.4
Mn 257.610	6634.98	6637.58	6647.47
Mo 202.032	2.7101	2.3502	2.3341
Na 330.237	10113.4	10300.2	10797.7
Ni 231.604	1.8792	1.9556	-0.9963u
Pb 220.353	-4.4181u	1.2563	-2.1934u
Sb 206.834	0.3533	-2.2227u	-0.4550u
Se 196.026	-0.5809	8.4950	8.2808
Sn 189.925	2.8657	4.1423	1.6673
Sr 216.596	427.183	422.861	424.289
Ti 334.941	-0.2543	-0.1702	-0.1131
Tl 190.794	19.7736	22.3943	13.5622
V 292.401	0.0001u	0.4252	-0.1822u
Zn 206.200	1.3336	2.1183	0.7435

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0892	ppb	0.8430	77.4	-136.000
Al 308.215	14.0812	ppb	2.2218	15.8	189.002
As 188.980	-4.0026	ppb	3.8267	95.6	-0.7302
B 249.678	-9.3114	ppb	0.6099	6.6	147.774
Ba 389.178	84.5271	ppb	0.7900	0.9	1762.15
Be 313.042	-0.0594	ppb	0.0072	12.1	-244.178
Ca 370.602	55584	ppb	105.6	0.2	157627
Cd 226.502	-0.2761	ppb	0.2722	98.6	29.3884
Co 228.615	17.0551	ppb	1.0229	6.0	194.052
Cr 267.716	0.0162	ppb	0.3010	1853.0	30.8123
Cu 324.754	0.0568	ppb	0.1303	229.3	91.0992
Fe 271.441	10915.1	ppb	8.9909	0.1	17300.1
K 766.491	1783.04	ppb	5.9426	0.3	75533.3
Mg 279.078	20884.6	ppb	26.7546	0.1	41648.6
Mn 257.610	6640.01	ppb	6.5918	0.1	1419862
Mo 202.032	2.4648	ppb	0.2126	8.6	28.7372
Na 330.237	10403.8	ppb	353.696	3.4	500.409
Ni 231.604	0.9461	ppb	1.6827	177.8	4.8607
Pb 220.353	-1.7851	ppb	2.8591	160.2	3.2016
Sb 206.834	-0.7748	ppb	1.3175	170.0	0.4310
Se 196.026	5.3983	ppb	5.1792	95.9	3.3944
Sn 189.925	2.8918	ppb	1.2377	42.8	0.7814
Sr 216.596	424.778	ppb	2.2023	0.5	3657.46
Ti 334.941	-0.1792	ppb	0.0711	39.7	3.5208
Tl 190.794	18.5767	ppb	4.5361	24.4	3.9699
V 292.401	0.0810	ppb	0.3116	384.6	9.7304
Zn 206.200	1.3985	ppb	0.6987	49.3	4.1024

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88586-a-5-b (Samp) 3/30/2013, 6:45:26 PM Rack 2, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8496u	-0.7855u	-1.3564u
Al 308.215	9.6721	8.5620	9.1615
As 188.980	-3.9919u	-10.0518u	2.7384
B 249.678	-13.5417u	-12.5661u	-15.0644u
Ba 389.178	89.3310	90.3955	89.7340
Be 313.042	-0.0695u	-0.0548u	-0.0589u
Ca 370.602	58710	58537	58559
Cd 226.502	-0.3994	-0.3009	-0.3072
Co 228.615	17.4549	18.9228	18.1957
Cr 267.716	0.3940	0.1359	0.2468
Cu 324.754	-0.1605u	-1.3663u	0.9524
Fe 271.441	11504.5	11500.0	11530.8
K 766.491	1881.90	1883.17	1881.51
Mg 279.078	22059.4	21998.0	22050.6
Mn 257.610	7010.44	6985.60	6998.40
Mo 202.032	2.7619	3.8319	4.3373
Na 330.237	11304.4	11122.2	11452.6
Ni 231.604	1.3688	1.2138	3.2095
Pb 220.353	-3.4780u	0.0016	-1.7132u
Sb 206.834	6.4913	-3.5472u	-7.3351u
Se 196.026	0.6596	2.6159	11.5364
Sn 189.925	-3.4387u	-2.9274u	-2.9156u
Sr 216.596	450.201	449.035	448.904
Ti 334.941	-0.1270	-0.1392	-0.2714
Tl 190.794	26.3830	23.6392	18.9093
V 292.401	-0.5702u	0.0499	-0.7526u
Zn 206.200	0.4467	1.3992	1.2807

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9972	ppb	0.3128	31.4	-129.580
Al 308.215	9.1319	ppb	0.5557	6.1	166.483
As 188.980	-3.7684	ppb	6.3980	169.8	-0.5584
B 249.678	-13.7241	ppb	1.2591	9.2	105.810
Ba 389.178	89.8202	ppb	0.5374	0.6	1873.08
Be 313.042	-0.0611	ppb	0.0076	12.5	-246.650
Ca 370.602	58602	ppb	94.53	0.2	166188
Cd 226.502	-0.3358	ppb	0.0552	16.4	28.6981
Co 228.615	18.1911	ppb	0.7340	4.0	206.036
Cr 267.716	0.2589	ppb	0.1295	50.0	41.7077
Cu 324.754	-0.1915	ppb	1.1597	605.7	80.3602
Fe 271.441	11511.8	ppb	16.6534	0.1	18245.5
K 766.491	1882.19	ppb	0.8665	0.0	79721.2
Mg 279.078	22036.0	ppb	33.1893	0.2	43943.1
Mn 257.610	6998.15	ppb	12.4184	0.2	1496440
Mo 202.032	3.6437	ppb	0.8044	22.1	35.5179
Na 330.237	11293.1	ppb	165.512	1.5	542.988
Ni 231.604	1.9307	ppb	1.1102	57.5	7.2545
Pb 220.353	-1.7299	ppb	1.7399	100.6	3.3492
Sb 206.834	-1.4637	ppb	7.1448	488.1	-0.0772
Se 196.026	4.9373	ppb	5.7981	117.4	3.2669
Sn 189.925	-3.0939	ppb	0.2987	9.7	-3.3210
Sr 216.596	449.380	ppb	0.7137	0.2	3868.62
Ti 334.941	-0.1792	ppb	0.0801	44.7	7.6616
Tl 190.794	22.9771	ppb	3.7806	16.5	7.3863
V 292.401	-0.4243	ppb	0.4207	99.1	-3.0531
Zn 206.200	1.0422	ppb	0.5191	49.8	2.5664

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88701-a-1-a (Samp) 3/30/2013, 6:50:52 PM Rack 2, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0076	-0.7475u	-0.5680u
Al 308.215	10.4288	10.3399	18.4960
As 188.980	2.3670	-9.5384u	-3.7453u
B 249.678	-15.6246u	-16.0264u	-16.8311u
Ba 389.178	68.5254	68.7130	69.5286
Be 313.042	-0.0631u	-0.0675u	-0.0640u
Ca 370.602	76524	76469	76350
Cd 226.502	-0.5694	-0.6143	-0.5813
Co 228.615	20.3298	21.3176	21.2481
Cr 267.716	0.3316	0.4192	0.4257
Cu 324.754	1.4767	1.9745	-0.1869u
Fe 271.441	24257.8	24296.2	24371.1
K 766.491	2152.98	2155.65	2157.58
Mg 279.078	26009.4	26041.2	26005.3
Mn 257.610	8030.59	8032.75	8040.92
Mo 202.032	7.7556	6.6184	5.5460
Na 330.237	10917.1	10744.1	10848.6
Ni 231.604	-0.2342u	2.2983	3.3354
Pb 220.353	0.1025	-3.7219u	-3.1467u
Sb 206.834	1.9836	-1.6028u	8.4149
Se 196.026	-7.0402u	4.7321	-8.2043u
Sn 189.925	6.2283	1.3556	-2.8475u
Sr 216.596	508.739	508.704	505.497
Ti 334.941	-0.2766	-0.1709	-0.1606
Tl 190.794	26.9674	17.5381	21.7158
V 292.401	0.3159	0.4579	-1.0076u
Zn 206.200	7.2231	3.0717	5.4252

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4359	ppb	0.3945	90.5	-92.0821
Al 308.215	13.0882	ppb	4.6835	35.8	184.875
As 188.980	-3.6389	ppb	5.9534	163.6	-0.4523
B 249.678	-16.1607	ppb	0.6144	3.8	70.9823
Ba 389.178	68.9223	ppb	0.5333	0.8	1473.63
Be 313.042	-0.0649	ppb	0.0024	3.6	-248.688
Ca 370.602	76448	ppb	88.83	0.1	216099
Cd 226.502	-0.5883	ppb	0.0232	4.0	48.2406
Co 228.615	20.9652	ppb	0.5514	2.6	234.873
Cr 267.716	0.3921	ppb	0.0526	13.4	53.0409
Cu 324.754	1.0881	ppb	1.1319	104.0	139.997
Fe 271.441	24308.3	ppb	57.6176	0.2	38514.1
K 766.491	2155.40	ppb	2.3130	0.1	91260.3
Mg 279.078	26018.6	ppb	19.6179	0.1	51884.8
Mn 257.610	8034.75	ppb	5.4477	0.1	1718124
Mo 202.032	6.6400	ppb	1.1050	16.6	52.2997
Na 330.237	10836.6	ppb	87.1321	0.8	517.440
Ni 231.604	1.7998	ppb	1.8363	102.0	7.1823
Pb 220.353	-2.2554	ppb	2.0621	91.4	2.7752
Sb 206.834	2.9319	ppb	5.0757	173.1	3.3832
Se 196.026	-3.5041	ppb	7.1565	204.2	-0.3473
Sn 189.925	1.5788	ppb	4.5420	287.7	-0.1116
Sr 216.596	507.647	ppb	1.8618	0.4	4373.25
Ti 334.941	-0.2027	ppb	0.0642	31.7	18.0356
Tl 190.794	22.0738	ppb	4.7248	21.4	4.6443
V 292.401	-0.0779	ppb	0.8083	1037.0	5.0997
Zn 206.200	5.2400	ppb	2.0919	39.7	9.8795

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88701-a-2-a (Samp) 3/30/2013, 6:56:17 PM Rack 2, Tube 42

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8332u	-1.6969u	-1.6167u
Al 308.215	38.9303	39.1807	43.3854
As 188.980	3.1521	-3.0366	7.7203
B 249.678	66.6849	66.0044	68.8042
Ba 389.178	323.372	326.086	328.012
Be 313.042	-0.1053u	-0.1195u	-0.0980u
Ca 370.602	291405	291053	290492
Cd 226.502	-0.0352	0.0210	0.0695
Co 228.615	8.7187	8.0007	8.9568
Cr 267.716	0.5903	1.2808	0.7138
Cu 324.754	-0.8020u	-0.0401	-0.7747u
Fe 271.441	7584.45	7597.17	7599.60
K 766.491	3215.47	3221.32	3223.34
Mg 279.078	41733.8	41629.7	41738.2
Mn 257.610	2003.91	2000.22	2005.90
Mo 202.032	2.8507	1.1546	2.8222
Na 330.237	31957.0	31900.3	32097.6
Ni 231.604	14.8334	15.8615	17.1242
Pb 220.353	-2.4805u	-0.4290u	3.0055
Sb 206.834	9.9224	6.7939	-4.3955u
Se 196.026	1.8243	4.9893	3.7973
Sn 189.925	-5.8640u	0.5820	2.2108
Sr 216.596	763.534	761.542	762.862
Ti 334.941	0.6133	0.8518	0.6221
Tl 190.794	6.0239	10.9149	6.0544
V 292.401	-1.1200u	-1.1340u	-0.7426u
Zn 206.200	21.4359	21.4335	19.1703

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.3822	ppb	0.4772	34.5	-186.302
Al 308.215	40.4988	ppb	2.5030	6.2	309.488
As 188.980	2.6119	ppb	5.3988	206.7	5.6753
B 249.678	67.1645	ppb	1.4603	2.2	868.487
Ba 389.178	325.823	ppb	2.3313	0.7	6708.71
Be 313.042	-0.1076	ppb	0.0110	10.2	-254.845
Ca 370.602	290984	ppb	460.4	0.2	828054
Cd 226.502	0.0184	ppb	0.0524	284.4	32.1315
Co 228.615	8.5587	ppb	0.4977	5.8	104.340
Cr 267.716	0.8616	ppb	0.3682	42.7	47.2060
Cu 324.754	-0.5390	ppb	0.4322	80.2	64.0535
Fe 271.441	7593.74	ppb	8.1373	0.1	12038.3
K 766.491	3220.04	ppb	4.0849	0.1	136226
Mg 279.078	41700.5	ppb	61.4070	0.1	83298.5
Mn 257.610	2003.34	ppb	2.8834	0.1	428638
Mo 202.032	2.2758	ppb	0.9711	42.7	27.7809
Na 330.237	31985.0	ppb	101.564	0.3	1538.54
Ni 231.604	15.9397	ppb	1.1474	7.2	41.0791
Pb 220.353	0.0320	ppb	2.7719	8654.8	4.9721
Sb 206.834	4.1070	ppb	7.5276	183.3	4.0211
Se 196.026	3.5370	ppb	1.5985	45.2	1.4287
Sn 189.925	-1.0238	ppb	4.2702	417.1	-1.8146
Sr 216.596	762.646	ppb	1.0133	0.1	6569.49
Ti 334.941	0.6957	ppb	0.1352	19.4	272.245
Tl 190.794	7.6644	ppb	2.8151	36.7	0.4773
V 292.401	-0.9989	ppb	0.2221	22.2	-17.2804
Zn 206.200	20.6799	ppb	1.3973	6.3	33.0997

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88701-a-3-a (Samp) **3/30/2013, 7:01:43 PM** **Rack 2, Tube 43****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6773u	-0.5241u	-1.1080u
Al 308.215	45.3414	42.6959	47.8856
As 188.980	2.7246	2.5007	1.2328
B 249.678	68.4457	67.7367	69.9481
Ba 389.178	324.986	319.531	324.027
Be 313.042	-0.0682u	-0.0712u	-0.0672u
Ca 370.602	290145	286551	288713
Cd 226.502	-0.0601	-0.2874	0.0482
Co 228.615	8.6424	7.8983	8.1993
Cr 267.716	0.7765	0.0116	0.9159
Cu 324.754	1.6416	2.1346	1.4549
Fe 271.441	8212.36	8096.60	8161.89
K 766.491	3244.43	3205.63	3243.02
Mg 279.078	41865.9	41297.8	41697.3
Mn 257.610	2027.97	2000.23	2019.60
Mo 202.032	3.6285	2.2184	1.9189
Na 330.237	31904.2	31496.5	31485.9
Ni 231.604	17.3098	17.2723	17.6668
Pb 220.353	-3.2783u	6.7067	-0.1312
Sb 206.834	-6.3679u	-19.0839u	0.6578
Se 196.026	5.4779	-1.8382u	-8.2615u
Sn 189.925	4.5525	1.3481	3.2262
Sr 216.596	761.509	748.529	754.677
Ti 334.941	0.8457	0.8432	0.8199
Tl 190.794	4.9178	8.5341	1.6546u
V 292.401	-0.4204u	-0.4140u	-1.3084u
Zn 206.200	17.5991	22.6227	22.8108

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7698	ppb	0.3027	39.3	-146.996
Al 308.215	45.3076	ppb	2.5951	5.7	331.442
As 188.980	2.1527	ppb	0.8045	37.4	5.3513
B 249.678	68.7102	ppb	1.1292	1.6	882.456
Ba 389.178	322.848	ppb	2.9121	0.9	6648.75
Be 313.042	-0.0689	ppb	0.0021	3.0	-182.806
Ca 370.602	288470	ppb	1809	0.6	820854
Cd 226.502	-0.0998	ppb	0.1713	171.7	29.4150
Co 228.615	8.2467	ppb	0.3743	4.5	101.015
Cr 267.716	0.5680	ppb	0.4868	85.7	35.8620
Cu 324.754	1.7437	ppb	0.3511	20.1	164.517
Fe 271.441	8156.95	ppb	58.0400	0.7	12930.4
K 766.491	3231.03	ppb	22.0038	0.7	136690
Mg 279.078	41620.3	ppb	291.757	0.7	83138.2
Mn 257.610	2015.94	ppb	14.2283	0.7	431331
Mo 202.032	2.5886	ppb	0.9129	35.3	29.5627
Na 330.237	31628.9	ppb	238.513	0.8	1521.26
Ni 231.604	17.4163	ppb	0.2178	1.3	44.6632
Pb 220.353	1.0991	ppb	5.1049	464.5	6.5305
Sb 206.834	-8.2647	ppb	10.0066	121.1	-5.1950
Se 196.026	-1.5406	ppb	6.8745	446.2	-0.9270
Sn 189.925	3.0423	ppb	1.6101	52.9	0.9721
Sr 216.596	754.905	ppb	6.4927	0.9	6503.15
Ti 334.941	0.8363	ppb	0.0142	1.7	303.246
Tl 190.794	5.0355	ppb	3.4413	68.3	-1.9025
V 292.401	-0.7143	ppb	0.5145	72.0	-10.1589
Zn 206.200	21.0109	ppb	2.9561	14.1	23.5977

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88701-a-3-aSD^5 (Samp) **3/30/2013, 7:07:08 PM** **Rack 2, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.0411u	-2.2319u	-1.2797u
Al 308.215	16.3150	16.7294	14.0563
As 188.980	-8.6357u	-6.0948u	-6.7880u
B 249.678	1.5770	3.1484	0.4624
Ba 389.178	62.7910	62.6572	61.9149
Be 313.042	-0.0746u	-0.0513u	-0.0615u
Ca 370.602	58995	59226	59229
Cd 226.502	-0.3074u	0.1927	-0.0123
Co 228.615	1.2470	1.9249	0.8891
Cr 267.716	-0.2452u	-0.0660u	0.1993
Cu 324.754	-0.1693u	0.8118	-0.2179u
Fe 271.441	1695.83	1702.28	1699.25
K 766.491	587.799	594.360	595.663
Mg 279.078	8476.23	8534.15	8508.15
Mn 257.610	416.722	418.845	418.551
Mo 202.032	0.4229	0.3349	1.0765
Na 330.237	6003.92	5987.70	6160.52
Ni 231.604	2.9163	3.2014	3.5562
Pb 220.353	3.2578	-3.4338u	1.3818
Sb 206.834	2.6170	-1.1781u	-8.9833u
Se 196.026	-1.2625u	6.1893	-1.3299u
Sn 189.925	1.3581	-1.1439u	2.3073
Sr 216.596	155.846	157.109	155.822
Ti 334.941	0.1588	0.0261	-0.0472
Tl 190.794	5.6146	10.7969	4.8735
V 292.401	-1.1539u	-0.7264u	-0.4788u
Zn 206.200	5.7497	4.6326	4.2820

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5176	ppb	0.6301	41.5	-177.176
Al 308.215	15.7002	ppb	1.4387	9.2	196.163
As 188.980	-7.1728	ppb	1.3134	18.3	-2.6496
B 249.678	1.7293	ppb	1.3495	78.0	259.975
Ba 389.178	62.4544	ppb	0.4719	0.8	1273.66
Be 313.042	-0.0625	ppb	0.0117	18.8	-245.371
Ca 370.602	59150	ppb	134.3	0.2	168296
Cd 226.502	-0.0423	ppb	0.2514	594.2	17.0014
Co 228.615	1.3536	ppb	0.5261	38.9	28.3501
Cr 267.716	-0.0373	ppb	0.2236	599.8	4.9012
Cu 324.754	0.1415	ppb	0.5810	410.5	92.3818
Fe 271.441	1699.12	ppb	3.2257	0.2	2701.03
K 766.491	592.607	ppb	4.2145	0.7	25254.4
Mg 279.078	8506.18	ppb	29.0138	0.3	17015.7
Mn 257.610	418.040	ppb	1.1503	0.3	89496.9
Mo 202.032	0.6114	ppb	0.4052	66.3	18.4092
Na 330.237	6050.71	ppb	95.4375	1.6	293.720
Ni 231.604	3.2247	ppb	0.3206	9.9	10.1986
Pb 220.353	0.4019	ppb	3.4517	858.8	5.2150
Sb 206.834	-2.5148	ppb	5.9145	235.2	-1.0012
Se 196.026	1.1990	ppb	4.3219	360.5	-0.0612
Sn 189.925	0.8405	ppb	1.7829	212.1	-0.6248
Sr 216.596	156.259	ppb	0.7364	0.5	1354.76
Ti 334.941	0.0459	ppb	0.1044	227.5	8.3092
Tl 190.794	7.0950	ppb	3.2273	45.5	2.3102
V 292.401	-0.7864	ppb	0.3415	43.4	-11.7505
Zn 206.200	4.8881	ppb	0.7665	15.7	9.3515

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88701-a-3-aPDS (Samp) **3/30/2013, 7:12:34 PM** **Rack 2, Tube 45****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	54.1129	53.7738	52.7699
Al 308.215	2298.64	2301.57	2301.84
As 188.980	2527.37	2549.69	2530.37
B 249.678	1365.29	1375.36	1387.30
Ba 389.178	2335.15	2336.75	2341.72
Be 313.042	57.9531	57.9875	58.1045
Ca 370.602	291457	291938	292491
Cd 226.502	56.1714	56.1695	55.7694
Co 228.615	554.626	567.628	563.845
Cr 267.716	222.866	223.464	223.237
Cu 324.754	283.550	285.435	285.008
Fe 271.441	9210.09	9215.80	9220.04
K 766.491	10200.4	10205.1	10235.9
Mg 279.078	47585.9	47577.9	47603.8
Mn 257.610	2561.70	2562.66	2561.75
Mo 202.032	536.020	540.545	538.667
Na 330.237	38137.6	38143.6	37791.1
Ni 231.604	568.825	564.235	567.040
Pb 220.353	531.580	536.778	537.148
Sb 206.834	540.562	547.949	545.766
Se 196.026	2454.45	2445.52	2426.82
Sn 189.925	1087.75	1097.63	1093.88
Sr 216.596	1291.97	1292.94	1295.10
Ti 334.941	1054.98	1055.39	1056.94
Tl 190.794	2141.37	2157.81	2141.79
V 292.401	542.030	540.565	541.576
Zn 206.200	587.177	589.240	591.882

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	53.5522	ppb	0.6984	1.3	3302.70
Al 308.215	2300.68	ppb	1.7757	0.1	10668.9
As 188.980	2535.81	ppb	12.1107	0.5	1643.23
B 249.678	1375.98	ppb	11.0163	0.8	13148.0
Ba 389.178	2337.88	ppb	3.4280	0.1	47606.5
Be 313.042	58.0150	ppb	0.0794	0.1	109072
Ca 370.602	291962	ppb	517.9	0.2	830908
Cd 226.502	56.0368	ppb	0.2316	0.4	1916.42
Co 228.615	562.033	ppb	6.6876	1.2	5965.94
Cr 267.716	223.189	ppb	0.3018	0.1	8748.61
Cu 324.754	284.664	ppb	0.9880	0.3	12606.2
Fe 271.441	9215.31	ppb	4.9913	0.1	14692.2
K 766.491	10213.8	ppb	19.2491	0.2	431614
Mg 279.078	47589.2	ppb	13.2562	0.0	95052.4
Mn 257.610	2562.03	ppb	0.5390	0.0	548124
Mo 202.032	538.410	ppb	2.2735	0.4	3121.06
Na 330.237	38024.1	ppb	201.816	0.5	1816.80
Ni 231.604	566.700	ppb	2.3139	0.4	1373.86
Pb 220.353	535.168	ppb	3.1134	0.6	784.294
Sb 206.834	544.759	ppb	3.7954	0.7	403.778
Se 196.026	2442.26	ppb	14.1003	0.6	1135.94
Sn 189.925	1093.09	ppb	4.9854	0.5	748.295
Sr 216.596	1293.34	ppb	1.6051	0.1	11092.8
Ti 334.941	1055.77	ppb	1.0309	0.1	235167
Tl 190.794	2146.99	ppb	9.3712	0.4	1901.74
V 292.401	541.390	ppb	0.7501	0.1	13517.1
Zn 206.200	589.433	ppb	2.3585	0.4	887.836

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88701-a-3-b ms (Samp) **3/30/2013, 7:18:00 PM** **Rack 2, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.6828	8.2486	9.9696
Al 308.215	10960.3	10976.2	10968.9
As 188.980	122.812	130.421	125.801
B 249.678	415.272	412.502	411.508
Ba 389.178	102.232	103.578	103.462
Be 313.042	57.7716	57.9219	57.9342
Ca 370.602	583211	586737	586920
Cd 226.502	59.1186	59.3986	58.7929
Co 228.615	231.100	232.470	233.549
Cr 267.716	112.833	113.194	112.595
Cu 324.754	344.472	348.644	347.209
Fe 271.441	8912.70	8939.01	8928.19
K 766.491	15044.8	15086.8	15099.2
Mg 279.078	38251.7	38287.4	38273.4
Mn 257.610	1189.22	1190.84	1188.76
Mo 202.032	105.193	105.264	105.648
Na 330.237	95283.2	95117.7	95676.0
Ni 231.604	401.902	403.867	400.348
Pb 220.353	51.3195	51.7397	55.7864
Sb 206.834	53.6574	47.3475	50.8053
Se 196.026	135.718	130.265	126.621
Sn 189.925	206.796	201.074	204.143
Sr 216.596	236.863	236.307	235.799
Ti 334.941	104.478	104.875	104.517
Tl 190.794	42.4828	43.9199	49.8661
V 292.401	102.553	103.524	103.296
Zn 206.200	303.872	303.429	311.596

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	9.3003	ppb	0.9220	9.9	512.045
Al 308.215	10968.5	ppb	7.9479	0.1	50168.8
As 188.980	126.345	ppb	3.8333	3.0	88.2505
B 249.678	413.094	ppb	1.9507	0.5	4113.21
Ba 389.178	103.090	ppb	0.7459	0.7	2177.88
Be 313.042	57.8759	ppb	0.0905	0.2	108992
Ca 370.602	585622	ppb	2091	0.4	1666936
Cd 226.502	59.1034	ppb	0.3031	0.5	2018.24
Co 228.615	232.373	ppb	1.2272	0.5	2470.80
Cr 267.716	112.874	ppb	0.3014	0.3	4428.74
Cu 324.754	346.775	ppb	2.1198	0.6	15328.9
Fe 271.441	8926.64	ppb	13.2231	0.1	14182.9
K 766.491	15076.9	ppb	28.5382	0.2	637012
Mg 279.078	38270.8	ppb	17.9700	0.0	76457.2
Mn 257.610	1189.61	ppb	1.0963	0.1	254646
Mo 202.032	105.368	ppb	0.2446	0.2	622.542
Na 330.237	95359.0	ppb	286.792	0.3	4581.61
Ni 231.604	402.039	ppb	1.7637	0.4	975.408
Pb 220.353	52.9485	ppb	2.4667	4.7	81.5879
Sb 206.834	50.6034	ppb	3.1598	6.2	38.8539
Se 196.026	130.868	ppb	4.5785	3.5	60.4742
Sn 189.925	204.004	ppb	2.8639	1.4	138.872
Sr 216.596	236.323	ppb	0.5324	0.2	2077.38
Ti 334.941	104.623	ppb	0.2191	0.2	23392.1
Tl 190.794	45.4229	ppb	3.9144	8.6	35.1572
V 292.401	103.124	ppb	0.5078	0.5	2575.03
Zn 206.200	306.299	ppb	4.5926	1.5	462.333

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88701-a-3-c msd (Samp) **3/30/2013, 7:23:26 PM** **Rack 2, Tube 47****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	20.5986	20.9690	20.4271
Al 308.215	11569.3	11539.8	11565.7
As 188.980	138.233	138.022	137.963
B 249.678	417.380	418.441	420.438
Ba 389.178	106.804	104.985	106.361
Be 313.042	59.6889	59.6172	59.8111
Ca 370.602	626731	626080	627207
Cd 226.502	61.0456	61.1773	61.1623
Co 228.615	248.148	245.154	246.903
Cr 267.716	117.177	116.891	116.363
Cu 324.754	365.976	367.258	369.514
Fe 271.441	9318.32	9309.83	9332.61
K 766.491	16496.8	16468.7	16536.3
Mg 279.078	40941.7	40919.2	40962.5
Mn 257.610	1256.66	1254.88	1257.41
Mo 202.032	107.277	107.521	105.831
Na 330.237	103424	103713	103376
Ni 231.604	424.336	426.623	427.324
Pb 220.353	49.5335	48.8147	52.6999
Sb 206.834	56.3748	64.9064	66.1913
Se 196.026	141.576	136.884	124.381
Sn 189.925	210.857	209.302	207.847
Sr 216.596	252.546	252.028	252.862
Ti 334.941	106.571	106.612	106.854
Tl 190.794	43.0734	37.1770	44.1571
V 292.401	105.854	106.214	106.373
Zn 206.200	328.807	320.917	323.093

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.6649	ppb	0.2769	1.3	1236.61
Al 308.215	11558.2	ppb	16.1193	0.1	52859.4
As 188.980	138.073	ppb	0.1419	0.1	96.1952
B 249.678	418.753	ppb	1.5525	0.4	4165.94
Ba 389.178	106.050	ppb	0.9484	0.9	2244.65
Be 313.042	59.7058	ppb	0.0981	0.2	112450
Ca 370.602	626673	ppb	566.1	0.1	1783800
Cd 226.502	61.1284	ppb	0.0721	0.1	2087.07
Co 228.615	246.735	ppb	1.5040	0.6	2622.68
Cr 267.716	116.810	ppb	0.4126	0.4	4583.22
Cu 324.754	367.582	ppb	1.7911	0.5	16243.4
Fe 271.441	9320.25	ppb	11.5118	0.1	14808.7
K 766.491	16500.6	ppb	33.9891	0.2	697142
Mg 279.078	40941.1	ppb	21.6780	0.1	81790.0
Mn 257.610	1256.31	ppb	1.3027	0.1	268925
Mo 202.032	106.876	ppb	0.9134	0.9	631.224
Na 330.237	103504	ppb	182.018	0.2	4972.89
Ni 231.604	426.094	ppb	1.5626	0.4	1033.62
Pb 220.353	50.3494	ppb	2.0671	4.1	77.7927
Sb 206.834	62.4908	ppb	5.3355	8.5	47.7442
Se 196.026	134.280	ppb	8.8883	6.6	62.0790
Sn 189.925	209.335	ppb	1.5053	0.7	142.543
Sr 216.596	252.479	ppb	0.4214	0.2	2218.89
Ti 334.941	106.679	ppb	0.1531	0.1	23858.8
Tl 190.794	41.4692	ppb	3.7564	9.1	31.5452
V 292.401	106.147	ppb	0.2660	0.3	2650.45
Zn 206.200	324.272	ppb	4.0750	1.3	489.353

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88701-a-4-a (Samp) 3/30/2013, 7:28:52 PM Rack 2, Tube 48

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1950u	-0.6246u	-1.1437u
Al 308.215	276.736	279.473	274.203
As 188.980	6.0911	-5.2764	9.3237
B 249.678	715.787	720.410	721.510
Ba 389.178	123.612	122.448	123.017
Be 313.042	-0.0272	-0.0406	-0.0308
Ca 370.602	384627	387336	387452
Cd 226.502	1.4669	1.9285	1.7300
Co 228.615	13.1416	13.9794	13.7262
Cr 267.716	47.8163	47.9919	48.0516
Cu 324.754	8.7817	9.6672	9.3580
Fe 271.441	1867.73	1864.34	1879.57
K 766.491	113174x	113193x	113723x
Mg 279.078	44837.8	44814.8	44916.2
Mn 257.610	2141.61	2145.37	2147.17
Mo 202.032	1.0033	0.8118	1.2645
Na 330.237	281782x	280958x	281800x
Ni 231.604	63.3300	67.9946	67.3799
Pb 220.353	47.0088	41.7367	44.6230
Sb 206.834	10.7359	8.2997	0.5450
Se 196.026	-0.6674	17.3397	11.8705
Sn 189.925	1.7685	-5.8063u	-1.1764u
Sr 216.596	1247.34	1248.78	1246.31
Ti 334.941	5.5685	5.6796	5.7863
Tl 190.794	2.4869u	9.3075	5.8581
V 292.401	-2.6419u	-1.7020u	-1.8839u
Zn 206.200	295.869	295.788	297.044

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9878b	ppb	0.3156	31.9	-179.531
Al 308.215	276.804b	ppb	2.6352	1.0	1387.29
As 188.980	3.3795b	ppb	7.6685	226.9	7.0848
B 249.678	719.236b	ppb	3.0365	0.4	6992.62
Ba 389.178	123.026b	ppb	0.5818	0.5	2588.65
Be 313.042	-0.0329b	ppb	0.0070	21.2	-115.216
Ca 370.602	386472b	ppb	1599	0.4	1100377
Cd 226.502	1.7085b	ppb	0.2316	13.6	75.1399
Co 228.615	13.6157b	ppb	0.4297	3.2	158.376
Cr 267.716	47.9533b	ppb	0.1223	0.3	1893.49
Cu 324.754	9.2690b	ppb	0.4494	4.8	493.553
Fe 271.441	1870.55b	ppb	7.9983	0.4	2974.39
K 766.491	113364xb	ppb	311.603	0.3	4788230
Mg 279.078	44856.3b	ppb	53.1516	0.1	89599.0
Mn 257.610	2144.72b	ppb	2.8392	0.1	458866
Mo 202.032	1.0265b	ppb	0.2272	22.1	20.8003
Na 330.237	281514xb	ppb	481.249	0.2	13532.3
Ni 231.604	66.2348b	ppb	2.5343	3.8	162.677
Pb 220.353	44.4562b	ppb	2.6400	5.9	69.7893
Sb 206.834	6.5269b	ppb	5.3217	81.5	6.0913
Se 196.026	9.5142b	ppb	9.2319	97.0	4.2106
Sn 189.925	-1.7381b	ppb	3.8185	219.7	-2.1965
Sr 216.596	1247.48b	ppb	1.2405	0.1	10727.8
Ti 334.941	5.6781b	ppb	0.1089	1.9	1376.55
Tl 190.794	5.8842b	ppb	3.4104	58.0	-1.0270
V 292.401	-2.0759b	ppb	0.4985	24.0	-48.4639
Zn 206.200	296.233b	ppb	0.7927	0.3	447.385

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 7:34:18 PM Rack 2, Tube 49

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	523.526	504.585	468.349
Al 308.215	5629.38	5240.56	6164.14
As 188.980	566.025	525.518	621.136
B 249.678	693.146	650.811	766.409
Ba 389.178	4585.71	4304.44	5073.98
Be 313.042	536.641	502.224	583.911
Ca 370.602	5169	4854	5628
Cd 226.502	521.401	487.858	569.613
Co 228.615	520.767	488.200	568.966
Cr 267.716	5179.25	4835.34	5666.97
Cu 324.754	5148.80	4831.31	5001.98
Fe 271.441	5547.50	5166.34	6160.09
K 766.491	11522.5	10975.5	12286.0
Mg 279.078	5865.42	5499.11	6410.30
Mn 257.610	5132.16	4799.57	5574.06
Mo 202.032	514.970	478.349	563.013
Na 330.237	8799.94	8293.81	9290.85
Ni 231.604	2631.45	2463.76	2881.85
Pb 220.353	521.710	493.908	583.115
Sb 206.834	1028.48	965.415	1169.48
Se 196.026	5872.81	5523.63	6414.36
Sn 189.925	5279.40	5021.35	5829.77
Sr 216.596	2601.68	2432.83	2844.44
Ti 334.941	519.062	485.174	558.379
Tl 190.794	5186.37	4919.87	5653.84
V 292.401	5283.09	4943.64	5672.51
Zn 206.200	2722.62	2548.89	2989.84

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	498.820	ppb	28.0368	5.6	31691.6	99.76398
Al 308.215	5678.03	ppb	463.709	8.2	26006.1	113.56058Q
As 188.980	570.893	ppb	47.9947	8.4	370.402	114.17859Q
B 249.678	703.455	ppb	58.4849	8.3	6840.79	28.13821Q
Ba 389.178	4654.71	ppb	389.381	8.4	94585.7	93.09423
Be 313.042	540.926	ppb	41.0113	7.6	1018023	108.18510
Ca 370.602	5217	ppb	388.9	7.5	14682	104.34333
Cd 226.502	526.291	ppb	41.0960	7.8	17694.8	105.25816
Co 228.615	525.978	ppb	40.6345	7.7	5584.76	105.19557
Cr 267.716	5227.19	ppb	417.884	8.0	204575	104.54375
Cu 324.754	4994.03	ppb	158.892	3.2	219518	99.88058
Fe 271.441	5624.65	ppb	501.346	8.9	9041.17	112.49295Q
K 766.491	11594.7	ppb	658.258	5.7	489935	115.94661Q
Mg 279.078	5924.94	ppb	458.502	7.7	11786.4	118.49887Q
Mn 257.610	5168.60	ppb	388.524	7.5	1105175	103.37196
Mo 202.032	518.777	ppb	42.4600	8.2	3000.75	103.75548
Na 330.237	8794.87	ppb	498.540	5.7	401.499	117.26488Q
Ni 231.604	2659.02	ppb	210.403	7.9	6436.88	106.36076
Pb 220.353	532.911	ppb	45.6461	8.6	781.721	106.58220
Sb 206.834	1054.46	ppb	104.485	9.9	823.980	105.44594
Se 196.026	5936.93	ppb	448.815	7.6	2762.06	118.73866Q
Sn 189.925	5376.84	ppb	412.925	7.7	3685.07	107.53683
Sr 216.596	2626.32	ppb	206.908	7.9	22458.1	105.05264
Ti 334.941	520.872	ppb	36.6359	7.0	115942	104.17436
Tl 190.794	5253.36	ppb	371.542	7.1	4662.05	105.06715
V 292.401	5299.75	ppb	364.720	6.9	132796	105.99493
Zn 206.200	2753.78	ppb	222.120	8.1	4128.22	110.15127Q

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 7:39:43 PM Rack 2, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3205u	-1.4631u	-0.3576u
Al 308.215	6.2311	7.0365	6.0808
As 188.980	-0.7749u	-6.1687u	-1.5941u
B 249.678	7.9344	4.7966	3.5917
Ba 389.178	-0.8168u	-1.0178u	0.2204
Be 313.042	-0.0378u	-0.0331u	-0.0383u
Ca 370.602	0.1935	-6.024u	-2.066u
Cd 226.502	-0.2273u	-0.0192u	-0.0841u
Co 228.615	0.0253	-0.3480u	1.3194
Cr 267.716	-0.4101u	0.2515	-0.2442u
Cu 324.754	-0.4035u	0.1495	-0.8850u
Fe 271.441	-1.7178u	-5.7424u	7.1102
K 766.491	-0.2944u	0.5966	0.0808
Mg 279.078	2.9220	-2.5485u	5.5730
Mn 257.610	-0.0574u	-0.0389u	-0.0554u
Mo 202.032	1.0132	-0.7139u	1.4351
Na 330.237	-236.715u	-76.9213u	-42.5274u
Ni 231.604	1.0117	2.5830	-0.6495u
Pb 220.353	1.4556	-4.9451u	-1.4298u
Sb 206.834	9.5720	8.1295	1.0851
Se 196.026	4.3297	8.6790	4.1807
Sn 189.925	-0.4217u	1.3967	1.8984
Sr 216.596	-0.3939u	0.6680	0.0559
Ti 334.941	-0.0402u	-0.1448u	-0.1883u
Tl 190.794	1.7914	0.7970	3.5116
V 292.401	-0.3210u	0.0489	-0.1096u
Zn 206.200	-0.6624u	-1.7979u	0.4233

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.7137	ppb	0.6492	91.0	-121.356	-0.71371
Al 308.215	6.4495	ppb	0.5139	8.0	153.966	6.44945
As 188.980	-2.8459	ppb	2.9066	102.1	-0.3619	-2.84593
B 249.678	5.4409	ppb	2.2419	41.2	296.396	5.44092
Ba 389.178	-0.5381	ppb	0.6645	123.5	-27.9578	-0.53806
Be 313.042	-0.0364	ppb	0.0029	7.9	-215.782	-0.03639
Ca 370.602	-2.632	ppb	3.147	119.6	-27.70	-2.63212
Cd 226.502	-0.1102	ppb	0.1064	96.6	10.9309	-0.11019
Co 228.615	0.3322	ppb	0.8750	263.4	17.5931	0.33222
Cr 267.716	-0.1343	ppb	0.3442	256.4	-0.7962	-0.13427
Cu 324.754	-0.3797	ppb	0.5177	136.3	69.0308	-0.37968
Fe 271.441	-0.1167	ppb	6.5742	5635.0	9.4991	-0.11667
K 766.491	0.1277	ppb	0.4473	350.4	230.517	0.12766
Mg 279.078	1.9822	ppb	4.1415	208.9	34.6050	1.98215
Mn 257.610	-0.0506	ppb	0.0102	20.1	56.7934	-0.05058
Mo 202.032	0.5781	ppb	1.1386	197.0	18.2838	0.57812
Na 330.237	-118.721	ppb	103.623	87.3	-2.3078	-118.72127
Ni 231.604	0.9817	ppb	1.6165	164.7	4.7385	0.98172
Pb 220.353	-1.6398	ppb	3.2055	195.5	2.1578	-1.63977
Sb 206.834	6.2622	ppb	4.5411	72.5	5.5123	6.26219
Se 196.026	5.7298	ppb	2.5552	44.6	1.9393	5.72978
Sn 189.925	0.9578	ppb	1.2207	127.5	-0.5669	0.95780
Sr 216.596	0.1100	ppb	0.5330	484.6	11.8314	0.10999
Ti 334.941	-0.1245	ppb	0.0761	61.2	-60.2021	-0.12446
Tl 190.794	2.0333	ppb	1.3734	67.5	-1.5650	2.03332
V 292.401	-0.1272	ppb	0.1856	145.8	4.7392	-0.12723
Zn 206.200	-0.6790	ppb	1.1497	163.6	0.9788	-0.67899

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88703-f-1-a (Samp) **3/30/2013, 7:45:09 PM** **Rack 2, Tube 51****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5757u	-0.3946u	-0.7279u
Al 308.215	85.2277	79.5491	83.0618
As 188.980	0.7398	-4.1411u	0.4321
B 249.678	32.6749	33.0855	33.1469
Ba 389.178	58.5830	59.5272	59.2019
Be 313.042	-0.0150u	-0.0149u	-0.0369u
Ca 370.602	61835	61920	61780
Cd 226.502	0.1426	-0.1432u	0.1109
Co 228.615	0.8648	-1.1589u	0.6352
Cr 267.716	0.4183	-0.1457u	0.4035
Cu 324.754	1.7820	2.1196	1.3711
Fe 271.441	873.176	861.553	862.353
K 766.491	3653.51	3665.52	3661.27
Mg 279.078	11218.4	11228.3	11203.3
Mn 257.610	108.399	108.588	108.481
Mo 202.032	1.0211	0.6219	0.0648
Na 330.237	193906x	194454x	193649x
Ni 231.604	-0.7603u	-0.3508u	-0.9340u
Pb 220.353	-6.2199u	2.7001	-3.5121u
Sb 206.834	2.5944	4.6287	6.0413
Se 196.026	17.4087	11.5116	3.9532
Sn 189.925	-3.6024u	-6.2775u	-1.1462u
Sr 216.596	240.109	242.972	240.950
Ti 334.941	0.2443	0.2640	0.1563
Tl 190.794	1.3157	-2.1987u	2.9478
V 292.401	-0.6738u	-1.2196u	-1.0097u
Zn 206.200	39.9489	37.4545	39.8219

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5661b	ppb	0.1668	29.5	-121.116
Al 308.215	82.6128b	ppb	2.8658	3.5	501.449
As 188.980	-0.9897b	ppb	2.7335	276.2	1.3815
B 249.678	32.9691b	ppb	0.2567	0.8	553.908
Ba 389.178	59.1040b	ppb	0.4796	0.8	1210.83
Be 313.042	-0.0222b	ppb	0.0127	56.9	-190.985
Ca 370.602	61845b	ppb	70.39	0.1	176024
Cd 226.502	0.0368b	ppb	0.1567	425.6	16.8706
Co 228.615	0.1137b	ppb	1.1080	974.5	15.2577
Cr 267.716	0.2254b	ppb	0.3215	142.6	16.7006
Cu 324.754	1.7575b	ppb	0.3749	21.3	163.191
Fe 271.441	865.694b	ppb	6.4920	0.7	1380.71
K 766.491	3660.10b	ppb	6.0933	0.2	154812
Mg 279.078	11216.7b	ppb	12.6197	0.1	22434.5
Mn 257.610	108.489b	ppb	0.0952	0.1	23325.9
Mo 202.032	0.5693b	ppb	0.4803	84.4	18.2000
Na 330.237	194003xb	ppb	411.043	0.2	9328.04
Ni 231.604	-0.6817b	ppb	0.2994	43.9	0.7297
Pb 220.353	-2.3440b	ppb	4.5733	195.1	1.1497
Sb 206.834	4.4215b	ppb	1.7327	39.2	4.1524
Se 196.026	10.9578b	ppb	6.7448	61.6	4.4012
Sn 189.925	-3.6753b	ppb	2.5664	69.8	-3.6638
Sr 216.596	241.344b	ppb	1.4719	0.6	2083.53
Ti 334.941	0.2215b	ppb	0.0573	25.9	45.3497
Tl 190.794	0.6883b	ppb	2.6300	382.1	-2.9429
V 292.401	-0.9677b	ppb	0.2753	28.4	-17.7598
Zn 206.200	39.0751b	ppb	1.4949	3.6	60.7671

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88703-f-2-a (Samp) 3/30/2013, 7:50:34 PM Rack 2, Tube 52

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9688u	-0.6354u	-0.6944u
Al 308.215	99.6446	94.7248	96.4306
As 188.980	-9.6754u	-1.9145u	-11.1365u
B 249.678	28.5569	28.5785	29.4970
Ba 389.178	58.6984	58.8919	58.1908
Be 313.042	-0.0188u	-0.0053u	-0.0100u
Ca 370.602	61189	61271	61219
Cd 226.502	-0.4280u	-0.0802u	0.0090
Co 228.615	0.5772	-1.1322u	-0.1438u
Cr 267.716	0.6246	0.3838	0.0426
Cu 324.754	1.5780	1.8835	1.2980
Fe 271.441	908.469	924.243	915.509
K 766.491	3619.71	3622.66	3635.01
Mg 279.078	11107.2	11128.3	11128.2
Mn 257.610	108.194	108.257	108.168
Mo 202.032	0.9707	0.7591	-1.0075u
Na 330.237	192779x	193111x	193122x
Ni 231.604	-0.3294u	-0.1005u	2.5226
Pb 220.353	0.0178	3.1137	-10.6472u
Sb 206.834	-3.0416u	3.7102	0.0652
Se 196.026	-7.1881u	-0.4823u	-11.0239u
Sn 189.925	0.4353	4.7951	-0.5729u
Sr 216.596	240.260	240.537	241.128
Ti 334.941	0.1835	0.2082	0.5484
Tl 190.794	-2.0647u	3.5097	-3.2286u
V 292.401	-0.6414u	-1.2702u	-0.9705u
Zn 206.200	36.7949	40.2452	38.3041

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7662b	ppb	0.1779	23.2	-133.819
Al 308.215	96.9333b	ppb	2.4981	2.6	566.698
As 188.980	-7.5755b	ppb	4.9567	65.4	-2.8811
B 249.678	28.8775b	ppb	0.5366	1.9	515.459
Ba 389.178	58.5937b	ppb	0.3621	0.6	1200.33
Be 313.042	-0.0114b	ppb	0.0069	60.3	-170.476
Ca 370.602	61226b	ppb	41.74	0.1	174258
Cd 226.502	-0.1664b	ppb	0.2309	138.8	10.1831
Co 228.615	-0.2329b	ppb	0.8582	368.4	11.6159
Cr 267.716	0.3503b	ppb	0.2924	83.5	21.5884
Cu 324.754	1.5865b	ppb	0.2929	18.5	155.672
Fe 271.441	916.074b	ppb	7.9022	0.9	1460.56
K 766.491	3625.79b	ppb	8.1138	0.2	153363
Mg 279.078	11121.2b	ppb	12.1205	0.1	22243.9
Mn 257.610	108.206b	ppb	0.0453	0.0	23265.1
Mo 202.032	0.2408b	ppb	1.0862	451.1	16.3018
Na 330.237	193004xb	ppb	194.956	0.1	9280.00
Ni 231.604	0.6976b	ppb	1.5847	227.2	4.0684
Pb 220.353	-2.5052b	ppb	7.2191	288.2	0.9150
Sb 206.834	0.2446b	ppb	3.3795	1381.6	1.0479
Se 196.026	-6.2314b	ppb	5.3355	85.6	-3.5941
Sn 189.925	1.5525b	ppb	2.8530	183.8	-0.0802
Sr 216.596	240.642b	ppb	0.4431	0.2	2077.52
Ti 334.941	0.3134b	ppb	0.2039	65.1	65.5390
Tl 190.794	-0.5945b	ppb	3.6017	605.8	-4.0851
V 292.401	-0.9607b	ppb	0.3145	32.7	-17.4551
Zn 206.200	38.4480b	ppb	1.7296	4.5	59.8235

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-270926/1-a (Samp) 3/30/2013, 7:56:00 PM Rack 2, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.6889u	-0.2830u	-1.1042u
Al 308.215	8.7215	7.8981	1.3074
As 188.980	-0.6166u	2.6439	-5.6666u
B 249.678	-13.2735u	-12.2587u	-14.5568u
Ba 389.178	-1.8171u	-1.6738u	0.7606
Be 313.042	-0.0236u	-0.0106u	-0.0339u
Ca 370.602	2.539	0.0677	4.287
Cd 226.502	0.2306	-0.1175u	-0.0104u
Co 228.615	0.5128	0.4060	0.0551
Cr 267.716	0.1307	0.4206	-0.1520u
Cu 324.754	0.1521	1.4325	0.4414
Fe 271.441	-2.0627u	3.2900	-4.1871u
K 766.491	1.2116	1.7627	1.2589
Mg 279.078	3.1721	0.9225	4.1976
Mn 257.610	-0.0681u	-0.0616u	-0.0198u
Mo 202.032	-0.8783u	0.6588	0.2906
Na 330.237	148.083	-12.3199u	76.8312
Ni 231.604	-1.4832u	2.0409	0.7281
Pb 220.353	-0.5396u	0.0968	-0.1085u
Sb 206.834	0.2529	0.3441	7.2861
Se 196.026	4.8492	1.4490	-8.3531u
Sn 189.925	-3.7721u	1.9099	-4.0976u
Sr 216.596	-0.4751u	0.7562	-0.1045u
Ti 334.941	-0.3423u	-0.3359u	-0.1163u
Tl 190.794	3.3501	0.4640	-4.1360u
V 292.401	-0.4200u	0.2409	-0.0380u
Zn 206.200	0.2145	3.0581	0.6733

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6920	ppb	0.4106	59.3	-119.977
Al 308.215	5.9757	ppb	4.0637	68.0	151.714
As 188.980	-1.2131	ppb	4.1872	345.2	0.6941
B 249.678	-13.3630	ppb	1.1517	8.6	119.958
Ba 389.178	-0.9101	ppb	1.4486	159.2	-35.5270
Be 313.042	-0.0227	ppb	0.0117	51.4	-189.878
Ca 370.602	2.298	ppb	2.120	92.3	-13.24
Cd 226.502	0.0342	ppb	0.1783	521.0	15.7648
Co 228.615	0.3246	ppb	0.2394	73.8	17.5351
Cr 267.716	0.1331	ppb	0.2863	215.1	9.6680
Cu 324.754	0.6753	ppb	0.6715	99.4	115.371
Fe 271.441	-0.9866	ppb	3.8530	390.5	8.0913
K 766.491	1.4111	ppb	0.3054	21.6	284.722
Mg 279.078	2.7641	ppb	1.6753	60.6	36.1659
Mn 257.610	-0.0498	ppb	0.0262	52.5	56.9391
Mo 202.032	0.0237	ppb	0.8025	3383.3	15.0845
Na 330.237	70.8649	ppb	80.3680	113.4	6.7921
Ni 231.604	0.4286	ppb	1.7811	415.5	3.3999
Pb 220.353	-0.1838	ppb	0.3248	176.8	4.2827
Sb 206.834	2.6277	ppb	4.0345	153.5	2.8130
Se 196.026	-0.6850	ppb	6.8549	1000.7	-1.0445
Sn 189.925	-1.9866	ppb	3.3784	170.1	-2.5855
Sr 216.596	0.0589	ppb	0.6317	1072.8	11.4264
Ti 334.941	-0.2648	ppb	0.1287	48.6	-91.4644
Tl 190.794	-0.1073	ppb	3.7756	3518.3	-3.4674
V 292.401	-0.0723	ppb	0.3318	458.6	6.2579
Zn 206.200	1.3153	ppb	1.5266	116.1	2.9776

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Ics 680-270926/2-a (Samp) 3/30/2013, 8:01:25 PM Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	34.4269	34.7821	33.1867
Al 308.215	5690.83	5698.21	5698.20
As 188.980	115.388	117.291	116.920
B 249.678	240.859	242.520	246.770
Ba 389.178	100.236	100.974	100.712
Be 313.042	59.8845	59.9068	59.9582
Ca 370.602	5313	5309	5307
Cd 226.502	58.8541	58.7726	58.5145
Co 228.615	57.4215	57.4986	57.8359
Cr 267.716	115.710	115.471	114.855
Cu 324.754	115.113	112.940	114.471
Fe 271.441	5728.25	5725.38	5713.07
K 766.491	5896.07	5907.45	5920.88
Mg 279.078	6122.59	6135.03	6131.88
Mn 257.610	575.707	576.061	576.164
Mo 202.032	108.483	107.039	108.251
Na 330.237	5693.41	5771.40	5297.04
Ni 231.604	115.911	117.268	117.332
Pb 220.353	51.4284	52.1195	48.9810
Sb 206.834	48.8400	58.6944	67.1543
Se 196.026	117.722	118.998	119.257
Sn 189.925	215.233	215.684	227.548
Sr 216.596	110.665	113.181	112.667
Ti 334.941	106.676	107.190	107.351
Tl 190.794	39.4501	40.4622	42.3490
V 292.401	112.459	112.034	112.799
Zn 206.200	121.372	122.077	124.167

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	34.1319	ppb	0.8376	2.5	2099.88
Al 308.215	5695.75	ppb	4.2613	0.1	26116.6
As 188.980	116.533	ppb	1.0086	0.9	76.7733
B 249.678	243.383	ppb	3.0488	1.3	2523.74
Ba 389.178	100.641	ppb	0.3743	0.4	2049.69
Be 313.042	59.9165	ppb	0.0378	0.1	112643
Ca 370.602	5310	ppb	2.914	0.1	14715
Cd 226.502	58.7137	ppb	0.1773	0.3	1998.22
Co 228.615	57.5853	ppb	0.2204	0.4	622.317
Cr 267.716	115.346	ppb	0.4412	0.4	4521.26
Cu 324.754	114.175	ppb	1.1161	1.0	5106.31
Fe 271.441	5722.23	ppb	8.0646	0.1	9082.39
K 766.491	5908.13	ppb	12.4234	0.2	249760
Mg 279.078	6129.83	ppb	6.4677	0.1	12265.6
Mn 257.610	575.977	ppb	0.2396	0.0	123261
Mo 202.032	107.924	ppb	0.7752	0.7	637.408
Na 330.237	5587.28	ppb	254.361	4.6	268.717
Ni 231.604	116.837	ppb	0.8028	0.7	285.201
Pb 220.353	50.8430	ppb	1.6491	3.2	78.5313
Sb 206.834	58.2295	ppb	9.1660	15.7	44.4885
Se 196.026	118.659	ppb	0.8215	0.7	54.6341
Sn 189.925	219.488	ppb	6.9831	3.2	149.258
Sr 216.596	112.171	ppb	1.3295	1.2	969.329
Ti 334.941	107.073	ppb	0.3525	0.3	23826.0
Tl 190.794	40.7538	ppb	1.4713	3.6	31.8766
V 292.401	112.430	ppb	0.3832	0.3	2808.54
Zn 206.200	122.538	ppb	1.4534	1.2	185.954

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-270926/3-a (Samp) 3/30/2013, 8:06:51 PM Rack 2, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	219.276	220.845	219.668
Al 308.215	2222.30	2227.70	2219.28
As 188.980	239.688	242.709	244.715
B 249.678	490.433	498.396	497.711
Ba 389.178	191.507	192.852	191.256
Be 313.042	233.423	234.363	233.089
Ca 370.602	20956	21051	20952
Cd 226.502	225.395	225.676	224.567
Co 228.615	223.737	224.023	223.179
Cr 267.716	222.018	223.634	221.882
Cu 324.754	220.475	224.150	222.926
Fe 271.441	23294.5	23407.5	23233.5
K 766.491	23143.7	23258.5	23142.8
Mg 279.078	24056.4	24082.6	23982.9
Mn 257.610	2248.34	2260.15	2244.40
Mo 202.032	211.790	209.454	210.959
Na 330.237	21142.0	21038.1	20527.6
Ni 231.604	221.384	222.065	223.698
Pb 220.353	218.017	216.918	208.675
Sb 206.834	203.466	212.688	207.860
Se 196.026	234.776	251.615	236.858
Sn 189.925	208.169	216.299	208.493
Sr 216.596	228.805	229.223	227.746
Ti 334.941	208.483	209.257	208.302
Tl 190.794	42.2306	44.2644	42.3167
V 292.401	219.996	220.059	218.686
Zn 206.200	224.105	225.409	224.187

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	219.930	ppb	0.8164	0.4	13954.3
Al 308.215	2223.09	ppb	4.2671	0.2	10284.9
As 188.980	242.371	ppb	2.5306	1.0	158.052
B 249.678	495.513	ppb	4.4131	0.9	4873.13
Ba 389.178	191.872	ppb	0.8581	0.4	3967.27
Be 313.042	233.625	ppb	0.6603	0.3	439679
Ca 370.602	20986	ppb	56.35	0.3	58134
Cd 226.502	225.213	ppb	0.5768	0.3	7626.23
Co 228.615	223.646	ppb	0.4294	0.2	2377.57
Cr 267.716	222.511	ppb	0.9748	0.4	8723.34
Cu 324.754	222.517	ppb	1.8711	0.8	9873.61
Fe 271.441	23311.8	ppb	88.2800	0.4	36967.3
K 766.491	23181.6	ppb	66.5513	0.3	979321
Mg 279.078	24040.6	ppb	51.6870	0.2	48021.0
Mn 257.610	2250.96	ppb	8.1939	0.4	481520
Mo 202.032	210.735	ppb	1.1842	0.6	1229.89
Na 330.237	20902.6	ppb	328.866	1.6	998.506
Ni 231.604	222.382	ppb	1.1893	0.5	540.939
Pb 220.353	214.537	ppb	5.1062	2.4	317.449
Sb 206.834	208.005	ppb	4.6126	2.2	157.233
Se 196.026	241.083	ppb	9.1804	3.8	112.067
Sn 189.925	210.987	ppb	4.6029	2.2	143.440
Sr 216.596	228.591	ppb	0.7610	0.3	1969.10
Ti 334.941	208.681	ppb	0.5074	0.2	46510.8
Tl 190.794	42.9372	ppb	1.1501	2.7	30.9111
V 292.401	219.580	ppb	0.7751	0.4	5477.81
Zn 206.200	224.567	ppb	0.7303	0.3	229.086

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88533-c-2-c (Samp) 3/30/2013, 8:12:16 PM Rack 2, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	8.3471	8.3967	8.1415
Al 308.215	27537.4	27559.3	27498.1
As 188.980	4.7895	-0.6957 _u	12.1535
B 249.678	91.3834	90.2200	90.1800
Ba 389.178	505.578	504.474	507.438
Be 313.042	1.6003	1.6076	1.6091
Ca 370.602	39416	39430	39427
Cd 226.502	3.7685	3.5284	4.0069
Co 228.615	4.7187	4.7978	5.6840
Cr 267.716	42.1742	42.3239	42.1854
Cu 324.754	912.638	909.588	916.062
Fe 271.441	20354.5	20371.5	20330.7
K 766.491	7408.59	7412.28	7397.27
Mg 279.078	4320.34	4333.20	4321.58
Mn 257.610	378.564	378.707	378.113
Mo 202.032	13.7327	13.9359	13.5633
Na 330.237	3509.75	3892.04	3679.78
Ni 231.604	25.1858	25.4073	26.3200
Pb 220.353	36.5988	44.0788	44.7512
Sb 206.834	6.7833	12.8915	-0.5326
Se 196.026	24.2966	19.1146	10.4893
Sn 189.925	59.1451	63.6649	58.7422
Sr 216.596	81.2495	82.4063	80.8525
Ti 334.941	18.3507	18.4417	18.2942
Tl 190.794	7.4762	3.4724	5.2092
V 292.401	33.3112	33.0423	34.0126
Zn 206.200	2161.86	2159.66	2149.24

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	8.2951	ppb	0.1353	1.6	451.738
Al 308.215	27531.6	ppb	30.9880	0.1	125716
As 188.980	5.4157	ppb	6.4474	119.0	5.1122
B 249.678	90.5945	ppb	0.6835	0.8	1076.42
Ba 389.178	505.830	ppb	1.4979	0.3	10295.3
Be 313.042	1.6057	ppb	0.0047	0.3	2887.72
Ca 370.602	39424	ppb	7.675	0.0	110774
Cd 226.502	3.7679	ppb	0.2392	6.3	185.604
Co 228.615	5.0668	ppb	0.5359	10.6	67.1399
Cr 267.716	42.2278	ppb	0.0834	0.2	1662.51
Cu 324.754	912.763	ppb	3.2386	0.4	40202.8
Fe 271.441	20352.3	ppb	20.4660	0.1	32246.1
K 766.491	7406.04	ppb	7.8220	0.1	313025
Mg 279.078	4325.04	ppb	7.0949	0.2	8659.78
Mn 257.610	378.461	ppb	0.3101	0.1	81059.1
Mo 202.032	13.7440	ppb	0.1866	1.4	93.4063
Na 330.237	3693.86	ppb	191.530	5.2	159.933
Ni 231.604	25.6377	ppb	0.6012	2.3	64.8019
Pb 220.353	41.8096	ppb	4.5252	10.8	65.1328
Sb 206.834	6.3808	ppb	6.7211	105.3	6.1373
Se 196.026	17.9668	ppb	6.9748	38.8	7.8317
Sn 189.925	60.5174	ppb	2.7332	4.5	40.2808
Sr 216.596	81.5028	ppb	0.8073	1.0	718.144
Ti 334.941	18.3622	ppb	0.0744	0.4	4073.59
Tl 190.794	5.3860	ppb	2.0077	37.3	0.0045
V 292.401	33.4554	ppb	0.5009	1.5	843.841
Zn 206.200	2156.92	ppb	6.7403	0.3	2245.82

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88547-b-4-a (Samp) 3/30/2013, 8:17:42 PM Rack 2, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3973u	-0.0271u	-0.4314u
Al 308.215	793.207	796.038	802.771
As 188.980	-2.3540u	-11.3558u	-7.9954u
B 249.678	-0.2900u	-1.0256u	-1.6338u
Ba 389.178	103.262	105.252	103.319
Be 313.042	0.3480	0.3528	0.3454
Ca 370.602	3516	3514	3526
Cd 226.502	0.3944	0.3732	0.3177
Co 228.615	1.2725	2.1354	2.5166
Cr 267.716	2.2255	2.5417	2.2151
Cu 324.754	3.1458	2.9498	3.4873
Fe 271.441	1464.97	1455.93	1456.90
K 766.491	2792.67	2795.37	2793.39
Mg 279.078	2743.71	2761.50	2765.17
Mn 257.610	237.569	238.462	238.330
Mo 202.032	-0.1232u	-0.2976u	-0.2647u
Na 330.237	8865.66	8861.76	8881.18
Ni 231.604	32.8394	35.3342	33.0399
Pb 220.353	-1.3939u	2.2430	-1.8467u
Sb 206.834	1.5315	6.2315	0.5648
Se 196.026	5.0381	16.2821	8.6208
Sn 189.925	0.6427	3.7768	3.7002
Sr 216.596	33.3341	33.7446	34.7518
Ti 334.941	10.6769	10.6550	10.6714
Tl 190.794	5.5243	6.0247	8.1161
V 292.401	0.9724	1.0875	0.4849
Zn 206.200	35.8084	33.5502	35.1484

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2853	ppb	0.2242	78.6	-94.4339
Al 308.215	797.339	ppb	4.9130	0.6	3761.66
As 188.980	-7.2350	ppb	4.5488	62.9	-3.1832
B 249.678	-0.9831	ppb	0.6729	68.4	234.758
Ba 389.178	103.944	ppb	1.1333	1.1	2102.99
Be 313.042	0.3487	ppb	0.0037	1.1	509.234
Ca 370.602	3519	ppb	6.744	0.2	9901
Cd 226.502	0.3617	ppb	0.0396	11.0	29.9460
Co 228.615	1.9748	ppb	0.6374	32.3	35.2052
Cr 267.716	2.3275	ppb	0.1856	8.0	96.8244
Cu 324.754	3.1943	ppb	0.2720	8.5	226.444
Fe 271.441	1459.26	ppb	4.9653	0.3	2321.11
K 766.491	2793.81	ppb	1.3960	0.0	118224
Mg 279.078	2756.79	ppb	11.4765	0.4	5533.75
Mn 257.610	238.120	ppb	0.4819	0.2	50997.1
Mo 202.032	-0.2285	ppb	0.0927	40.6	13.5690
Na 330.237	8869.54	ppb	10.2741	0.1	428.995
Ni 231.604	33.7379	ppb	1.3861	4.1	84.0312
Pb 220.353	-0.3325	ppb	2.2420	674.2	4.0925
Sb 206.834	2.7759	ppb	3.0314	109.2	2.9663
Se 196.026	9.9803	ppb	5.7440	57.6	3.9800
Sn 189.925	2.7066	ppb	1.7878	66.1	0.6360
Sr 216.596	33.9435	ppb	0.7295	2.1	301.986
Ti 334.941	10.6678	ppb	0.0114	0.1	2351.88
Tl 190.794	6.5550	ppb	1.3749	21.0	2.0779
V 292.401	0.8483	ppb	0.3199	37.7	29.3575
Zn 206.200	34.8357	ppb	1.1611	3.3	54.3844

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88547-b-5-a (Samp) 3/30/2013, 8:23:08 PM Rack 2, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9214u	-0.0204u	-0.0279u
Al 308.215	274.371	273.890	270.662
As 188.980	-3.8262u	1.2659	-1.1530u
B 249.678	-7.8642u	-7.9262u	-8.1443u
Ba 389.178	28.0359	29.9787	28.9486
Be 313.042	0.7688	0.7525	0.7586
Ca 370.602	12575	12506	12451
Cd 226.502	0.8839	1.0924	0.8456
Co 228.615	-0.0846u	-0.2876u	-0.1320u
Cr 267.716	0.5340	-0.1392u	0.5074
Cu 324.754	0.5436	-0.0444u	0.8737
Fe 271.441	87.6010	95.5508	69.5798
K 766.491	2766.56	2747.81	2737.37
Mg 279.078	9877.49	9807.97	9772.73
Mn 257.610	275.861	274.428	272.959
Mo 202.032	-1.3701u	-0.5446u	-0.1878u
Na 330.237	12632.1	12210.3	12165.5
Ni 231.604	41.7187	43.7322	42.1306
Pb 220.353	5.8426	-4.1880u	2.0953
Sb 206.834	2.0132	5.5107	-0.2976u
Se 196.026	5.6970	-0.1718u	2.7882
Sn 189.925	3.9772	-1.0360u	-2.9005u
Sr 216.596	107.909	107.317	105.579
Ti 334.941	0.3829	0.3268	0.2763
Tl 190.794	4.7585	-1.5836u	5.4651
V 292.401	-0.1912u	-1.0935u	-0.3259u
Zn 206.200	64.0046	62.2744	62.9430

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3232	ppb	0.5180	160.3	-99.6421
Al 308.215	272.974	ppb	2.0170	0.7	1369.62
As 188.980	-1.2377	ppb	2.5471	205.8	0.7894
B 249.678	-7.9782	ppb	0.1471	1.8	170.404
Ba 389.178	28.9877	ppb	0.9720	3.4	594.770
Be 313.042	0.7600	ppb	0.0083	1.1	1286.17
Ca 370.602	12511	ppb	62.24	0.5	35606
Cd 226.502	0.9406	ppb	0.1329	14.1	46.4419
Co 228.615	-0.1680	ppb	0.1062	63.2	12.3613
Cr 267.716	0.3008	ppb	0.3812	126.8	17.3995
Cu 324.754	0.4576	ppb	0.4651	101.6	105.817
Fe 271.441	84.2439	ppb	13.3070	15.8	143.081
K 766.491	2750.58	ppb	14.7924	0.5	116398
Mg 279.078	9819.40	ppb	53.3075	0.5	19640.7
Mn 257.610	274.416	ppb	1.4510	0.5	58792.3
Mo 202.032	-0.7008	ppb	0.6064	86.5	10.8999
Na 330.237	12336.0	ppb	257.450	2.1	595.875
Ni 231.604	42.5272	ppb	1.0637	2.5	105.273
Pb 220.353	1.2499	ppb	5.0685	405.5	6.4221
Sb 206.834	2.4088	ppb	2.9243	121.4	2.6629
Se 196.026	2.7711	ppb	2.9344	105.9	0.6277
Sn 189.925	0.0135	ppb	3.5570	26286.9	-1.2062
Sr 216.596	106.935	ppb	1.2112	1.1	927.402
Ti 334.941	0.3287	ppb	0.0533	16.2	75.5245
Tl 190.794	2.8800	ppb	3.8817	134.8	-1.1750
V 292.401	-0.5369	ppb	0.4867	90.7	-5.2937
Zn 206.200	63.0740	ppb	0.8725	1.4	96.8603

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88547-b-6-a (Samp) **3/30/2013, 8:28:34 PM** **Rack 2, Tube 59****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.6987u	-0.5959u	0.2874
Al 308.215	177.226	181.040	178.969
As 188.980	-8.0309u	-0.8278u	-14.5662u
B 249.678	-6.2390u	-6.1282u	-6.7851u
Ba 389.178	24.4927	25.3745	23.3201
Be 313.042	0.0311	0.0421	0.0253
Ca 370.602	5868	5922	5887
Cd 226.502	-0.0324u	-0.0238u	-0.1181u
Co 228.615	0.4319	0.6554	0.8595
Cr 267.716	4.1396	5.0064	4.3350
Cu 324.754	0.1742	0.5478	1.2170
Fe 271.441	196.948	190.811	191.911
K 766.491	2890.64	2905.08	2885.03
Mg 279.078	4075.74	4107.35	4102.96
Mn 257.610	19.2933	19.3283	19.2932
Mo 202.032	-0.7655u	0.2090	0.0144
Na 330.237	8312.75	8362.95	8518.63
Ni 231.604	7.0469	4.2124	5.2397
Pb 220.353	2.6684	2.0132	-3.0353u
Sb 206.834	-3.8609u	-2.7375u	-6.9868u
Se 196.026	4.6717	3.9183	7.4863
Sn 189.925	-0.7924u	6.1347	0.1713
Sr 216.596	44.3475	44.5271	45.5542
Ti 334.941	2.5855	2.6010	2.8695
Tl 190.794	4.0297	5.1643	1.2202
V 292.401	-0.4620u	0.2336	0.0548
Zn 206.200	4.6683	6.4056	8.5923

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6690	ppb	0.9951	148.7	-120.250
Al 308.215	179.078	ppb	1.9096	1.1	941.368
As 188.980	-7.8083	ppb	6.8719	88.0	-3.5191
B 249.678	-6.3841	ppb	0.3517	5.5	185.261
Ba 389.178	24.3957	ppb	1.0306	4.2	488.349
Be 313.042	0.0328	ppb	0.0085	25.9	-84.5898
Ca 370.602	5892	ppb	27.69	0.5	16746
Cd 226.502	-0.0581	ppb	0.0521	89.7	13.1056
Co 228.615	0.6489	ppb	0.2139	33.0	21.0412
Cr 267.716	4.4937	ppb	0.4547	10.1	180.581
Cu 324.754	0.6463	ppb	0.5284	81.7	114.152
Fe 271.441	193.223	ppb	3.2723	1.7	315.779
K 766.491	2893.58	ppb	10.3410	0.4	122438
Mg 279.078	4095.35	ppb	17.1246	0.4	8210.82
Mn 257.610	19.3050	ppb	0.0202	0.1	4217.88
Mo 202.032	-0.1807	ppb	0.5157	285.4	13.8967
Na 330.237	8398.11	ppb	107.349	1.3	406.945
Ni 231.604	5.4997	ppb	1.4350	26.1	15.6749
Pb 220.353	0.5488	ppb	3.1212	568.7	5.3503
Sb 206.834	-4.5284	ppb	2.2019	48.6	-2.4875
Se 196.026	5.3588	ppb	1.8806	35.1	1.7723
Sn 189.925	1.8379	ppb	3.7522	204.2	0.0411
Sr 216.596	44.8096	ppb	0.6511	1.5	395.224
Ti 334.941	2.6853	ppb	0.1597	5.9	579.637
Tl 190.794	3.4714	ppb	2.0305	58.5	-0.3204
V 292.401	-0.0579	ppb	0.3612	624.3	6.3661
Zn 206.200	6.5554	ppb	1.9663	30.0	11.8453

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88547-b-7-a (Samp) 3/30/2013, 8:34:00 PM Rack 2, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8320u	-0.4489u	-0.9701u
Al 308.215	229.717	233.527	236.356
As 188.980	-9.9748u	-7.2208u	-7.9889u
B 249.678	-10.2245u	-11.1444u	-9.4663u
Ba 389.178	35.4048	35.6698	37.2838
Be 313.042	0.0978	0.0946	0.0797
Ca 370.602	18771	18747	18742
Cd 226.502	0.2100	0.5409	0.2827
Co 228.615	-0.4674u	0.4227	-0.4474u
Cr 267.716	2.9625	3.2804	2.9387
Cu 324.754	1.9387	0.1371	0.7237
Fe 271.441	374.446	377.838	381.208
K 766.491	2654.82	2639.58	2631.36
Mg 279.078	14517.8	14533.5	14488.3
Mn 257.610	69.0537	68.7983	68.9519
Mo 202.032	0.0299	-1.0915u	-0.4868u
Na 330.237	13317.8	13276.3	13217.6
Ni 231.604	21.2627	22.9391	22.3671
Pb 220.353	-0.5646u	-2.2904u	-0.7583u
Sb 206.834	2.4036	-8.4823u	-8.9054u
Se 196.026	1.1378	11.6983	9.6309
Sn 189.925	3.3023	-5.2912u	3.8404
Sr 216.596	145.280	144.996	143.891
Ti 334.941	2.7918	2.7457	2.9098
Tl 190.794	1.0908	-1.1018u	4.9893
V 292.401	-0.3923u	-0.5978u	-0.0775u
Zn 206.200	19.2468	19.3667	18.7989

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7503	ppb	0.2700	36.0	-129.250
Al 308.215	233.200	ppb	3.3311	1.4	1188.21
As 188.980	-8.3948	ppb	1.4211	16.9	-3.7849
B 249.678	-10.2784	ppb	0.8403	8.2	148.548
Ba 389.178	36.1194	ppb	1.0170	2.8	750.914
Be 313.042	0.0907	ppb	0.0097	10.7	27.9941
Ca 370.602	18753	ppb	15.29	0.1	53355
Cd 226.502	0.3446	ppb	0.1739	50.5	27.1176
Co 228.615	-0.1641	ppb	0.5082	309.8	12.4535
Cr 267.716	3.0606	ppb	0.1908	6.2	124.771
Cu 324.754	0.9332	ppb	0.9189	98.5	126.797
Fe 271.441	377.831	ppb	3.3809	0.9	608.014
K 766.491	2641.92	ppb	11.9041	0.5	111809
Mg 279.078	14513.2	ppb	22.9396	0.2	29019.8
Mn 257.610	68.9346	ppb	0.1286	0.2	14886.2
Mo 202.032	-0.5162	ppb	0.5613	108.7	11.9538
Na 330.237	13270.6	ppb	50.3496	0.4	641.006
Ni 231.604	22.1896	ppb	0.8522	3.8	56.0655
Pb 220.353	-1.2044	ppb	0.9455	78.5	2.8024
Sb 206.834	-4.9947	ppb	6.4106	128.3	-2.8378
Se 196.026	7.4890	ppb	5.5966	74.7	2.7759
Sn 189.925	0.6172	ppb	5.1239	830.2	-0.7899
Sr 216.596	144.722	ppb	0.7339	0.5	1251.96
Ti 334.941	2.8158	ppb	0.0847	3.0	646.191
Tl 190.794	1.6595	ppb	3.0851	185.9	-2.0052
V 292.401	-0.3559	ppb	0.2620	73.6	-0.8726
Zn 206.200	19.1375	ppb	0.2993	1.6	20.7727

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 8:39:26 PM Rack 3, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	524.084	525.039	517.472
Al 308.215	5661.12	5650.76	5652.96
As 188.980	569.919	568.725	564.014
B 249.678	677.963	679.934	686.184
Ba 389.178	4610.86	4603.85	4605.48
Be 313.042	539.981	538.033	538.604
Ca 370.602	5231	5213	5228
Cd 226.502	530.492	529.303	528.749
Co 228.615	529.273	527.463	527.807
Cr 267.716	5200.17	5199.40	5214.79
Cu 324.754	5124.66	5147.54	5014.30
Fe 271.441	5628.12	5604.93	5591.51
K 766.491	11729.3	11691.5	11679.4
Mg 279.078	5958.23	5958.96	5960.93
Mn 257.610	5175.28	5166.62	5162.23
Mo 202.032	511.891	512.423	515.690
Na 330.237	9053.93	9052.12	8813.87
Ni 231.604	2672.27	2670.48	2662.71
Pb 220.353	526.569	532.976	532.716
Sb 206.834	1017.54	1041.78	1040.15
Se 196.026	5907.43	5916.40	5880.45
Sn 189.925	5243.86	5270.52	5278.09
Sr 216.596	2612.76	2610.64	2624.16
Ti 334.941	518.136	517.580	519.693
Tl 190.794	5279.92	5268.06	5260.93
V 292.401	5325.53	5308.60	5306.14
Zn 206.200	2784.68	2781.94	2777.51

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	522.198	ppb	4.1209	0.8	33182.2	104.43961
Al 308.215	5654.95	ppb	5.4570	0.1	25900.2	113.09894Q
As 188.980	567.553	ppb	3.1225	0.6	368.243	113.51052Q
B 249.678	681.360	ppb	4.2923	0.6	6633.49	27.25442Q
Ba 389.178	4606.73	ppb	3.6695	0.1	93611.0	92.13466
Be 313.042	538.873	ppb	1.0017	0.2	1014158	107.77456
Ca 370.602	5224	ppb	9.336	0.2	14704	104.48233
Cd 226.502	529.515	ppb	0.8906	0.2	17803.0	105.90293
Co 228.615	528.181	ppb	0.9611	0.2	5608.21	105.63615
Cr 267.716	5204.78	ppb	8.6724	0.2	203698	104.09566
Cu 324.754	5095.50	ppb	71.2455	1.4	223977	101.90996
Fe 271.441	5608.19	ppb	18.5229	0.3	9015.24	112.16370Q
K 766.491	11700.1	ppb	26.0663	0.2	494387	117.00067Q
Mg 279.078	5959.38	ppb	1.3945	0.0	11855.2	119.18752Q
Mn 257.610	5168.04	ppb	6.6380	0.1	1105056	103.36081
Mo 202.032	513.335	ppb	2.0568	0.4	2969.31	102.66695
Na 330.237	8973.31	ppb	138.077	1.5	409.865	119.64409Q
Ni 231.604	2668.49	ppb	5.0800	0.2	6459.79	106.73949
Pb 220.353	530.754	ppb	3.6262	0.7	778.579	106.15076
Sb 206.834	1033.16	ppb	13.5496	1.3	808.160	103.31575
Se 196.026	5901.43	ppb	18.7116	0.3	2745.55	118.02853Q
Sn 189.925	5264.16	ppb	17.9776	0.3	3607.81	105.28316
Sr 216.596	2615.85	ppb	7.2680	0.3	22368.4	104.63415
Ti 334.941	518.470	ppb	1.0949	0.2	115408	103.69391
Tl 190.794	5269.64	ppb	9.5919	0.2	4676.54	105.39278
V 292.401	5313.42	ppb	10.5603	0.2	133140	106.26844
Zn 206.200	2781.38	ppb	3.6471	0.1	4169.72	111.25510Q

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 8:44:53 PM Rack 3, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9004u	-0.2759u	-0.4735u
Al 308.215	2.7653	5.5038	6.2861
As 188.980	-11.8191u	9.0107	3.9052
B 249.678	1.0092	-2.6209u	-4.8942u
Ba 389.178	0.0842	-0.1451u	-0.1681u
Be 313.042	0.0026	-0.0056u	-0.0038u
Ca 370.602	-4.348u	5.620	1.771
Cd 226.502	-0.0586u	-0.2633u	0.0507
Co 228.615	-0.2090u	0.2360	0.0127
Cr 267.716	-0.2109u	-0.2421u	-0.4401u
Cu 324.754	-0.0284u	0.0551	-0.9177u
Fe 271.441	2.2178	5.9296	1.4383
K 766.491	-0.2287u	0.6267	0.7050
Mg 279.078	5.5613	8.4050	0.7984
Mn 257.610	0.0179	-0.0346u	0.0346
Mo 202.032	0.2912	0.5697	1.1735
Na 330.237	-118.525u	219.274	85.3202
Ni 231.604	1.7446	-0.1988u	-0.3332u
Pb 220.353	-0.8486u	-5.2163u	1.5477
Sb 206.834	-5.0782u	9.2630	2.8023
Se 196.026	-0.0541u	9.0167	2.8985
Sn 189.925	0.8133	4.0057	2.8437
Sr 216.596	0.6045	0.8432	-0.0350u
Ti 334.941	-0.0596u	-0.0898u	-0.2109u
Tl 190.794	6.5053	2.7594	-0.0413u
V 292.401	-0.4183u	-0.2674u	0.1458
Zn 206.200	1.6667	-0.1999u	0.4209

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.5499	ppb	0.3192	58.0	-110.920	-0.54995
Al 308.215	4.8517	ppb	1.8488	38.1	146.672	4.85174
As 188.980	0.3656	ppb	10.8566	2969.4	1.7144	0.36561
B 249.678	-2.1686	ppb	2.9776	137.3	224.991	-2.16865
Ba 389.178	-0.0763	ppb	0.1395	182.7	-18.5662	-0.07635
Be 313.042	-0.0023	ppb	0.0043	190.0	-151.549	-0.00227
Ca 370.602	1.014	ppb	5.027	495.7	-17.42	1.01410
Cd 226.502	-0.0904	ppb	0.1594	176.4	11.5979	-0.09039
Co 228.615	0.0132	ppb	0.2225	1683.2	14.2182	0.01322
Cr 267.716	-0.2977	ppb	0.1243	41.7	-7.1908	-0.29773
Cu 324.754	-0.2970	ppb	0.5392	181.5	72.6628	-0.29702
Fe 271.441	3.1952	ppb	2.3999	75.1	14.6330	3.19525
K 766.491	0.3677	ppb	0.5180	140.9	240.654	0.36768
Mg 279.078	4.9216	ppb	3.8435	78.1	40.4761	4.92156
Mn 257.610	0.0060	ppb	0.0361	602.9	68.9143	0.00599
Mo 202.032	0.6781	ppb	0.4510	66.5	18.8611	0.67813
Na 330.237	62.0232	ppb	170.100	274.3	6.3686	62.02315
Ni 231.604	0.4042	ppb	1.1627	287.6	3.3411	0.40423
Pb 220.353	-1.5057	ppb	3.4296	227.8	2.3536	-1.50574
Sb 206.834	2.3290	ppb	7.1823	308.4	2.5796	2.32902
Se 196.026	3.9537	ppb	4.6266	117.0	1.1132	3.95372
Sn 189.925	2.5542	ppb	1.6158	63.3	0.5277	2.55422
Sr 216.596	0.4709	ppb	0.4541	96.4	14.9537	0.47088
Ti 334.941	-0.1201	ppb	0.0801	66.7	-59.2228	-0.12009
Tl 190.794	3.0745	ppb	3.2847	106.8	-0.6399	3.07445
V 292.401	-0.1800	ppb	0.2920	162.3	3.4376	-0.17996
Zn 206.200	0.6292	ppb	0.9596	151.1	2.9470	0.62919

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88707-e-1-a (Samp) 3/30/2013, 8:50:19 PM Rack 3, Tube 3

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0556u	-0.6297u	-1.4033u
Al 308.215	63.9265	60.7364	60.4036
As 188.980	-10.2440u	2.2876	0.6669
B 249.678	120.122	117.661	120.276
Ba 389.178	47.6658	47.8649	47.2144
Be 313.042	-0.0140	-0.0237	-0.0286u
Ca 370.602	139680	139865	140112
Cd 226.502	-0.0861u	-0.2407u	-0.1498u
Co 228.615	0.0376	0.8891	0.8944
Cr 267.716	0.6725	0.3659	1.4092
Cu 324.754	6.4738	6.7200	8.5365
Fe 271.441	62.6726	69.0177	61.1159
K 766.491	6388.27	6365.31	6361.04
Mg 279.078	20769.7	20768.5	20818.9
Mn 257.610	0.4688	0.5805	0.5370
Mo 202.032	6.7924	7.0703	6.5242
Na 330.237	16932.3	16620.5	17018.9
Ni 231.604	1.1854	0.4344	-0.3704u
Pb 220.353	0.2479	-2.8667u	7.0844
Sb 206.834	3.8669	0.8859	8.2365
Se 196.026	20.4750	15.5392	3.6086
Sn 189.925	-8.7523u	0.4113	2.2285
Sr 216.596	485.516	485.718	485.323
Ti 334.941	0.5921	0.6868	0.7498
Tl 190.794	1.1387	6.5378	5.6123
V 292.401	4.0647	3.4990	2.9189
Zn 206.200	4.9669	6.7179	5.5297

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0296	ppb	0.3875	37.6	-160.887
Al 308.215	61.6888	ppb	1.9450	3.2	406.561
As 188.980	-2.4298	ppb	6.8156	280.5	1.1586
B 249.678	119.353	ppb	1.4671	1.2	1365.23
Ba 389.178	47.5817	ppb	0.3333	0.7	998.002
Be 313.042	-0.0221	ppb	0.0074	33.7	-143.870
Ca 370.602	139886	ppb	216.8	0.2	398300
Cd 226.502	-0.1588	ppb	0.0777	48.9	9.5845
Co 228.615	0.6070	ppb	0.4931	81.2	20.3357
Cr 267.716	0.8158	ppb	0.5362	65.7	36.6298
Cu 324.754	7.2434	ppb	1.1266	15.6	404.168
Fe 271.441	64.2687	ppb	4.1857	6.5	111.530
K 766.491	6371.54	ppb	14.6480	0.2	269332
Mg 279.078	20785.7	ppb	28.7523	0.1	41550.3
Mn 257.610	0.5287	ppb	0.0563	10.6	295.677
Mo 202.032	6.7956	ppb	0.2730	4.0	54.1586
Na 330.237	16857.2	ppb	209.544	1.2	813.608
Ni 231.604	0.4164	ppb	0.7780	186.8	3.3718
Pb 220.353	1.4885	ppb	5.0902	342.0	6.7121
Sb 206.834	4.3298	ppb	3.6971	85.4	4.0147
Se 196.026	13.2076	ppb	8.6716	65.7	5.4182
Sn 189.925	-2.0375	ppb	5.8858	288.9	-2.5663
Sr 216.596	485.519	ppb	0.1974	0.0	4181.07
Ti 334.941	0.6762	ppb	0.0794	11.7	192.436
Tl 190.794	4.4296	ppb	2.8873	65.2	0.5602
V 292.401	3.4942	ppb	0.5729	16.4	94.6809
Zn 206.200	5.7382	ppb	0.8939	15.6	10.6276

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88707-e-2-a (Samp) 3/30/2013, 8:55:56 PM Rack 3, Tube 4

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4400u	-0.4881u	-1.3034u
Al 308.215	12297.6	12346.4	12375.9
As 188.980	-6.6144u	-9.2924u	-1.9748u
B 249.678	8.0749	8.2967	7.2493
Ba 389.178	62.4929	61.1817	63.5691
Be 313.042	0.2215	0.2184	0.2283
Ca 370.602	34078	34161	34176
Cd 226.502	-0.0566	-0.1219	-0.2806
Co 228.615	2.2609	2.1162	2.0634
Cr 267.716	11.0041	11.5030	11.4784
Cu 324.754	1.6755	2.2002	2.8462
Fe 271.441	9064.63	9060.68	9051.68
K 766.491	1037.84	1035.73	1036.11
Mg 279.078	2917.67	2930.26	2925.50
Mn 257.610	99.5119	99.3926	99.4492
Mo 202.032	0.7421	-0.6523u	0.2682
Na 330.237	29270.3	29350.7	29528.2
Ni 231.604	4.9223	5.7303	7.2454
Pb 220.353	6.6249	6.7478	6.1764
Sb 206.834	-10.4860u	2.3280	-0.2148
Se 196.026	-9.6728u	10.8621	3.0476
Sn 189.925	-1.2966u	9.0124	3.9244
Sr 216.596	198.406	199.438	201.451
Ti 334.941	46.6393	46.6139	46.8443
Tl 190.794	-0.8895u	-1.9287u	2.3836
V 292.401	41.3009	41.7422	41.2678
Zn 206.200	7.7500	5.8930	4.7452

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7438	ppb	0.4852	65.2	-130.465
Al 308.215	12340.0	ppb	39.5676	0.3	56414.9
As 188.980	-5.9605	ppb	3.7024	62.1	-2.1656
B 249.678	7.8736	ppb	0.5519	7.0	310.773
Ba 389.178	62.4146	ppb	1.1957	1.9	1269.13
Be 313.042	0.2227	ppb	0.0051	2.3	280.007
Ca 370.602	34138	ppb	52.84	0.2	96542
Cd 226.502	-0.1530	ppb	0.1152	75.3	29.1339
Co 228.615	2.1468	ppb	0.1022	4.8	37.6568
Cr 267.716	11.3285	ppb	0.2812	2.5	450.238
Cu 324.754	2.2407	ppb	0.5864	26.2	186.157
Fe 271.441	9059.00	ppb	6.6388	0.1	14358.5
K 766.491	1036.56	ppb	1.1263	0.1	44005.0
Mg 279.078	2924.48	ppb	6.3589	0.2	5868.79
Mn 257.610	99.4512	ppb	0.0597	0.1	21369.6
Mo 202.032	0.1194	ppb	0.7090	593.9	15.2134
Na 330.237	29383.0	ppb	131.970	0.4	1412.84
Ni 231.604	5.9660	ppb	1.1793	19.8	16.9766
Pb 220.353	6.5164	ppb	0.3007	4.6	13.8508
Sb 206.834	-2.7909	ppb	6.7843	243.1	-0.9933
Se 196.026	1.4123	ppb	10.3646	733.9	0.0041
Sn 189.925	3.8801	ppb	5.1546	132.8	1.4572
Sr 216.596	199.765	ppb	1.5487	0.8	1727.73
Ti 334.941	46.6992	ppb	0.1263	0.3	10373.4
Tl 190.794	-0.1449	ppb	2.2505	1553.4	-4.0244
V 292.401	41.4370	ppb	0.2649	0.6	1048.96
Zn 206.200	6.1294	ppb	1.5163	24.7	111841

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88707-e-2-b ms (Samp) **3/30/2013, 9:01:23 PM** **Rack 3, Tube 5****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	35.7462	36.2385	35.0443
Al 308.215	14852.5	14894.7	14882.0
As 188.980	114.632	117.685	116.656
B 249.678	260.807	261.495	263.122
Ba 389.178	160.570	162.225	162.165
Be 313.042	60.7299	60.7771	60.7265
Ca 370.602	41239	41400	41415
Cd 226.502	59.5273	59.6371	59.3525
Co 228.615	61.8067	60.7326	60.7122
Cr 267.716	123.533	124.931	124.818
Cu 324.754	116.060	116.458	112.372
Fe 271.441	13624.6	13639.4	13613.3
K 766.491	7328.23	7317.57	7296.83
Mg 279.078	8889.98	8907.47	8904.33
Mn 257.610	683.060	682.786	682.194
Mo 202.032	106.984	106.695	108.381
Na 330.237	35836.3	35705.4	35469.1
Ni 231.604	121.610	119.961	122.319
Pb 220.353	60.8235	54.2737	62.7002
Sb 206.834	47.6212	49.0229	48.4380
Se 196.026	121.552	120.590	125.709
Sn 189.925	217.304	217.248	216.877
Sr 216.596	317.935	318.856	318.672
Ti 334.941	125.393	125.963	126.088
Tl 190.794	49.4433	42.0973	47.4435
V 292.401	150.531	151.478	150.167
Zn 206.200	127.396	128.459	126.674

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.6764	ppb	0.6001	1.7	2190.84
Al 308.215	14876.4	ppb	21.6711	0.1	67995.1
As 188.980	116.325	ppb	1.5535	1.3	76.8782
B 249.678	261.808	ppb	1.1889	0.5	2689.27
Ba 389.178	161.654	ppb	0.9391	0.6	3305.57
Be 313.042	60.7445	ppb	0.0283	0.0	114210
Ca 370.602	41351	ppb	97.30	0.2	116778
Cd 226.502	59.5057	ppb	0.1436	0.2	2041.89
Co 228.615	61.0838	ppb	0.6261	1.0	659.575
Cr 267.716	124.427	ppb	0.7766	0.6	4878.84
Cu 324.754	114.963	ppb	2.2531	2.0	5142.66
Fe 271.441	13625.8	ppb	13.0932	0.1	21601.3
K 766.491	7314.21	ppb	15.9703	0.2	309147
Mg 279.078	8900.60	ppb	9.3253	0.1	17797.3
Mn 257.610	682.680	ppb	0.4422	0.1	146110
Mo 202.032	107.353	ppb	0.9015	0.8	633.739
Na 330.237	35670.3	ppb	186.092	0.5	1712.34
Ni 231.604	121.297	ppb	1.2103	1.0	296.147
Pb 220.353	59.2658	ppb	4.4239	7.5	90.6782
Sb 206.834	48.3607	ppb	0.7040	1.5	37.3469
Se 196.026	122.617	ppb	2.7208	2.2	56.5434
Sn 189.925	217.143	ppb	0.2316	0.1	147.672
Sr 216.596	318.487	ppb	0.4874	0.2	2742.06
Ti 334.941	125.815	ppb	0.3703	0.3	28007.5
Tl 190.794	46.3280	ppb	3.7979	8.2	36.3521
V 292.401	150.725	ppb	0.6768	0.4	3770.35
Zn 206.200	127.510	ppb	0.8980	0.7	192.402

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88707-e-2-c msd (Samp) **3/30/2013, 9:06:49 PM** **Rack 3, Tube 6****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	35.6568	36.4553	35.1935
Al 308.215	17483.6	17532.5	17503.0
As 188.980	110.418	114.990	119.832
B 249.678	263.897	267.155	268.874
Ba 389.178	166.762	167.223	167.890
Be 313.042	60.8783	60.8994	60.7755
Ca 370.602	41840	41881	41838
Cd 226.502	60.1014	59.6195	59.8555
Co 228.615	61.5251	61.1599	61.4815
Cr 267.716	125.482	126.295	126.110
Cu 324.754	113.352	114.612	115.829
Fe 271.441	14517.8	14523.7	14467.0
K 766.491	7400.25	7375.72	7367.64
Mg 279.078	9117.23	9115.34	9102.13
Mn 257.610	686.862	687.668	685.522
Mo 202.032	107.869	106.949	105.263
Na 330.237	35912.7	36007.4	35940.4
Ni 231.604	120.649	121.123	120.734
Pb 220.353	60.5464	62.0977	59.7104
Sb 206.834	53.7690	66.0728	52.6426
Se 196.026	125.386	129.451	122.050
Sn 189.925	217.535	217.806	222.608
Sr 216.596	322.316	323.114	321.589
Ti 334.941	130.678	130.813	130.602
Tl 190.794	39.3836	54.3327	38.1714
V 292.401	154.205	153.606	152.759
Zn 206.200	128.269	128.938	130.119

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	35.7685	ppb	0.6383	1.8	2196.58
Al 308.215	17506.4	ppb	24.6236	0.1	79992.3
As 188.980	115.080	ppb	4.7076	4.1	76.0683
B 249.678	266.642	ppb	2.5281	0.9	2733.81
Ba 389.178	167.292	ppb	0.5673	0.3	3421.70
Be 313.042	60.8510	ppb	0.0663	0.1	114411
Ca 370.602	41853	ppb	24.27	0.1	118143
Cd 226.502	59.8588	ppb	0.2410	0.4	2055.66
Co 228.615	61.3888	ppb	0.1995	0.3	662.898
Cr 267.716	125.962	ppb	0.4261	0.3	4939.12
Cu 324.754	114.597	ppb	1.2386	1.1	5126.77
Fe 271.441	14502.8	ppb	31.2022	0.2	22990.5
K 766.491	7381.21	ppb	16.9820	0.2	311976
Mg 279.078	9111.57	ppb	8.2283	0.1	18218.1
Mn 257.610	686.684	ppb	1.0842	0.2	146969
Mo 202.032	106.694	ppb	1.3219	1.2	629.895
Na 330.237	35953.5	ppb	48.7052	0.1	1725.67
Ni 231.604	120.835	ppb	0.2526	0.2	295.047
Pb 220.353	60.7848	ppb	1.2114	2.0	92.8496
Sb 206.834	57.4948	ppb	7.4500	13.0	44.1865
Se 196.026	125.629	ppb	3.7068	3.0	57.9501
Sn 189.925	219.316	ppb	2.8539	1.3	149.162
Sr 216.596	322.340	ppb	0.7629	0.2	2775.37
Ti 334.941	130.698	ppb	0.1067	0.1	29095.4
Tl 190.794	43.9626	ppb	9.0012	20.5	34.2057
V 292.401	153.523	ppb	0.7265	0.5	3840.67
Zn 206.200	129.109	ppb	0.9367	0.7	195.803

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88707-e-3-a (Samp) 3/30/2013, 9:12:16 PM Rack 3, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5829u	-0.6392u	0.0727
Al 308.215	193.957	192.399	192.941
As 188.980	-2.7246u	-6.2534u	1.8258
B 249.678	31.0363	30.0614	29.3372
Ba 389.178	55.7639	55.0941	55.5973
Be 313.042	1.0746	1.0575	1.0628
Ca 370.602	6384	6403	6393
Cd 226.502	1.3224	1.3479	1.0918
Co 228.615	44.2476	44.4814	43.9712
Cr 267.716	0.2612	0.5532	-0.0663u
Cu 324.754	2.2637	2.5523	1.8881
Fe 271.441	9456.65	9478.72	9418.90
K 766.491	6045.20	6040.21	6020.43
Mg 279.078	9737.08	9767.56	9741.58
Mn 257.610	144.337	144.412	144.069
Mo 202.032	0.8142	-0.1199u	0.1576
Na 330.237	39678.9	39834.4	40198.3
Ni 231.604	50.1843	49.7864	50.5146
Pb 220.353	16.4937	7.5135	8.9506
Sb 206.834	-3.1419u	7.5076	-3.6342u
Se 196.026	5.3835	5.6643	11.5253
Sn 189.925	-2.6451u	-7.8195u	0.6497
Sr 216.596	102.926	103.753	103.719
Ti 334.941	0.0170	-0.2234u	-0.2779u
Tl 190.794	5.2373	3.8320	4.7377
V 292.401	85.2873	84.1618	84.2529
Zn 206.200	63.3516	63.3893	64.1762

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3831	ppb	0.3958	103.3	-103.457
Al 308.215	193.099	ppb	0.7913	0.4	1004.14
As 188.980	-2.3841	ppb	4.0503	169.9	-0.1060
B 249.678	30.1449	ppb	0.8526	2.8	519.398
Ba 389.178	55.4851	ppb	0.3487	0.6	1144.74
Be 313.042	1.0650	ppb	0.0087	0.8	1851.53
Ca 370.602	6394	ppb	9.478	0.1	17505
Cd 226.502	1.2540	ppb	0.1411	11.2	77.2403
Co 228.615	44.2334	ppb	0.2554	0.6	481.621
Cr 267.716	0.2494	ppb	0.3099	124.3	16.4574
Cu 324.754	2.2347	ppb	0.3330	14.9	185.609
Fe 271.441	9451.42	ppb	30.2527	0.3	14986.5
K 766.491	6035.28	ppb	13.0997	0.2	255130
Mg 279.078	9748.74	ppb	16.4534	0.2	19503.2
Mn 257.610	144.272	ppb	0.1804	0.1	30990.2
Mo 202.032	0.2839	ppb	0.4797	168.9	16.0826
Na 330.237	39903.9	ppb	266.547	0.7	1918.37
Ni 231.604	50.1618	ppb	0.3646	0.7	123.926
Pb 220.353	10.9859	ppb	4.8237	43.9	20.5857
Sb 206.834	0.2439	ppb	6.2954	2581.6	1.2006
Se 196.026	7.5244	ppb	3.4678	46.1	2.8597
Sn 189.925	-3.2716	ppb	4.2692	130.5	-3.4525
Sr 216.596	103.466	ppb	0.4678	0.5	900.096
Ti 334.941	-0.1614	ppb	0.1569	97.2	-34.7185
Tl 190.794	4.6023	ppb	0.7124	15.5	0.1586
V 292.401	84.5673	ppb	0.6252	0.7	2132.78
Zn 206.200	63.6390	ppb	0.4655	0.7	462.7101

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88707-e-3-aSD^5 (Samp) **3/30/2013, 9:17:42 PM****Rack 3, Tube 8****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4682	0.5461	-0.9573u
Al 308.215	42.8778	43.1777	44.1772
As 188.980	-14.9681u	-9.1466u	-1.9264u
B 249.678	-6.7146u	-7.2984u	-6.8340u
Ba 389.178	11.0037	8.7508	12.0206
Be 313.042	0.1867	0.1972	0.1953
Ca 370.602	1284	1292	1299
Cd 226.502	0.0752	0.2009	0.1791
Co 228.615	8.9764	8.8076	9.5127
Cr 267.716	0.1266	-0.4077u	-0.2384u
Cu 324.754	0.5553	0.3140	0.4772
Fe 271.441	1889.85	1911.49	1899.80
K 766.491	1192.17	1200.67	1194.55
Mg 279.078	1948.15	1974.98	1963.24
Mn 257.610	29.7097	29.9691	29.8089
Mo 202.032	0.7824	0.2498	0.0964
Na 330.237	7684.59	8038.56	7686.40
Ni 231.604	9.3734	10.6180	9.2646
Pb 220.353	2.6432	-1.0216u	2.9081
Sb 206.834	4.2430	-1.9413u	1.1343
Se 196.026	0.3428	4.5949	-7.0135u
Sn 189.925	5.0518	1.2662	-1.6549u
Sr 216.596	20.9248	21.5298	19.8977
Ti 334.941	-0.2621u	-0.1729u	-0.2928u
Tl 190.794	-1.3632u	-2.2291u	-3.2826u
V 292.401	16.7837	16.8863	16.9273
Zn 206.200	14.2054	15.7483	16.5927

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0190	ppb	0.8464	4448.6	-75.2687
Al 308.215	43.4109	ppb	0.6804	1.6	322.275
As 188.980	-8.6804	ppb	6.5334	75.3	-4.1424
B 249.678	-6.9490	ppb	0.3084	4.4	178.365
Ba 389.178	10.5917	ppb	1.6734	15.8	205.100
Be 313.042	0.1931	ppb	0.0056	2.9	215.082
Ca 370.602	1291	ppb	7.327	0.6	3520
Cd 226.502	0.1517	ppb	0.0672	44.3	23.8535
Co 228.615	9.0989	ppb	0.3682	4.0	110.265
Cr 267.716	-0.1732	ppb	0.2731	157.7	-1.8680
Cu 324.754	0.4488	ppb	0.1231	27.4	105.769
Fe 271.441	1900.38	ppb	10.8290	0.6	3020.98
K 766.491	1195.80	ppb	4.3872	0.4	50730.6
Mg 279.078	1962.12	ppb	13.4505	0.7	3949.86
Mn 257.610	29.8292	ppb	0.1309	0.4	6460.64
Mo 202.032	0.3762	ppb	0.3600	95.7	17.0173
Na 330.237	7803.18	ppb	203.842	2.6	377.829
Ni 231.604	9.7520	ppb	0.7520	7.7	25.9974
Pb 220.353	1.5099	ppb	2.1963	145.5	6.7552
Sb 206.834	1.1453	ppb	3.0921	270.0	1.7359
Se 196.026	-0.6919	ppb	5.8730	848.8	-1.0303
Sn 189.925	1.5544	ppb	3.3626	216.3	-0.1551
Sr 216.596	20.7841	ppb	0.8251	4.0	189.550
Ti 334.941	-0.2426	ppb	0.0623	25.7	-79.7107
Tl 190.794	-2.2916	ppb	0.9612	41.9	-5.5236
V 292.401	16.8657	ppb	0.0739	0.4	431.792
Zn 206.200	15.5155	ppb	1.2195	7.8	25.3352

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88707-e-3-aPDS (Samp) **3/30/2013, 9:23:08 PM** **Rack 3, Tube 9****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	53.3421	51.6611	50.9832
Al 308.215	2376.27	2381.49	2386.92
As 188.980	2466.27	2474.08	2470.58
B 249.678	1268.03	1282.91	1286.89
Ba 389.178	2101.84	2101.59	2100.37
Be 313.042	58.3939	58.3365	58.4040
Ca 370.602	11598	11581	11610
Cd 226.502	58.7032	59.2687	59.2455
Co 228.615	628.813	620.602	621.583
Cr 267.716	225.404	225.089	225.655
Cu 324.754	277.888	275.565	277.153
Fe 271.441	10306.5	10307.8	10301.4
K 766.491	12199.9	12171.5	12143.6
Mg 279.078	15621.5	15643.6	15618.7
Mn 257.610	707.398	708.339	707.796
Mo 202.032	541.725	539.680	539.625
Na 330.237	45034.6	44807.2	44835.8
Ni 231.604	616.202	618.586	616.203
Pb 220.353	561.146	556.867	555.258
Sb 206.834	524.196	535.597	508.242
Se 196.026	2380.79	2376.94	2371.32
Sn 189.925	1108.09	1121.79	1125.41
Sr 216.596	664.948	665.472	668.303
Ti 334.941	1048.34	1047.34	1051.83
Tl 190.794	2188.86	2218.85	2208.34
V 292.401	629.818	630.154	629.223
Zn 206.200	650.897	654.707	647.046

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.9954	ppb	1.2145	2.3	3220.70
Al 308.215	2381.56	ppb	5.3260	0.2	11037.5
As 188.980	2470.31	ppb	3.9121	0.2	1598.38
B 249.678	1279.28	ppb	9.9422	0.8	12239.6
Ba 389.178	2101.27	ppb	0.7880	0.0	42726.9
Be 313.042	58.3781	ppb	0.0364	0.1	109654
Ca 370.602	11596	ppb	14.82	0.1	32445
Cd 226.502	59.0725	ppb	0.3200	0.5	2020.24
Co 228.615	623.666	ppb	4.4843	0.7	6617.61
Cr 267.716	225.383	ppb	0.2834	0.1	8827.51
Cu 324.754	276.869	ppb	1.1870	0.4	12263.3
Fe 271.441	10305.2	ppb	3.3938	0.0	16427.2
K 766.491	12171.7	ppb	28.1371	0.2	514306
Mg 279.078	15628.0	ppb	13.6088	0.1	31237.9
Mn 257.610	707.844	ppb	0.4723	0.1	151518
Mo 202.032	540.343	ppb	1.1973	0.2	3132.04
Na 330.237	44892.6	ppb	123.851	0.3	2146.17
Ni 231.604	616.997	ppb	1.3762	0.2	1495.59
Pb 220.353	557.757	ppb	3.0431	0.5	816.856
Sb 206.834	522.678	ppb	13.7404	2.6	387.293
Se 196.026	2376.35	ppb	4.7624	0.2	1104.85
Sn 189.925	1118.43	ppb	9.1319	0.8	765.573
Sr 216.596	666.241	ppb	1.8047	0.3	5697.77
Ti 334.941	1049.17	ppb	2.3576	0.2	233583
Tl 190.794	2205.35	ppb	15.2169	0.7	1956.07
V 292.401	629.732	ppb	0.4717	0.1	15734.8
Zn 206.200	650.883	ppb	3.8302	0.6	989.242

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-270754/1-a (Samp) 3/30/2013, 9:28:34 PM Rack 3, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.0142u	0.0283	-0.7076u
Al 308.215	6.3370	4.8146	7.0857
As 188.980	-2.9981u	-5.4034u	-3.9262u
B 249.678	16.8260	14.5388	11.2437
Ba 389.178	-0.0309u	-1.8257u	-0.0513u
Be 313.042	-0.0228u	-0.0014u	-0.0061u
Ca 370.602	0.6455	5.525	11.49
Cd 226.502	0.0919	-0.0418u	0.0694
Co 228.615	-0.2868u	-0.3322u	-0.0053u
Cr 267.716	-0.4458u	-0.2919u	-0.0281u
Cu 324.754	-1.8659u	-0.1431u	-0.9641u
Fe 271.441	8.9590	-1.4336u	5.0610
K 766.491	2.0669	1.8162	2.1575
Mg 279.078	7.2312	2.4549	2.9091
Mn 257.610	0.0100	-0.0457u	0.0238
Mo 202.032	0.6948	0.8942	0.8540
Na 330.237	478.578	147.888	-1.6122u
Ni 231.604	0.5650	1.0134	2.8907
Pb 220.353	2.9961	1.7482	-6.4167u
Sb 206.834	1.6478	0.0833	-3.7686u
Se 196.026	-1.5544u	8.2641	-1.3431u
Sn 189.925	1.5195	0.4127	-0.4653u
Sr 216.596	0.8557	0.5912	-0.1393u
Ti 334.941	0.1217	0.0316	0.0518
Tl 190.794	8.2173	7.5768	10.0250
V 292.401	-0.2685u	-0.0525u	-0.3715u
Zn 206.200	1.7998	1.7109	0.9080

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5645	ppb	0.5358	94.9	-111.868
Al 308.215	6.0791	ppb	1.1573	19.0	152.300
As 188.980	-4.1092	ppb	1.2130	29.5	-1.1786
B 249.678	14.2028	ppb	2.8063	19.8	378.613
Ba 389.178	-0.6360	ppb	1.0304	162.0	-29.9420
Be 313.042	-0.0101	ppb	0.0112	111.1	-166.325
Ca 370.602	5.886	ppb	5.430	92.3	-3.340
Cd 226.502	0.0398	ppb	0.0716	179.7	15.9629
Co 228.615	-0.2081	ppb	0.1771	85.1	11.8758
Cr 267.716	-0.2553	ppb	0.2112	82.7	-5.5281
Cu 324.754	-0.9910	ppb	0.8617	86.9	42.1697
Fe 271.441	4.1955	ppb	5.2501	125.1	16.2169
K 766.491	2.0135	ppb	0.1768	8.8	310.168
Mg 279.078	4.1984	ppb	2.6363	62.8	39.0321
Mn 257.610	-0.0040	ppb	0.0368	924.7	66.7653
Mo 202.032	0.8143	ppb	0.1054	12.9	19.6472
Na 330.237	208.285	ppb	245.726	118.0	13.3934
Ni 231.604	1.4897	ppb	1.2338	82.8	5.9677
Pb 220.353	-0.5575	ppb	5.1125	917.1	3.7364
Sb 206.834	-0.6792	ppb	2.7875	410.4	0.3347
Se 196.026	1.7889	ppb	5.6088	313.5	0.1062
Sn 189.925	0.4890	ppb	0.9946	203.4	-0.8882
Sr 216.596	0.4358	ppb	0.5154	118.2	14.6198
Ti 334.941	0.0684	ppb	0.0473	69.1	-17.2820
Tl 190.794	8.6064	ppb	1.2696	14.8	4.2777
V 292.401	-0.2308	ppb	0.1628	70.5	2.1075
Zn 206.200	1.4729	ppb	0.4912	33.3	4.2157

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-270754/2-a (Samp) 3/30/2013, 9:34:01 PM Rack 3, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	11.3792	11.1708	10.3988
Al 308.215	5445.23	5441.98	5456.16
As 188.980	114.893	115.429	109.892
B 249.678	231.319	229.826	232.250
Ba 389.178	100.286	100.512	100.160
Be 313.042	56.3336	56.2763	56.1605
Ca 370.602	5210	5217	5221
Cd 226.502	57.5622	57.5283	57.4273
Co 228.615	56.4728	57.5913	56.6106
Cr 267.716	111.364	110.987	111.770
Cu 324.754	107.044	107.345	103.696
Fe 271.441	5574.51	5562.98	5543.04
K 766.491	5720.05	5693.75	5672.62
Mg 279.078	5905.10	5878.51	5899.04
Mn 257.610	558.561	558.462	557.392
Mo 202.032	104.604	105.476	107.048
Na 330.237	5445.46	5572.13	5728.99
Ni 231.604	109.956	111.290	109.781
Pb 220.353	55.3002	51.4846	56.3817
Sb 206.834	55.0154	41.8412	48.0064
Se 196.026	114.929	115.255	131.186
Sn 189.925	214.301	210.207	212.330
Sr 216.596	109.737	110.947	110.856
Ti 334.941	102.763	103.076	102.962
Tl 190.794	49.3074	43.9417	37.8672
V 292.401	108.787	108.966	108.902
Zn 206.200	118.906	118.421	117.698

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.9829	ppb	0.5165	4.7	623.152
Al 308.215	5447.79	ppb	7.4275	0.1	24985.3
As 188.980	113.405	ppb	3.0541	2.7	74.7523
B 249.678	231.132	ppb	1.2229	0.5	2408.95
Ba 389.178	100.319	ppb	0.1784	0.2	2042.38
Be 313.042	56.2568	ppb	0.0882	0.2	105752
Ca 370.602	5216	ppb	5.826	0.1	14460
Cd 226.502	57.5060	ppb	0.0702	0.1	1957.28
Co 228.615	56.8916	ppb	0.6099	1.1	614.961
Cr 267.716	111.374	ppb	0.3916	0.4	4365.73
Cu 324.754	106.028	ppb	2.0254	1.9	4748.25
Fe 271.441	5560.18	ppb	15.9245	0.3	8825.49
K 766.491	5695.47	ppb	23.7631	0.4	240778
Mg 279.078	5894.22	ppb	13.9396	0.2	11795.3
Mn 257.610	558.139	ppb	0.6481	0.1	119445
Mo 202.032	105.709	ppb	1.2382	1.2	624.636
Na 330.237	5582.20	ppb	142.032	2.5	268.582
Ni 231.604	110.342	ppb	0.8254	0.7	269.481
Pb 220.353	54.3888	ppb	2.5726	4.7	83.7081
Sb 206.834	48.2877	ppb	6.5916	13.7	37.0517
Se 196.026	120.457	ppb	9.2933	7.7	55.4650
Sn 189.925	212.279	ppb	2.0473	1.0	144.316
Sr 216.596	110.513	ppb	0.6742	0.6	955.178
Ti 334.941	102.933	ppb	0.1583	0.2	22903.6
Tl 190.794	43.7054	ppb	5.7237	13.1	34.5312
V 292.401	108.885	ppb	0.0905	0.1	2719.94
Zn 206.200	118.341	ppb	0.6981	0.5	179.651

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Ics 680-270754/3-a (Samp) 3/30/2013, 9:39:38 PM Rack 3, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	210.836	209.747	209.121
Al 308.215	2171.81	2162.92	2167.07
As 188.980	237.863	234.078	231.782
B 249.678	465.482	467.519	469.086
Ba 389.178	196.626	195.782	196.265
Be 313.042	224.318	223.137	223.652
Ca 370.602	21134	21097	21128
Cd 226.502	226.524	225.155	225.177
Co 228.615	225.944	220.724	222.028
Cr 267.716	220.161	219.872	220.632
Cu 324.754	214.224	212.796	212.839
Fe 271.441	23231.9	22975.8	22950.0
K 766.491	22646.5	22486.5	22503.3
Mg 279.078	23629.2	23524.4	23535.2
Mn 257.610	2239.85	2227.07	2228.80
Mo 202.032	209.398	208.629	210.135
Na 330.237	20528.2	20265.9	20674.4
Ni 231.604	221.487	223.628	219.318
Pb 220.353	214.344	211.096	214.664
Sb 206.834	205.450	201.210	198.940
Se 196.026	227.395	231.262	231.311
Sn 189.925	213.167	214.208	208.182
Sr 216.596	230.703	230.081	230.292
Ti 334.941	206.467	206.142	206.378
Tl 190.794	37.8980	48.8058	47.7544
V 292.401	215.237	213.503	214.493
Zn 206.200	219.882	219.631	218.698

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	209.901	ppb	0.8677	0.4	13314.2
Al 308.215	2167.27	ppb	4.4491	0.2	10030.3
As 188.980	234.574	ppb	3.0709	1.3	153.015
B 249.678	467.362	ppb	1.8068	0.4	4609.28
Ba 389.178	196.224	ppb	0.4237	0.2	4054.20
Be 313.042	223.703	ppb	0.5921	0.3	420997
Ca 370.602	21120	ppb	19.94	0.1	58536
Cd 226.502	225.619	ppb	0.7844	0.3	7639.17
Co 228.615	222.899	ppb	2.7164	1.2	2369.63
Cr 267.716	220.222	ppb	0.3835	0.2	8633.63
Cu 324.754	213.286	ppb	0.8127	0.4	9467.94
Fe 271.441	23052.6	ppb	155.854	0.7	36556.0
K 766.491	22545.4	ppb	87.8951	0.4	952450
Mg 279.078	23563.0	ppb	57.6538	0.2	47067.2
Mn 257.610	2231.91	ppb	6.9321	0.3	477443
Mo 202.032	209.387	ppb	0.7535	0.4	1222.13
Na 330.237	20489.5	ppb	206.976	1.0	978.777
Ni 231.604	221.478	ppb	2.1550	1.0	538.744
Pb 220.353	213.368	ppb	1.9739	0.9	315.742
Sb 206.834	201.867	ppb	3.3041	1.6	152.584
Se 196.026	229.989	ppb	2.2464	1.0	106.900
Sn 189.925	211.852	ppb	3.2211	1.5	144.033
Sr 216.596	230.359	ppb	0.3160	0.1	1984.15
Ti 334.941	206.329	ppb	0.1679	0.1	45985.5
Tl 190.794	44.8194	ppb	6.0171	13.4	32.6206
V 292.401	214.411	ppb	0.8701	0.4	5347.85
Zn 206.200	219.404	ppb	0.6238	0.3	221.323

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 9:45:05 PM Rack 3, Tube 13

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	507.469	517.342	505.365
Al 308.215	5421.67	5499.29	5467.70
As 188.980	526.192	528.045	530.906
B 249.678	632.388	641.720	647.767
Ba 389.178	4704.52	4740.34	4726.48
Be 313.042	505.309	510.879	508.153
Ca 370.602	5181	5249	5216
Cd 226.502	522.783	525.870	524.373
Co 228.615	519.910	523.885	522.459
Cr 267.716	5076.12	5156.36	5128.09
Cu 324.754	4861.55	4972.26	4839.35
Fe 271.441	5489.78	5515.47	5508.40
K 766.491	11218.7	11272.2	11238.7
Mg 279.078	5714.95	5777.59	5750.58
Mn 257.610	5057.01	5089.83	5080.11
Mo 202.032	504.253	512.810	512.440
Na 330.237	8482.72	8332.41	8870.03
Ni 231.604	2612.06	2647.28	2627.00
Pb 220.353	532.128	541.351	527.688
Sb 206.834	989.514	1015.07	1009.56
Se 196.026	5550.09	5597.33	5582.98
Sn 189.925	5258.27	5360.23	5332.73
Sr 216.596	2604.36	2652.04	2640.55
Ti 334.941	506.160	513.764	511.745
Tl 190.794	5271.00	5349.73	5326.58
V 292.401	5200.77	5227.58	5219.22
Zn 206.200	2692.16	2723.23	2719.63

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	510.058	ppb	6.3947	1.3	32405.1	102.01169
Al 308.215	5462.89	ppb	39.0347	0.7	25025.1	109.25780
As 188.980	528.381	ppb	2.3749	0.4	342.921	105.67619
B 249.678	640.625	ppb	7.7474	1.2	6251.37	25.62500Q
Ba 389.178	4723.78	ppb	18.0633	0.4	95988.2	94.47562
Be 313.042	508.113	ppb	2.7852	0.5	956248	101.62270
Ca 370.602	5215	ppb	33.88	0.6	14684	104.30964
Cd 226.502	524.342	ppb	1.5435	0.3	17629.0	104.86843
Co 228.615	522.084	ppb	2.0135	0.4	5543.42	104.41689
Cr 267.716	5120.19	ppb	40.7009	0.8	200387	102.40379
Cu 324.754	4891.05	ppb	71.1971	1.5	214993	97.82102
Fe 271.441	5504.55	ppb	13.2672	0.2	8848.47	110.09100Q
K 766.491	11243.2	ppb	27.0368	0.2	475091	112.43195Q
Mg 279.078	5747.70	ppb	31.4201	0.5	11433.8	114.95408Q
Mn 257.610	5075.65	ppb	16.8560	0.3	1085302	101.51301
Mo 202.032	509.834	ppb	4.8368	0.9	2949.26	101.96683
Na 330.237	8561.72	ppb	277.380	3.2	390.670	114.15627Q
Ni 231.604	2628.78	ppb	17.6777	0.7	6363.70	105.15123
Pb 220.353	533.722	ppb	6.9701	1.3	782.903	106.74443
Sb 206.834	1004.71	ppb	13.4487	1.3	786.275	100.47134
Se 196.026	5576.80	ppb	24.2148	0.4	2594.52	111.53600Q
Sn 189.925	5317.07	ppb	52.7538	1.0	3644.09	106.34149
Sr 216.596	2632.32	ppb	24.8835	0.9	22510.1	105.29263
Ti 334.941	510.556	ppb	3.9384	0.8	113645	102.11127
Tl 190.794	5315.77	ppb	40.4610	0.8	4717.63	106.31547
V 292.401	5215.86	ppb	13.7191	0.3	130693	104.31721
Zn 206.200	2711.67	ppb	16.9976	0.6	4065.10	108.46694

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 9:50:31 PM Rack 3, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7630	-0.2412u	-0.3629u
Al 308.215	3.5916	3.3171	3.4298
As 188.980	-2.8535u	-8.4747u	-0.6531u
B 249.678	4.3424	1.0683	-1.8884u
Ba 389.178	0.3431	0.3507	2.4859
Be 313.042	0.0196	0.0054	0.0179
Ca 370.602	-4.178u	-3.082u	8.538
Cd 226.502	0.1988	-0.3423u	-0.0816u
Co 228.615	-0.4780u	0.7267	-0.8435u
Cr 267.716	-0.1657u	-0.3184u	-0.1804u
Cu 324.754	-0.1657u	-0.7687u	-1.0495u
Fe 271.441	-3.9490u	2.3708	-3.4456u
K 766.491	0.1304	0.9224	0.8691
Mg 279.078	0.8593	-0.5770u	-6.4010u
Mn 257.610	-0.0349u	-0.0393u	-0.0262u
Mo 202.032	0.1607	0.5182	0.0901
Na 330.237	335.270	27.9053	55.4599
Ni 231.604	-0.5541u	-0.5142u	0.9375
Pb 220.353	3.3508	-0.9436u	-1.4275u
Sb 206.834	13.7500	13.6596	6.6538
Se 196.026	4.6532	2.8011	5.4212
Sn 189.925	3.3658	2.9401	0.2016
Sr 216.596	0.2883	-0.4573u	-0.0309u
Ti 334.941	0.0144	-0.0593u	-0.2310u
Tl 190.794	3.9323	2.2840	8.3197
V 292.401	-0.3204u	0.2878	0.0840
Zn 206.200	0.8484	2.2670	-0.2082u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.0530	ppb	0.6179	1166.3	-72.4473	0.05298
Al 308.215	3.4462	ppb	0.1380	4.0	140.250	3.44616
As 188.980	-3.9938	ppb	4.0335	101.0	-1.1039	-3.99376
B 249.678	1.1741	ppb	3.1167	265.5	256.361	1.17411
Ba 389.178	1.0599	ppb	1.2350	116.5	4.4960	1.05989
Be 313.042	0.0143	ppb	0.0078	54.3	-120.386	0.01429
Ca 370.602	0.4258	ppb	7.046	1654.7	-18.83	0.42584
Cd 226.502	-0.0751	ppb	0.2706	360.5	12.1041	-0.07506
Co 228.615	-0.1982	ppb	0.8216	414.5	11.9863	-0.19823
Cr 267.716	-0.2215	ppb	0.0842	38.0	-4.2091	-0.22153
Cu 324.754	-0.6613	ppb	0.4516	68.3	56.6494	-0.66130
Fe 271.441	-1.6746	ppb	3.5125	209.7	6.9421	-1.67462
K 766.491	0.6406	ppb	0.4427	69.1	252.183	0.64064
Mg 279.078	-2.0396	ppb	3.8448	188.5	26.5736	-2.03957
Mn 257.610	-0.0334	ppb	0.0067	19.9	60.4305	-0.03345
Mo 202.032	0.2564	ppb	0.2295	89.5	16.4267	0.25635
Na 330.237	139.545	ppb	170.062	121.9	10.0944	139.54500
Ni 231.604	-0.0436	ppb	0.8499	1950.7	2.2574	-0.04357
Pb 220.353	0.3266	ppb	2.6302	805.4	5.0264	0.32656
Sb 206.834	11.3545	ppb	4.0711	35.9	9.3106	11.35445Z
Se 196.026	4.2918	ppb	1.3469	31.4	1.2704	4.29185
Sn 189.925	2.1692	ppb	1.7172	79.2	0.2637	2.16918
Sr 216.596	-0.0666	ppb	0.3741	561.8	10.3683	-0.06659
Ti 334.941	-0.0920	ppb	0.1259	136.9	-53.0031	-0.09198
Tl 190.794	4.8454	ppb	3.1197	64.4	0.9347	4.84535
V 292.401	0.0172	ppb	0.3096	1804.9	8.3988	0.01715
Zn 206.200	0.9691	ppb	1.2420	128.3	2.4579	0.96907

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88643-b-1-a (Samp) 3/30/2013, 9:55:57 PM Rack 3, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.7452u	-0.0703u	-1.5359u
Al 308.215	323.013	325.033	324.653
As 188.980	-5.0996u	-9.3312u	-3.7115u
B 249.678	81.9621	81.2255	83.1716
Ba 389.178	68.8002	68.5759	66.7590
Be 313.042	0.0039	0.0018	0.0062
Ca 370.602	118604	118915	118695
Cd 226.502	0.0306	0.2147	0.1087
Co 228.615	0.4476	0.5637	0.8426
Cr 267.716	0.6519	0.1135	0.4294
Cu 324.754	2.1830	2.3247	2.7565
Fe 271.441	448.074	462.758	462.507
K 766.491	792.985	791.109	787.198
Mg 279.078	17464.8	17481.1	17467.6
Mn 257.610	190.112	190.324	190.072
Mo 202.032	-0.3603u	-0.3064u	0.4967
Na 330.237	16109.5	16217.3	16823.7
Ni 231.604	4.6866	7.0947	6.1052
Pb 220.353	2.6236	-1.3316u	-2.0351u
Sb 206.834	-6.8481u	9.7582	4.9486
Se 196.026	10.1917	11.5231	9.2883
Sn 189.925	-2.1480u	-0.0395	-3.7529u
Sr 216.596	321.399	324.382	321.988
Ti 334.941	2.7444	2.4775	2.6285
Tl 190.794	5.8722	-0.2191u	-3.3008u
V 292.401	0.2177	0.1176	0.6133
Zn 206.200	7.2684	7.5610	6.6222

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7838	ppb	0.7336	93.6	-138.176
Al 308.215	324.233	ppb	1.0739	0.3	1603.54
As 188.980	-6.0474	ppb	2.9273	48.4	-1.3809
B 249.678	82.1198	ppb	0.9826	1.2	1015.48
Ba 389.178	68.0451	ppb	1.1194	1.6	1406.49
Be 313.042	0.0040	ppb	0.0022	56.1	-101.026
Ca 370.602	118738	ppb	160.1	0.1	338059
Cd 226.502	0.1180	ppb	0.0924	78.3	19.7016
Co 228.615	0.6180	ppb	0.2030	32.9	20.6859
Cr 267.716	0.3983	ppb	0.2705	67.9	21.0546
Cu 324.754	2.4214	ppb	0.2987	12.3	192.230
Fe 271.441	457.780	ppb	8.4063	1.8	734.764
K 766.491	790.431	ppb	2.9525	0.4	33609.6
Mg 279.078	17471.2	ppb	8.7035	0.0	34926.5
Mn 257.610	190.169	ppb	0.1357	0.1	40824.0
Mo 202.032	-0.0567	ppb	0.4800	847.1	14.6015
Na 330.237	16383.5	ppb	385.016	2.4	790.702
Ni 231.604	5.9622	ppb	1.2104	20.3	16.7992
Pb 220.353	-0.2477	ppb	2.5113	1013.9	4.2186
Sb 206.834	2.6196	ppb	8.5446	326.2	2.8130
Se 196.026	10.3343	ppb	1.1242	10.9	4.1281
Sn 189.925	-1.9801	ppb	1.8624	94.1	-2.5348
Sr 216.596	322.590	ppb	1.5797	0.5	2783.89
Ti 334.941	2.6168	ppb	0.1338	5.1	612.406
Tl 190.794	0.7841	ppb	4.6681	595.3	-2.9449
V 292.401	0.3162	ppb	0.2621	82.9	16.0575
Zn 206.200	7.1505	ppb	0.4894	6.7	12.7531

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88643-b-1-b ms (Samp) **3/30/2013, 10:01:24 PM** **Rack 3, Tube 16****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	10.2857	10.5749	10.0888
Al 308.215	5697.06	5722.51	5726.41
As 188.980	103.220	106.410	115.472
B 249.678	305.428	304.875	310.151
Ba 389.178	169.593	171.156	171.490
Be 313.042	53.9762	53.9789	54.1157
Ca 370.602	122434	122498	122898
Cd 226.502	56.2831	56.1091	56.3680
Co 228.615	55.2095	54.5565	55.9265
Cr 267.716	108.834	108.959	108.912
Cu 324.754	105.281	105.505	106.958
Fe 271.441	5912.62	5878.58	5917.74
K 766.491	6686.33	6645.81	6649.54
Mg 279.078	22927.6	22933.7	22943.3
Mn 257.610	733.095	732.289	733.700
Mo 202.032	103.350	105.544	104.406
Na 330.237	22055.4	21655.6	21804.6
Ni 231.604	113.192	114.821	114.866
Pb 220.353	55.7508	53.3186	54.4873
Sb 206.834	42.4211	37.8358	46.2468
Se 196.026	117.281	110.163	112.521
Sn 189.925	205.279	214.236	214.460
Sr 216.596	425.466	426.997	428.126
Ti 334.941	104.179	104.373	104.876
Tl 190.794	45.1987	44.2263	32.9885
V 292.401	106.676	106.567	106.827
Zn 206.200	118.320	117.137	115.691

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3164	ppb	0.2445	2.4	568.303
Al 308.215	5715.33	ppb	15.9354	0.3	26205.7
As 188.980	108.368	ppb	6.3562	5.9	72.5353
B 249.678	306.818	ppb	2.8998	0.9	3118.83
Ba 389.178	170.746	ppb	1.0130	0.6	3513.16
Be 313.042	54.0236	ppb	0.0797	0.1	101586
Ca 370.602	122610	ppb	251.4	0.2	348720
Cd 226.502	56.2534	ppb	0.1320	0.2	1916.07
Co 228.615	55.2308	ppb	0.6852	1.2	597.429
Cr 267.716	108.902	ppb	0.0632	0.1	4269.93
Cu 324.754	105.915	ppb	0.9102	0.9	4743.35
Fe 271.441	5902.98	ppb	21.2823	0.4	9368.21
K 766.491	6660.56	ppb	22.3920	0.3	281539
Mg 279.078	22934.9	ppb	7.9241	0.0	45831.4
Mn 257.610	733.028	ppb	0.7079	0.1	156932
Mo 202.032	104.433	ppb	1.0971	1.1	617.261
Na 330.237	21838.5	ppb	202.087	0.9	1049.88
Ni 231.604	114.293	ppb	0.9536	0.8	279.048
Pb 220.353	54.5189	ppb	1.2164	2.2	83.9267
Sb 206.834	42.1679	ppb	4.2112	10.0	32.4689
Se 196.026	113.322	ppb	3.6260	3.2	52.1890
Sn 189.925	211.325	ppb	5.2370	2.5	143.707
Sr 216.596	426.863	ppb	1.3354	0.3	3674.58
Ti 334.941	104.476	ppb	0.3594	0.3	23307.9
Tl 190.794	40.8045	ppb	6.7863	16.6	31.7069
V 292.401	106.690	ppb	0.1302	0.1	2665.04
Zn 206.200	117.049	ppb	1.3171	1.1	177.714

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88643-b-1-c msd (Samp) **3/30/2013, 10:06:50 PM** **Rack 3, Tube 17****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.7808	10.6394	11.2501
Al 308.215	5734.04	5736.20	5748.48
As 188.980	109.887	106.539	106.909
B 249.678	302.573	305.234	307.769
Ba 389.178	171.335	169.659	171.330
Be 313.042	53.4196	53.3123	53.4038
Ca 370.602	121711	121817	122162
Cd 226.502	55.7958	55.5283	55.6330
Co 228.615	55.1486	55.8044	55.4522
Cr 267.716	108.913	108.550	108.813
Cu 324.754	105.968	104.462	105.648
Fe 271.441	5895.21	5894.68	5894.27
K 766.491	6603.33	6573.81	6578.79
Mg 279.078	22645.4	22624.1	22660.7
Mn 257.610	728.288	727.163	728.248
Mo 202.032	105.065	103.566	102.675
Na 330.237	21329.7	21247.1	21152.2
Ni 231.604	114.483	114.116	111.515
Pb 220.353	47.7949	50.1954	56.7429
Sb 206.834	49.5624	47.4022	55.5182
Se 196.026	105.773	107.707	106.320
Sn 189.925	215.669	210.409	211.389
Sr 216.596	425.157	427.126	426.986
Ti 334.941	104.467	104.700	105.063
Tl 190.794	48.0497	42.9816	44.7198
V 292.401	106.005	105.908	105.799
Zn 206.200	118.328	118.289	118.580

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.5567	ppb	0.7381	7.0	583.672
Al 308.215	5739.57	ppb	7.7848	0.1	26316.3
As 188.980	107.778	ppb	1.8354	1.7	72.1444
B 249.678	305.192	ppb	2.5983	0.9	3103.58
Ba 389.178	170.775	ppb	0.9662	0.6	3513.01
Be 313.042	53.3786	ppb	0.0579	0.1	100372
Ca 370.602	121897	ppb	235.6	0.2	346690
Cd 226.502	55.6524	ppb	0.1348	0.2	1895.88
Co 228.615	55.4684	ppb	0.3282	0.6	599.965
Cr 267.716	108.759	ppb	0.1875	0.2	4264.31
Cu 324.754	105.359	ppb	0.7935	0.8	4718.92
Fe 271.441	5894.72	ppb	0.4748	0.0	9355.14
K 766.491	6585.31	ppb	15.8048	0.2	278361
Mg 279.078	22643.4	ppb	18.3730	0.1	45249.3
Mn 257.610	727.900	ppb	0.6385	0.1	155834
Mo 202.032	103.769	ppb	1.2080	1.2	613.429
Na 330.237	21243.0	ppb	88.8211	0.4	1021.25
Ni 231.604	113.371	ppb	1.6181	1.4	276.818
Pb 220.353	51.5777	ppb	4.6314	9.0	79.6363
Sb 206.834	50.8276	ppb	4.2033	8.3	38.9250
Se 196.026	106.600	ppb	0.9970	0.9	49.0610
Sn 189.925	212.489	ppb	2.7971	1.3	144.504
Sr 216.596	426.423	ppb	1.0987	0.3	3670.75
Ti 334.941	104.743	ppb	0.3001	0.3	23366.3
Tl 190.794	45.2504	ppb	2.5754	5.7	35.6661
V 292.401	105.904	ppb	0.1029	0.1	2645.44
Zn 206.200	118.399	ppb	0.1580	0.1	179.745

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-270917/1-a (Samp) 3/30/2013, 10:12:16 PM Rack 3, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0716u	0.3651	0.0453
Al 308.215	-1.1030u	0.7503	2.2306
As 188.980	-3.1267u	-4.9013u	-6.7074u
B 249.678	-7.4990u	-10.1289u	-10.3052u
Ba 389.178	-0.9348u	-0.0833u	-0.0026u
Be 313.042	0.0117	0.0235	0.0074
Ca 370.602	8.078	9.980	9.589
Cd 226.502	-0.1704u	-0.1046u	-0.1287u
Co 228.615	0.2092	-0.7955u	0.2907
Cr 267.716	-0.2265u	-0.1561u	0.1514
Cu 324.754	-0.6684u	-0.7465u	-0.1684u
Fe 271.441	-1.7668u	2.0243	-8.0712u
K 766.491	1.7270	1.5459	1.8095
Mg 279.078	-3.6905u	0.5881	-1.5660u
Mn 257.610	0.2313	0.1712	0.1005
Mo 202.032	-0.3084u	0.2418	-1.1127u
Na 330.237	-45.5039u	-307.389u	-69.7339u
Ni 231.604	0.8537	2.0567	1.0313
Pb 220.353	-1.9086u	-1.3219u	-2.4638u
Sb 206.834	6.0708	-12.9413u	-1.7529u
Se 196.026	1.1357	6.4838	-8.6659u
Sn 189.925	4.3447	3.2359	0.0060
Sr 216.596	0.2630	0.0525	0.9229
Ti 334.941	-0.2305u	-0.1610u	-0.3361u
Tl 190.794	2.8148	6.2280	0.7479
V 292.401	-0.4097u	-0.1390u	-0.5138u
Zn 206.200	3.3310	1.6491	1.8020

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1129	ppb	0.2261	200.2	-68.6312
Al 308.215	0.6260	ppb	1.6703	266.8	127.303
As 188.980	-4.9118	ppb	1.7903	36.4	-1.6971
B 249.678	-9.3110	ppb	1.5717	16.9	157.977
Ba 389.178	-0.3402	ppb	0.5165	151.8	-23.9548
Be 313.042	0.0142	ppb	0.0083	58.9	-120.435
Ca 370.602	9.216	ppb	1.005	10.9	6.293
Cd 226.502	-0.1346	ppb	0.0333	24.8	10.1047
Co 228.615	-0.0985	ppb	0.6049	613.9	13.0628
Cr 267.716	-0.0771	ppb	0.2009	260.8	1.4439
Cu 324.754	-0.5278	ppb	0.3137	59.4	62.5002
Fe 271.441	-2.6046	ppb	5.0997	195.8	5.4688
K 766.491	1.6941	ppb	0.1348	8.0	296.678
Mg 279.078	-1.5561	ppb	2.1393	137.5	27.5376
Mn 257.610	0.1677	ppb	0.0654	39.0	103.430
Mo 202.032	-0.3931	ppb	0.6812	173.3	12.6791
Na 330.237	-140.876	ppb	144.713	102.7	-3.3943
Ni 231.604	1.3139	ppb	0.6494	49.4	5.5422
Pb 220.353	-1.8981	ppb	0.5710	30.1	1.7827
Sb 206.834	-2.8745	ppb	9.5555	332.4	-1.2878
Se 196.026	-0.3488	ppb	7.6832	2202.8	-0.8881
Sn 189.925	2.5289	ppb	2.2541	89.1	0.5102
Sr 216.596	0.4128	ppb	0.4541	110.0	14.4638
Ti 334.941	-0.2425	ppb	0.0882	36.4	-86.4966
Tl 190.794	3.2636	ppb	2.7675	84.8	-0.4714
V 292.401	-0.3542	ppb	0.1935	54.6	-0.7953
Zn 206.200	2.2607	ppb	0.9301	41.1	5.3999

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Ics 680-270917/2-a (Samp) 3/30/2013, 10:17:43 PM Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	24.9979	24.4225	25.1964
Al 308.215	5296.68	5253.07	5267.98
As 188.980	107.291	97.5949	103.879
B 249.678	204.077	204.272	205.038
Ba 389.178	105.104	103.133	102.680
Be 313.042	52.5450	52.0927	52.1632
Ca 370.602	5184	5163	5169
Cd 226.502	56.8329	56.3786	56.7535
Co 228.615	55.0053	55.2540	55.2584
Cr 267.716	108.594	108.129	107.817
Cu 324.754	102.758	97.6426	101.211
Fe 271.441	5413.95	5364.04	5376.00
K 766.491	5633.17	5559.61	5574.56
Mg 279.078	5664.72	5615.13	5638.38
Mn 257.610	543.491	538.209	539.262
Mo 202.032	102.433	100.546	101.318
Na 330.237	5064.95	5386.47	5282.54
Ni 231.604	107.789	109.741	108.618
Pb 220.353	49.7121	52.7115	56.5207
Sb 206.834	43.8490	58.6256	45.3689
Se 196.026	116.575	106.669	120.145
Sn 189.925	217.302	207.229	218.836
Sr 216.596	110.886	109.902	110.459
Ti 334.941	100.747	99.8700	100.456
Tl 190.794	47.9903	43.0498	46.4119
V 292.401	106.071	104.539	105.057
Zn 206.200	113.551	114.901	114.613

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	24.8722	ppb	0.4019	1.6	1509.02
Al 308.215	5272.58	ppb	22.1650	0.4	24185.7
As 188.980	102.922	ppb	4.9187	4.8	67.9772
B 249.678	204.463	ppb	0.5081	0.2	2158.89
Ba 389.178	103.639	ppb	1.2890	1.2	2108.97
Be 313.042	52.2670	ppb	0.2434	0.5	98241.2
Ca 370.602	5172	ppb	10.68	0.2	14348
Cd 226.502	56.6550	ppb	0.2427	0.4	1928.29
Co 228.615	55.1726	ppb	0.1449	0.3	596.824
Cr 267.716	108.180	ppb	0.3910	0.4	4240.64
Cu 324.754	100.537	ppb	2.6235	2.6	4506.83
Fe 271.441	5384.67	ppb	26.0552	0.5	8547.07
K 766.491	5589.11	ppb	38.8774	0.7	236286
Mg 279.078	5639.41	ppb	24.8125	0.4	11286.6
Mn 257.610	540.321	ppb	2.7954	0.5	115634
Mo 202.032	101.432	ppb	0.9485	0.9	599.966
Na 330.237	5244.65	ppb	164.077	3.1	252.455
Ni 231.604	108.716	ppb	0.9797	0.9	265.542
Pb 220.353	52.9814	ppb	3.4123	6.4	81.6614
Sb 206.834	49.2811	ppb	8.1281	16.5	37.7810
Se 196.026	114.463	ppb	6.9816	6.1	52.6719
Sn 189.925	214.456	ppb	6.3052	2.9	145.808
Sr 216.596	110.415	ppb	0.4937	0.4	954.410
Ti 334.941	100.358	ppb	0.4468	0.4	22329.3
Tl 190.794	45.8173	ppb	2.5233	5.5	36.4393
V 292.401	105.222	ppb	0.7793	0.7	2628.68
Zn 206.200	114.355	ppb	0.7198	0.6	172.664

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-270917/3-a (Samp) 3/30/2013, 10:23:09 PM Rack 3, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	199.660	196.082	198.206
Al 308.215	7207.65	7231.20	7255.59
As 188.980	317.023	315.895	322.923
B 249.678	627.777	633.472	639.854
Ba 389.178	300.722	301.370	301.763
Be 313.042	256.035	256.459	257.046
Ca 370.602	25381	25471	25506
Cd 226.502	270.986	271.703	271.069
Co 228.615	267.565	269.907	267.553
Cr 267.716	313.978	315.402	316.994
Cu 324.754	297.911	292.886	296.420
Fe 271.441	27215.1	27255.0	27253.7
K 766.491	27713.2	27697.5	27691.1
Mg 279.078	27790.4	27889.7	27906.4
Mn 257.610	2651.46	2656.32	2660.40
Mo 202.032	299.511	301.564	303.067
Na 330.237	25191.8	25115.2	24904.1
Ni 231.604	321.883	317.862	319.063
Pb 220.353	266.347	259.260	265.021
Sb 206.834	244.861	242.121	249.834
Se 196.026	327.357	293.647	314.153
Sn 189.925	413.118	416.612	418.534
Sr 216.596	330.265	332.733	332.299
Ti 334.941	293.143	293.999	295.498
Tl 190.794	90.3194	81.3763	96.5437
V 292.401	305.923	307.086	306.470
Zn 206.200	319.714	318.213	319.215

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	197.982	ppb	1.7995	0.9	12551.9
Al 308.215	7231.48	ppb	23.9739	0.3	33140.4
As 188.980	318.614	ppb	3.7741	1.2	207.312
B 249.678	633.701	ppb	6.0420	1.0	6166.26
Ba 389.178	301.285	ppb	0.5255	0.2	6204.33
Be 313.042	256.513	ppb	0.5077	0.2	482755
Ca 370.602	25453	ppb	64.50	0.3	70602
Cd 226.502	271.253	ppb	0.3922	0.1	9180.09
Co 228.615	268.342	ppb	1.3559	0.5	2849.40
Cr 267.716	315.458	ppb	1.5092	0.5	12362.7
Cu 324.754	295.739	ppb	2.5807	0.9	13093.9
Fe 271.441	27241.3	ppb	22.6740	0.1	43197.6
K 766.491	27700.6	ppb	11.3941	0.0	1170183
Mg 279.078	27862.1	ppb	62.7122	0.2	55647.6
Mn 257.610	2656.06	ppb	4.4787	0.2	568161
Mo 202.032	301.381	ppb	1.7853	0.6	1752.75
Na 330.237	25070.4	ppb	149.020	0.6	1196.49
Ni 231.604	319.603	ppb	2.0639	0.6	776.271
Pb 220.353	263.543	ppb	3.7680	1.4	388.758
Sb 206.834	245.605	ppb	3.9103	1.6	185.232
Se 196.026	311.719	ppb	16.9867	5.4	145.038
Sn 189.925	416.088	ppb	2.7454	0.7	284.057
Sr 216.596	331.766	ppb	1.3178	0.4	2850.33
Ti 334.941	294.213	ppb	1.1924	0.4	65565.6
Tl 190.794	89.4131	ppb	7.6242	8.5	71.5478
V 292.401	306.493	ppb	0.5817	0.2	7640.22
Zn 206.200	319.047	ppb	0.7643	0.3	489.898

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-d-1-a (Samp) **3/30/2013, 10:28:46 PM** **Rack 3, Tube 21****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1250u	-0.9021u	-0.5011u
Al 308.215	23.6503	26.2089	20.2968
As 188.980	24.1009	21.8916	21.4639
B 249.678	403.851	406.892	407.448
Ba 389.178	62.2836	61.3925	61.5107
Be 313.042	0.0460	0.0419	0.0542
Ca 370.602	58546	58777	58674
Cd 226.502	-0.6523	-0.5663	-0.9420
Co 228.615	0.4637	0.4975	0.0668u
Cr 267.716	1.0941	1.3518	1.1822
Cu 324.754	-0.8238u	-1.0307u	0.1396
Fe 271.441	50484.9	50483.2	50245.3
K 766.491	19644.9	19595.2	19581.6
Mg 279.078	16062.9	16102.0	16063.4
Mn 257.610	138.625	138.186	137.526
Mo 202.032	0.0403u	-1.0421u	0.0895u
Na 330.237	25820.1	25661.9	25687.9
Ni 231.604	4.7649	4.7003	3.6734
Pb 220.353	1.7998	-5.7551u	-0.4337u
Sb 206.834	-1.7854u	-0.3057	-5.3463u
Se 196.026	0.4651	3.9596	0.6039
Sn 189.925	-1.3578u	-2.5965u	1.1409
Sr 216.596	362.812	366.026	365.500
Ti 334.941	0.0478	0.1038	0.0802
Tl 190.794	0.4051u	5.4779	-1.3991u
V 292.401	-0.3443u	-0.8127u	-0.4855u
Zn 206.200	20.3681	18.8201	18.2903

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5094	ppb	0.3886	76.3	-122.731
Al 308.215	23.3853	ppb	2.9649	12.7	231.107
As 188.980	22.4855	ppb	1.4153	6.3	15.9989
B 249.678	406.064	ppb	1.9366	0.5	4008.78
Ba 389.178	61.7289	ppb	0.4840	0.8	1336.60
Be 313.042	0.0474	ppb	0.0063	13.2	-43.1796
Ca 370.602	58666	ppb	115.8	0.2	163392
Cd 226.502	-0.7202	ppb	0.1969	27.3	99.9895
Co 228.615	0.3426	ppb	0.2395	69.9	16.1975
Cr 267.716	1.2093	ppb	0.1310	10.8	62.3056
Cu 324.754	-0.5717	ppb	0.6246	109.3	73.5985
Fe 271.441	50404.5	ppb	137.859	0.3	79844.1
K 766.491	19607.2	ppb	33.3031	0.2	828352
Mg 279.078	16076.1	ppb	22.4329	0.1	32149.3
Mn 257.610	138.112	ppb	0.5531	0.4	29811.2
Mo 202.032	-0.3041	ppb	0.6396	210.3	11.1965
Na 330.237	25723.3	ppb	84.8369	0.3	1225.68
Ni 231.604	4.3795	ppb	0.6124	14.0	13.9173
Pb 220.353	-1.4630	ppb	3.8812	265.3	2.4433
Sb 206.834	-2.4791	ppb	2.5909	104.5	-0.1328
Se 196.026	1.6762	ppb	1.9787	118.0	0.3620
Sn 189.925	-0.9378	ppb	1.9038	203.0	-1.8395
Sr 216.596	364.779	ppb	1.7242	0.5	3156.52
Ti 334.941	0.0773	ppb	0.0281	36.3	45.9256
Tl 190.794	1.4946	ppb	3.5656	238.6	-4.5097
V 292.401	-0.5475	ppb	0.2403	43.9	-5.7041
Zn 206.200	19.1595	ppb	1.0797	5.6	20.8109

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-c-1-a (Samp) **3/30/2013, 10:34:13 PM** **Rack 3, Tube 22****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.3193	-0.0735u	-0.1379u
Al 308.215	3.7008	1.8975	9.1712
As 188.980	21.3243	23.8430	22.5899
B 249.678	413.855	415.975	419.737
Ba 389.178	61.5326	61.6580	59.8602
Be 313.042	0.0240	0.0178	0.0220
Ca 370.602	60273	60417	60449
Cd 226.502	-0.6526	-0.7930	-0.6183
Co 228.615	0.0653u	-0.4666u	-0.2192u
Cr 267.716	1.1567	0.8662	1.1135
Cu 324.754	-0.8668u	-0.5141u	-0.5930u
Fe 271.441	50907.1	50871.2	50813.7
K 766.491	20313.1	20291.0	20292.3
Mg 279.078	16513.0	16535.4	16524.0
Mn 257.610	134.977	134.975	135.068
Mo 202.032	-0.9793u	-1.9905u	-1.0385u
Na 330.237	26754.4	26792.2	26534.0
Ni 231.604	3.6564	4.2424	5.1044
Pb 220.353	0.5932	-7.9238u	-5.8488u
Sb 206.834	-3.5167u	-7.0659u	-2.2593u
Se 196.026	18.6446	2.3181	9.0034
Sn 189.925	-2.1812u	-2.1795u	2.3551
Sr 216.596	376.206	376.077	379.413
Ti 334.941	-0.1643	-0.2965u	-0.2813
Tl 190.794	-2.9352u	-6.0395u	3.0354
V 292.401	-0.6393u	-0.3309u	-0.6899u
Zn 206.200	7.0114	8.3272	6.3536

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0360	ppb	0.2475	687.8	-88.4128
Al 308.215	4.9231	ppb	3.7878	76.9	146.782
As 188.980	22.5857	ppb	1.2593	5.6	16.0733
B 249.678	416.522	ppb	2.9791	0.7	4106.51
Ba 389.178	61.0169	ppb	1.0037	1.6	1323.70
Be 313.042	0.0213	ppb	0.0032	14.8	-91.8537
Ca 370.602	60379	ppb	93.75	0.2	168239
Cd 226.502	-0.6880	ppb	0.0925	13.4	102.028
Co 228.615	-0.2068	ppb	0.2661	128.7	10.3957
Cr 267.716	1.0455	ppb	0.1568	15.0	55.9780
Cu 324.754	-0.6580	ppb	0.1851	28.1	69.8938
Fe 271.441	50864.0	ppb	47.0822	0.1	80571.8
K 766.491	20298.8	ppb	12.3757	0.1	857561
Mg 279.078	16524.1	ppb	11.2321	0.1	33044.3
Mn 257.610	135.007	ppb	0.0534	0.0	29150.8
Mo 202.032	-1.3361	ppb	0.5675	42.5	5.2234
Na 330.237	26693.5	ppb	139.459	0.5	1272.28
Ni 231.604	4.3344	ppb	0.7284	16.8	13.8163
Pb 220.353	-4.3932	ppb	4.4412	101.1	-1.8292
Sb 206.834	-4.2806	ppb	2.4927	58.2	-1.4606
Se 196.026	9.9887	ppb	8.2077	82.2	4.2303
Sn 189.925	-0.6685	ppb	2.6186	391.7	-1.6541
Sr 216.596	377.232	ppb	1.8902	0.5	3263.49
Ti 334.941	-0.2473	ppb	0.0723	29.2	-24.7425
Tl 190.794	-1.9797	ppb	4.6123	233.0	-7.6144
V 292.401	-0.5534	ppb	0.1943	35.1	-5.6596
Zn 206.200	7.2307	ppb	1.0949	13.8	12.8713

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-b-2-a (Samp) **3/30/2013, 10:39:39 PM** **Rack 3, Tube 23****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1699u	-0.0021u	0.1029u
Al 308.215	31.5918	32.3494	31.2264
As 188.980	50.4403	55.9654	57.7480
B 249.678	547.412	549.238	551.838
Ba 389.178	117.423	116.087	116.204
Be 313.042	0.0302	0.0223	0.0266
Ca 370.602	68622	68609	68716
Cd 226.502	-0.6511	-0.8318	-0.8546
Co 228.615	2.8498	3.5321	2.5913
Cr 267.716	1.3785	1.5735	1.6800
Cu 324.754	-0.8816u	-1.0186u	-1.0084u
Fe 271.441	48244.7	48097.6	48073.3
K 766.491	17225.7	17172.7	17202.7
Mg 279.078	18290.9	18247.1	18256.2
Mn 257.610	122.679	122.513	122.655
Mo 202.032	0.1420u	-0.9894u	-0.9214u
Na 330.237	37689.0	37984.2	37778.8
Ni 231.604	1.4979	0.7693	1.3283
Pb 220.353	-4.0880u	-1.7830u	-5.6921u
Sb 206.834	-5.9426u	2.8052	-7.4405u
Se 196.026	5.9588	4.3053	13.6357
Sn 189.925	0.4622	-1.4011u	0.5261
Sr 216.596	388.394	388.608	389.063
Ti 334.941	0.3720	0.3191	0.4251
Tl 190.794	-3.8078u	1.4627u	-3.1779u
V 292.401	-0.3670u	-0.7741u	-0.4867u
Zn 206.200	1.9915	3.2778	3.0830

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0230	ppb	0.1376	597.8	-92.6730
Al 308.215	31.7226	ppb	0.5728	1.8	269.113
As 188.980	54.7179	ppb	3.8102	7.0	36.9473
B 249.678	549.496	ppb	2.2240	0.4	5356.78
Ba 389.178	116.571	ppb	0.7398	0.6	2453.06
Be 313.042	0.0264	ppb	0.0039	14.9	-80.7580
Ca 370.602	68649	ppb	58.37	0.1	191983
Cd 226.502	-0.7792	ppb	0.1115	14.3	92.9974
Co 228.615	2.9911	ppb	0.4860	16.2	44.2913
Cr 267.716	1.5440	ppb	0.1529	9.9	75.0922
Cu 324.754	-0.9695	ppb	0.0763	7.9	55.5153
Fe 271.441	48138.5	ppb	92.7530	0.2	76255.4
K 766.491	17200.4	ppb	26.5912	0.2	726696
Mg 279.078	18264.7	ppb	23.1450	0.1	36520.9
Mn 257.610	122.616	ppb	0.0900	0.1	26504.2
Mo 202.032	-0.5896	ppb	0.6345	107.6	9.6397
Na 330.237	37817.3	ppb	151.340	0.4	1807.76
Ni 231.604	1.1985	ppb	0.3812	31.8	6.1761
Pb 220.353	-3.8544	ppb	1.9650	51.0	-1.0482
Sb 206.834	-3.5260	ppb	5.5338	156.9	-0.9466
Se 196.026	7.9666	ppb	4.9787	62.5	3.2719
Sn 189.925	-0.1376	ppb	1.0947	795.6	-1.2839
Sr 216.596	388.688	ppb	0.3417	0.1	3361.43
Ti 334.941	0.3721	ppb	0.0530	14.2	118.512
Tl 190.794	-1.8410	ppb	2.8783	156.3	-7.3501
V 292.401	-0.5426	ppb	0.2092	38.6	-5.6155
Zn 206.200	2.7841	ppb	0.6923	24.9	6.1818

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-a-2-a (Samp) **3/30/2013, 10:45:05 PM** **Rack 3, Tube 24****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6137u	-0.3911u	-0.5475u
Al 308.215	2.0889	2.7777	1.9013
As 188.980	54.7507	54.2980	61.3664
B 249.678	537.501	539.908	542.023
Ba 389.178	114.625	116.379	115.203
Be 313.042	0.0219	0.0205	0.0170
Ca 370.602	67979	68062	68114
Cd 226.502	-0.9101	-0.7490	-0.7666
Co 228.615	3.1020	3.2781	4.1585
Cr 267.716	1.2387	1.1559	1.0728
Cu 324.754	-1.0523u	-1.6008u	-0.8469u
Fe 271.441	48453.7	48296.8	48371.2
K 766.491	16943.3	16923.0	16921.9
Mg 279.078	17866.3	17896.6	17914.3
Mn 257.610	118.650	118.493	118.584
Mo 202.032	-1.3181u	-0.6770u	-0.6607u
Na 330.237	36976.8	37162.0	37335.7
Ni 231.604	3.7581	2.6307	4.1017
Pb 220.353	-0.6143u	-6.7258u	-2.9885u
Sb 206.834	6.8327	-4.4931u	-1.5334u
Se 196.026	0.9915	3.2078	-4.0034u
Sn 189.925	1.6425	1.2253	2.5940
Sr 216.596	385.256	386.064	385.379
Ti 334.941	-0.2580	-0.2954	-0.4128u
Tl 190.794	2.0214u	5.2913	-0.7868u
V 292.401	-0.1950u	-0.7648u	-0.1164u
Zn 206.200	4.5110	5.9448	4.0529

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5174	ppb	0.1143	22.1	-124.201
Al 308.215	2.2560	ppb	0.4615	20.5	134.664
As 188.980	56.8050	ppb	3.9568	7.0	38.2892
B 249.678	539.811	ppb	2.2621	0.4	5265.70
Ba 389.178	115.402	ppb	0.8941	0.8	2428.71
Be 313.042	0.0198	ppb	0.0025	12.7	-93.2155
Ca 370.602	68052	ppb	68.31	0.1	190267
Cd 226.502	-0.8086	ppb	0.0884	10.9	92.4598
Co 228.615	3.5128	ppb	0.5660	16.1	49.7948
Cr 267.716	1.1558	ppb	0.0829	7.2	59.9092
Cu 324.754	-1.1667	ppb	0.3897	33.4	46.8974
Fe 271.441	48373.9	ppb	78.5156	0.2	76628.3
K 766.491	16929.4	ppb	12.0304	0.1	715252
Mg 279.078	17892.4	ppb	24.3112	0.1	35777.3
Mn 257.610	118.576	ppb	0.0789	0.1	25638.9
Mo 202.032	-0.8853	ppb	0.3750	42.4	7.9248
Na 330.237	37158.2	ppb	179.484	0.5	1776.00
Ni 231.604	3.4969	ppb	0.7695	22.0	11.7417
Pb 220.353	-3.4429	ppb	3.0809	89.5	-0.4479
Sb 206.834	0.2687	ppb	5.8741	2185.9	1.8856
Se 196.026	0.0653	ppb	3.6937	5655.3	-0.4032
Sn 189.925	1.8206	ppb	0.7015	38.5	0.0582
Sr 216.596	385.566	ppb	0.4354	0.1	3334.68
Ti 334.941	-0.3221	ppb	0.0807	25.1	-37.3001
Tl 190.794	2.1753	ppb	3.0420	139.8	-3.7832
V 292.401	-0.3588	ppb	0.3539	98.6	-0.9315
Zn 206.200	4.8363	ppb	0.9870	20.4	9.2695

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 10:50:32 PM Rack 3, Tube 25

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	481.425	481.084	488.452
Al 308.215	5146.19	5127.53	5142.41
As 188.980	490.968	476.693	490.218
B 249.678	563.930	562.719	569.219
Ba 389.178	4854.61	4819.55	4840.63
Be 313.042	454.858	451.817	453.820
Ca 370.602	5111	5072	5107
Cd 226.502	503.913	500.533	503.041
Co 228.615	500.965	496.303	497.796
Cr 267.716	4871.79	4850.22	4864.61
Cu 324.754	4458.12	4423.34	4509.27
Fe 271.441	5217.13	5179.56	5198.25
K 766.491	10630.3	10549.1	10587.5
Mg 279.078	5310.43	5280.10	5306.54
Mn 257.610	4836.57	4800.59	4814.06
Mo 202.032	495.322	494.050	494.288
Na 330.237	8026.08	7653.69	7999.18
Ni 231.604	2519.55	2510.89	2518.44
Pb 220.353	530.687	521.034	531.607
Sb 206.834	947.813	936.500	954.316
Se 196.026	5057.25	5031.68	5030.90
Sn 189.925	5163.79	5124.89	5244.81
Sr 216.596	2600.00	2586.80	2595.11
Ti 334.941	491.462	489.178	491.488
Tl 190.794	5297.00	5256.69	5260.35
V 292.401	4978.89	4945.97	4955.42
Zn 206.200	2521.18	2512.96	2519.37

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	483.653	ppb	4.1589	0.9	30718.2	96.73066
Al 308.215	5138.71	ppb	9.8622	0.2	23548.7	102.77419
As 188.980	485.960	ppb	8.0337	1.7	315.500	97.19195
B 249.678	565.289	ppb	3.4567	0.6	5544.77	22.61157Q
Ba 389.178	4838.27	ppb	17.6470	0.4	98312.2	96.76531
Be 313.042	453.498	ppb	1.5457	0.3	853431	90.69962
Ca 370.602	5097	ppb	21.48	0.4	14357	101.93248
Cd 226.502	502.495	ppb	1.7549	0.3	16894.9	100.49909
Co 228.615	498.355	ppb	2.3807	0.5	5291.74	99.67096
Cr 267.716	4862.21	ppb	10.9844	0.2	190291	97.24415
Cu 324.754	4463.58	ppb	43.2266	1.0	196209	89.27151Q
Fe 271.441	5198.31	ppb	18.7874	0.4	8356.75	103.96626
K 766.491	10589.0	ppb	40.6501	0.4	447459	105.88967
Mg 279.078	5299.02	ppb	16.5017	0.3	10541.6	105.98048
Mn 257.610	4817.07	ppb	18.1804	0.4	1030014	96.34148
Mo 202.032	494.554	ppb	0.6758	0.1	2861.46	98.91071
Na 330.237	7892.98	ppb	207.672	2.6	360.110	105.23976
Ni 231.604	2516.29	ppb	4.7090	0.2	6091.49	100.65173
Pb 220.353	527.776	ppb	5.8572	1.1	774.217	105.55521
Sb 206.834	946.210	ppb	9.0155	1.0	740.726	94.62097
Se 196.026	5039.94	ppb	14.9949	0.3	2344.74	100.79884
Sn 189.925	5177.83	ppb	61.1844	1.2	3548.63	103.55662
Sr 216.596	2593.97	ppb	6.6698	0.3	22183.4	103.75878
Ti 334.941	490.709	ppb	1.3265	0.3	109225	98.14182
Tl 190.794	5271.34	ppb	22.2932	0.4	4678.37	105.42690
V 292.401	4960.10	ppb	16.9509	0.3	124281	99.20191
Zn 206.200	2517.84	ppb	4.3229	0.3	2774.26	100.71346

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/30/2013, 10:55:59 PM Rack 3, Tube 26

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2311	-0.2802u	0.4307
Al 308.215	-7.3067u	-3.7670u	-3.7578u
As 188.980	-0.6609u	-5.0045u	-5.5723u
B 249.678	3.2227	0.5119	-1.2132u
Ba 389.178	0.6808	-1.7083u	0.8537
Be 313.042	0.0359	0.0411	0.0392
Ca 370.602	2.867	0.6804	1.269
Cd 226.502	-0.1656u	-0.3189u	-0.1320u
Co 228.615	-0.4477u	-0.2056u	0.8716
Cr 267.716	-0.1005u	-0.2187u	0.0229
Cu 324.754	-1.1787u	-0.7725u	-1.2723u
Fe 271.441	0.4328	5.1940	1.8288
K 766.491	-0.5372u	0.3921	0.6616
Mg 279.078	1.1717	-5.6908u	2.7888
Mn 257.610	-0.0189u	-0.0480u	0.0123
Mo 202.032	0.3436	0.5667	-0.2479u
Na 330.237	-1.3991u	17.8670	80.3574
Ni 231.604	-1.1501u	-2.0091u	-2.3798u
Pb 220.353	-0.2683u	0.1790	0.6161
Sb 206.834	10.8035	5.3017	5.4993
Se 196.026	-1.4154u	-0.7853u	-8.7825u
Sn 189.925	0.5453	-1.6640u	-0.9946u
Sr 216.596	-0.4592u	-0.4105u	-0.4596u
Ti 334.941	-0.0436u	-0.0044u	-0.0603u
Tl 190.794	9.2973	-0.0350u	0.1250
V 292.401	-0.2288u	-0.5091u	-0.3673u
Zn 206.200	1.1288	0.3591	-1.0397u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1272	ppb	0.3667	288.3	-67.7162	0.12719
Al 308.215	-4.9439	ppb	2.0463	41.4	101.954	-4.94386
As 188.980	-3.7459	ppb	2.6867	71.7	-0.9436	-3.74592
B 249.678	0.8405	ppb	2.2361	266.1	253.232	0.84048
Ba 389.178	-0.0580	ppb	1.4319	2470.5	-18.2165	-0.05796
Be 313.042	0.0387	ppb	0.0026	6.8	-74.3048	0.03872
Ca 370.602	1.605	ppb	1.131	70.5	-15.31	1.60543
Cd 226.502	-0.2055	ppb	0.0996	48.5	7.7211	-0.20550
Co 228.615	0.0728	ppb	0.7023	965.3	14.8620	0.07276
Cr 267.716	-0.0987	ppb	0.1208	122.3	0.5969	-0.09875
Cu 324.754	-1.0745	ppb	0.2657	24.7	38.4892	-1.07446
Fe 271.441	2.4852	ppb	2.4475	98.5	13.5244	2.48519
K 766.491	0.1722	ppb	0.6290	365.3	232.397	0.17217
Mg 279.078	-0.5767	ppb	4.5021	780.6	29.4987	-0.57674
Mn 257.610	-0.0182	ppb	0.0301	165.5	63.6907	-0.01821
Mo 202.032	0.2208	ppb	0.4210	190.7	16.2222	0.22080
Na 330.237	32.2751	ppb	42.7402	132.4	4.9420	32.27511
Ni 231.604	-1.8463	ppb	0.6308	34.2	-2.1051	-1.84634
Pb 220.353	0.1756	ppb	0.4422	251.9	4.8067	0.17559
Sb 206.834	7.2015	ppb	3.1210	43.3	6.2180	7.20148
Se 196.026	-3.6610	ppb	4.4465	121.5	-2.4288	-3.66105
Sn 189.925	-0.7045	ppb	1.1329	160.8	-1.7065	-0.70446
Sr 216.596	-0.4431	ppb	0.0282	6.4	7.1544	-0.44311
Ti 334.941	-0.0361	ppb	0.0287	79.6	-40.5484	-0.03610
Tl 190.794	3.1291	ppb	5.3424	170.7	-0.5910	3.12909
V 292.401	-0.3684	ppb	0.1401	38.0	-1.2430	-0.36839
Zn 206.200	0.1494	ppb	1.0994	735.8	2.2251	0.14941

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-d-3-a (Samp) 3/30/2013, 11:01:25 PM Rack 3, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.4389u	-0.9882u	-0.8231u
Al 308.215	14.0334	17.1465	15.1282
As 188.980	23.8364	24.8398	16.7616
B 249.678	144.041	145.231	146.369
Ba 389.178	55.3928	56.5417	55.5461
Be 313.042	0.0481	0.0589	0.0529
Ca 370.602	43955	43998	43991
Cd 226.502	-0.9990	-0.9720	-0.8852
Co 228.615	0.8763	0.9858	-0.7828u
Cr 267.716	1.3382	1.1744	1.0122
Cu 324.754	-0.9650u	0.1364	-0.3589u
Fe 271.441	50890.1	50800.1	50793.5
K 766.491	8062.64	8045.59	8034.27
Mg 279.078	8872.35	8870.74	8866.96
Mn 257.610	172.161	172.339	172.312
Mo 202.032	-0.6870u	-0.6671u	-0.6565u
Na 330.237	17264.2	17258.8	17094.3
Ni 231.604	-0.1336	-1.2544u	-1.2836u
Pb 220.353	-3.5322u	-4.1609u	-0.0823u
Sb 206.834	-3.3040u	-8.7515u	-0.4621
Se 196.026	3.3042	7.9020	-2.1018u
Sn 189.925	6.2967	1.8313	2.1517
Sr 216.596	179.924	178.764	179.097
Ti 334.941	-0.0432	-0.0328	-0.1087
Tl 190.794	0.3482u	-2.3370u	0.7203u
V 292.401	0.3623	0.4973	0.3675
Zn 206.200	2.7842	3.3816	2.6641

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7501	ppb	0.2818	37.6	-130.502
Al 308.215	15.4360	ppb	1.5792	10.2	194.797
As 188.980	21.8126	ppb	4.4030	20.2	15.4276
B 249.678	145.214	ppb	1.1644	0.8	1560.80
Ba 389.178	55.8269	ppb	0.6238	1.1	1200.40
Be 313.042	0.0533	ppb	0.0054	10.2	-35.4045
Ca 370.602	43981	ppb	22.92	0.1	121554
Cd 226.502	-0.9521	ppb	0.0595	6.2	92.8980
Co 228.615	0.3598	ppb	0.9910	275.4	16.3647
Cr 267.716	1.1749	ppb	0.1630	13.9	61.0119
Cu 324.754	-0.3958	ppb	0.5516	139.4	81.3976
Fe 271.441	50827.9	ppb	53.9897	0.1	80514.8
K 766.491	8047.50	ppb	14.2802	0.2	340118
Mg 279.078	8870.02	ppb	2.7658	0.0	17754.6
Mn 257.610	172.270	ppb	0.0958	0.1	37075.8
Mo 202.032	-0.6702	ppb	0.0155	2.3	9.0690
Na 330.237	17205.7	ppb	96.5918	0.6	816.289
Ni 231.604	-0.8905	ppb	0.6557	73.6	1.1709
Pb 220.353	-2.5918	ppb	2.1959	84.7	0.8039
Sb 206.834	-4.1725	ppb	4.2124	101.0	-1.3860
Se 196.026	3.0348	ppb	5.0073	165.0	1.0037
Sn 189.925	3.4266	ppb	2.4908	72.7	1.1449
Sr 216.596	179.262	ppb	0.5975	0.3	1566.41
Ti 334.941	-0.0616	ppb	0.0412	66.8	-10.5576
Tl 190.794	-0.4229	ppb	1.6681	394.5	-6.2733
V 292.401	0.4090	ppb	0.0765	18.7	18.3677
Zn 206.200	2.9433	ppb	0.3843	13.1	6.4222

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-c-3-a (Samp) 3/30/2013, 11:06:52 PM Rack 3, Tube 28

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.6283	-0.3288u	-0.5513u
Al 308.215	0.9897	2.5054	2.0638
As 188.980	18.9297	18.4263	24.0520
B 249.678	144.090	144.241	144.716
Ba 389.178	55.9291	56.1213	56.3002
Be 313.042	0.0474	0.0419	0.0518
Ca 370.602	43827	43843	43941
Cd 226.502	-0.4056	-0.7231	-1.0456
Co 228.615	0.9797	1.2319	1.0075
Cr 267.716	0.5796	1.0461	1.0226
Cu 324.754	0.1135	-0.7637u	0.2337
Fe 271.441	50244.7	50312.5	50397.9
K 766.491	7990.74	7989.34	7995.46
Mg 279.078	8829.68	8827.80	8825.72
Mn 257.610	170.469	170.650	171.091
Mo 202.032	-0.7934u	-0.9442u	-1.6657u
Na 330.237	16749.9	16966.8	16929.8
Ni 231.604	1.7676	0.2101	-0.4098u
Pb 220.353	-1.0337u	1.2062	0.5735
Sb 206.834	-6.7394u	1.3396	-10.0973u
Se 196.026	18.2214	2.4346	5.6196
Sn 189.925	-2.7365u	-1.2183u	1.0986
Sr 216.596	178.142	178.485	179.136
Ti 334.941	-0.0789	-0.1956u	-0.2150u
Tl 190.794	2.3213u	5.7575	0.4989u
V 292.401	-0.2247u	-0.5997u	-0.5712u
Zn 206.200	3.7320	4.4509	3.9272

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0839	ppb	0.6267	746.8	-87.9781
Al 308.215	1.8530	ppb	0.7796	42.1	132.803
As 188.980	20.4694	ppb	3.1129	15.2	14.5636
B 249.678	144.349	ppb	0.3266	0.2	1553.16
Ba 389.178	56.1169	ppb	0.1856	0.3	1205.56
Be 313.042	0.0470	ppb	0.0050	10.5	-47.1847
Ca 370.602	43870	ppb	61.81	0.1	121275
Cd 226.502	-0.7248	ppb	0.3200	44.1	99.4079
Co 228.615	1.0730	ppb	0.1383	12.9	23.9325
Cr 267.716	0.8828	ppb	0.2628	29.8	49.4735
Cu 324.754	-0.1389	ppb	0.5445	392.1	92.5529
Fe 271.441	50318.4	ppb	76.8003	0.2	79707.7
K 766.491	7991.85	ppb	3.2038	0.0	337767
Mg 279.078	8827.73	ppb	1.9819	0.0	17670.1
Mn 257.610	170.737	ppb	0.3198	0.2	36746.3
Mo 202.032	-1.1344	ppb	0.4662	41.1	6.4114
Na 330.237	16882.2	ppb	115.996	0.7	800.872
Ni 231.604	0.5226	ppb	1.1219	214.7	4.5808
Pb 220.353	0.2487	ppb	1.1547	464.3	4.9475
Sb 206.834	-5.1657	ppb	5.8787	113.8	-2.1326
Se 196.026	8.7586	ppb	8.3484	95.3	3.6629
Sn 189.925	-0.9521	ppb	1.9314	202.9	-1.8571
Sr 216.596	178.588	ppb	0.5050	0.3	1560.45
Ti 334.941	-0.1632	ppb	0.0736	45.1	-33.3536
Tl 190.794	2.8593	ppb	2.6702	93.4	-3.3305
V 292.401	-0.4652	ppb	0.2088	44.9	-3.5064
Zn 206.200	4.0367	ppb	0.3718	9.2	8.00675

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-b-4-a (Samp) **3/30/2013, 11:12:18 PM** **Rack 3, Tube 29****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3819u	-0.6902u	-0.5649u
Al 308.215	4.1987	0.5372	1.8217
As 188.980	61.3103	59.3943	66.7767
B 249.678	234.499	236.456	237.818
Ba 389.178	37.7764	37.5699	35.6568
Be 313.042	0.0462	0.0392	0.0440
Ca 370.602	52925	53040	53052
Cd 226.502	-0.7853	-0.3989	-0.8618
Co 228.615	1.6779	1.0559	1.1340
Cr 267.716	0.9587	0.6918	1.0409
Cu 324.754	-0.4047u	-0.4469u	-0.2985u
Fe 271.441	47543.3	47536.8	47434.6
K 766.491	13787.6	13760.2	13767.2
Mg 279.078	10576.2	10594.4	10583.1
Mn 257.610	64.9021	64.8254	64.8204
Mo 202.032	-1.2476u	0.0055u	-0.9997u
Na 330.237	22035.7	22132.5	21825.3
Ni 231.604	1.2407	-0.6448u	1.1800
Pb 220.353	-3.3375u	-1.3704u	-4.3131u
Sb 206.834	4.8162	4.3949	-6.0947u
Se 196.026	2.4331	9.3120	-4.9072u
Sn 189.925	-0.0274	0.8528	0.6294
Sr 216.596	263.681	265.989	264.563
Ti 334.941	-0.1552	-0.0990	-0.1684
Tl 190.794	1.5639u	2.6884	-0.1401u
V 292.401	-0.6764u	-0.7416u	-0.2450u
Zn 206.200	33.5124	34.0314	33.2196

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5457	ppb	0.1551	28.4	-121.274
Al 308.215	2.1859	ppb	1.8577	85.0	134.335
As 188.980	62.4938	ppb	3.8309	6.1	41.8416
B 249.678	236.258	ppb	1.6683	0.7	2418.20
Ba 389.178	37.0010	ppb	1.1687	3.2	817.786
Be 313.042	0.0431	ppb	0.0035	8.2	-52.2342
Ca 370.602	53006	ppb	70.26	0.1	147488
Cd 226.502	-0.6820	ppb	0.2482	36.4	94.7370
Co 228.615	1.2893	ppb	0.3388	26.3	26.3081
Cr 267.716	0.8971	ppb	0.1825	20.3	49.1984
Cu 324.754	-0.3834	ppb	0.0765	19.9	81.0852
Fe 271.441	47504.9	ppb	60.9535	0.1	75251.6
K 766.491	13771.7	ppb	14.2145	0.1	581882
Mg 279.078	10584.6	ppb	9.1944	0.1	21180.5
Mn 257.610	64.8493	ppb	0.0458	0.1	14109.9
Mo 202.032	-0.7473	ppb	0.6636	88.8	8.7574
Na 330.237	21997.8	ppb	157.066	0.7	1047.34
Ni 231.604	0.5920	ppb	1.0715	181.0	4.6953
Pb 220.353	-3.0070	ppb	1.4989	49.8	0.1784
Sb 206.834	1.0388	ppb	6.1814	595.1	2.4445
Se 196.026	2.2793	ppb	7.1108	312.0	0.6091
Sn 189.925	0.4849	ppb	0.4575	94.3	-0.8673
Sr 216.596	264.744	ppb	1.1646	0.4	2298.25
Ti 334.941	-0.1409	ppb	0.0369	26.2	-22.5863
Tl 190.794	1.3707	ppb	1.4241	103.9	-4.3881
V 292.401	-0.5543	ppb	0.2699	48.7	-5.7827
Zn 206.200	33.5878	ppb	0.4111	1.2	525116

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-a-4-aSD^5 (Samp) **3/30/2013, 11:17:45 PM** **Rack 3, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2487u	-1.0266u	-0.4757u
Al 308.215	-0.2176u	0.3842	-2.3335u
As 188.980	61.0473	60.6577	60.6973
B 249.678	242.036	241.797	223.363
Ba 389.178	37.4297	38.1999	33.8421
Be 313.042	0.0470	0.0363	0.0345
Ca 370.602	53907	54047	49562
Cd 226.502	-0.6498	-0.7051	-0.9288
Co 228.615	1.7589	1.6778	1.1341
Cr 267.716	0.7455	1.2188	0.8268
Cu 324.754	-0.6726u	-0.9817u	-0.2957u
Fe 271.441	48327.3	48213.6	44352.8
K 766.491	14079.0	14036.2	13074.6
Mg 279.078	10787.8	10800.0	9919.11
Mn 257.610	66.4747	66.2952	60.8671
Mo 202.032	-0.1423u	-0.9163u	-2.1058u
Na 330.237	21899.3	21686.3	20378.1
Ni 231.604	1.6203	2.4663	1.0493
Pb 220.353	-4.1159u	-2.3855u	-5.3472u
Sb 206.834	3.8411	-2.9631u	1.8015
Se 196.026	10.0905	2.0188	3.6829
Sn 189.925	-1.8341u	5.5700	3.5380
Sr 216.596	269.849	271.662	248.419
Ti 334.941	-0.1885u	-0.2115u	-0.3389u
Tl 190.794	1.4914u	1.6287u	-0.7059u
V 292.401	-0.5419u	-0.0757u	-0.1303u
Zn 206.200	6.4806	5.8629	5.6589

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5836	ppb	0.4000	68.5	-123.611
Al 308.215	-0.7223	ppb	1.4274	197.6	121.044
As 188.980	60.8008	ppb	0.2144	0.4	40.7482
B 249.678	235.732	ppb	10.7122	4.5	2413.77
Ba 389.178	36.4906	ppb	2.3257	6.4	806.551
Be 313.042	0.0393	ppb	0.0067	17.2	-59.6281
Ca 370.602	52505	ppb	2550	4.9	146103
Cd 226.502	-0.7612	ppb	0.1477	19.4	90.8977
Co 228.615	1.5236	ppb	0.3397	22.3	28.8070
Cr 267.716	0.9304	ppb	0.2531	27.2	50.3827
Cu 324.754	-0.6500	ppb	0.3436	52.9	69.2193
Fe 271.441	46964.5	ppb	2262.58	4.8	74395.8
K 766.491	13729.9	ppb	567.919	4.1	580121
Mg 279.078	10502.3	ppb	505.106	4.8	21016.1
Mn 257.610	64.5457	ppb	3.1870	4.9	14043.2
Mo 202.032	-1.0548	ppb	0.9890	93.8	7.0036
Na 330.237	21321.2	ppb	823.659	3.9	1015.16
Ni 231.604	1.7120	ppb	0.7129	41.6	7.3951
Pb 220.353	-3.9495	ppb	1.4879	37.7	-1.1962
Sb 206.834	0.8931	ppb	3.4919	391.0	2.3297
Se 196.026	5.2641	ppb	4.2618	81.0	1.9944
Sn 189.925	2.4246	ppb	3.8256	157.8	0.4622
Sr 216.596	263.310	ppb	12.9282	4.9	2285.75
Ti 334.941	-0.2463	ppb	0.0810	32.9	-46.3684
Tl 190.794	0.8047	ppb	1.3101	162.8	-4.8657
V 292.401	-0.2493	ppb	0.2548	102.2	1.9153
Zn 206.200	6.0008	ppb	0.4278	7.1	11.0213

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-a-4-aPDS (Samp) **3/30/2013, 11:23:12 PM** **Rack 3, Tube 31****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4317	0.0477	-0.6736u
Al 308.215	-4.7311u	2.5229	-2.8916u
As 188.980	10.4737	6.4824	7.5746
B 249.678	39.5697	39.4060	39.1589
Ba 389.178	7.0786	6.3945	7.9069
Be 313.042	0.0366	0.0336	0.0392
Ca 370.602	10871	10862	10899
Cd 226.502	-0.1160	-0.2475	-0.1719
Co 228.615	-0.1751u	0.2961	-0.6477u
Cr 267.716	0.0673	0.0329	0.2228
Cu 324.754	-1.1931u	-0.4336u	-1.0983u
Fe 271.441	9705.00	9693.98	9722.21
K 766.491	2720.07	2711.14	2714.50
Mg 279.078	2173.22	2178.02	2169.67
Mn 257.610	13.4683	13.4114	13.4883
Mo 202.032	0.7555	-0.1398u	-0.3524u
Na 330.237	4570.58	4265.66	4368.12
Ni 231.604	0.8088	0.5410	0.3801
Pb 220.353	-1.8864u	0.4466	2.6457
Sb 206.834	-3.2988u	0.6034	-7.7454u
Se 196.026	1.7362	9.2119	1.3269
Sn 189.925	-1.3517u	3.4310	-0.9314u
Sr 216.596	54.0277	54.9448	55.6727
Ti 334.941	-0.2204u	-0.2267u	-0.1926u
Tl 190.794	4.6005	6.5498	5.3704
V 292.401	-0.4651u	-0.2485u	-0.6860u
Zn 206.200	2.3927	1.5295	0.4298

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0647	ppb	0.5612	866.8	-82.1532
Al 308.215	-1.6999	ppb	3.7710	221.8	116.716
As 188.980	8.1769	ppb	2.0627	25.2	6.7568
B 249.678	39.3782	ppb	0.2068	0.5	605.849
Ba 389.178	7.1267	ppb	0.7573	10.6	144.751
Be 313.042	0.0365	ppb	0.0028	7.6	-75.6826
Ca 370.602	10877	ppb	19.23	0.2	30253
Cd 226.502	-0.1785	ppb	0.0660	37.0	29.6729
Co 228.615	-0.1756	ppb	0.4719	268.8	11.9445
Cr 267.716	0.1077	ppb	0.1012	93.9	10.6418
Cu 324.754	-0.9083	ppb	0.4138	45.6	48.2854
Fe 271.441	9707.06	ppb	14.2238	0.1	15384.3
K 766.491	2715.24	ppb	4.5079	0.2	114905
Mg 279.078	2173.64	ppb	4.1888	0.2	4373.95
Mn 257.610	13.4560	ppb	0.0399	0.3	2980.82
Mo 202.032	0.0878	ppb	0.5879	669.9	15.0709
Na 330.237	4401.46	ppb	155.172	3.5	212.253
Ni 231.604	0.5766	ppb	0.2165	37.6	3.9419
Pb 220.353	0.4020	ppb	2.2664	563.8	5.1401
Sb 206.834	-3.4803	ppb	4.1774	120.0	-1.5762
Se 196.026	4.0917	ppb	4.4390	108.5	1.2335
Sn 189.925	0.3826	ppb	2.6483	692.1	-0.9563
Sr 216.596	54.8817	ppb	0.8243	1.5	485.042
Ti 334.941	-0.2132	ppb	0.0182	8.5	-71.4913
Tl 190.794	5.5069	ppb	0.9818	17.8	1.0659
V 292.401	-0.4665	ppb	0.2187	46.9	-3.6748
Zn 206.200	1.4507	ppb	0.9838	67.8	4.1810

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-a-4-a (Samp) **3/30/2013, 11:28:38 PM** **Rack 3, Tube 32****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	36.4051	37.2486	36.1422
Al 308.215	2030.80	2045.68	2030.79
As 188.980	2261.36	2258.51	2227.96
B 249.678	1250.94	1263.60	1270.36
Ba 389.178	2199.83	2200.27	2197.77
Be 313.042	48.2253	48.3713	48.3464
Ca 370.602	58566	58616	58523
Cd 226.502	54.8195	54.8957	54.1640
Co 228.615	544.632	547.140	540.771
Cr 267.716	211.534	212.586	211.806
Cu 324.754	243.673	240.585	244.441
Fe 271.441	48347.8	48407.5	48234.5
K 766.491	19424.6	19367.8	19362.2
Mg 279.078	16021.9	16042.7	15987.9
Mn 257.610	594.000	594.938	593.909
Mo 202.032	517.451	523.874	524.564
Na 330.237	26914.3	26806.1	26843.3
Ni 231.604	545.189	542.126	541.645
Pb 220.353	556.459	549.097	546.565
Sb 206.834	491.032	499.809	494.389
Se 196.026	2082.28	2091.44	2087.79
Sn 189.925	1091.87	1098.19	1088.74
Sr 216.596	820.897	823.631	822.994
Ti 334.941	1000.21	1005.04	1002.90
Tl 190.794	2247.48	2257.80	2246.71
V 292.401	511.315	510.728	509.854
Zn 206.200	541.122	545.086	542.998

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	36.5986	ppb	0.5781	1.6	2230.65
Al 308.215	2035.76	ppb	8.5904	0.4	9460.13
As 188.980	2249.28	ppb	18.5179	0.8	1455.49
B 249.678	1261.63	ppb	9.8556	0.8	12038.9
Ba 389.178	2199.29	ppb	1.3339	0.1	44765.8
Be 313.042	48.3143	ppb	0.0781	0.2	90729.3
Ca 370.602	58568	ppb	46.63	0.1	163449
Cd 226.502	54.6264	ppb	0.4023	0.7	1953.34
Co 228.615	544.181	ppb	3.2084	0.6	5775.11
Cr 267.716	211.975	ppb	0.5462	0.3	8310.20
Cu 324.754	242.900	ppb	2.0411	0.8	10781.0
Fe 271.441	48329.9	ppb	87.8689	0.2	76639.7
K 766.491	19384.9	ppb	34.4918	0.2	818960
Mg 279.078	16017.5	ppb	27.6854	0.2	32024.3
Mn 257.610	594.282	ppb	0.5697	0.1	127336
Mo 202.032	521.963	ppb	3.9225	0.8	3024.64
Na 330.237	26854.6	ppb	55.0010	0.2	1269.72
Ni 231.604	542.987	ppb	1.9226	0.4	1317.22
Pb 220.353	550.707	ppb	5.1399	0.9	806.626
Sb 206.834	495.077	ppb	4.4290	0.9	367.352
Se 196.026	2087.17	ppb	4.6106	0.2	970.520
Sn 189.925	1092.93	ppb	4.8152	0.4	748.103
Sr 216.596	822.508	ppb	1.4302	0.2	7053.76
Ti 334.941	1002.72	ppb	2.4226	0.2	223247
Tl 190.794	2250.66	ppb	6.1939	0.3	1994.69
V 292.401	510.632	ppb	0.7353	0.1	12745.1
Zn 206.200	543.069	ppb	1.9826	0.4	818.129

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-b-4-b ms (Samp) **3/30/2013, 11:34:05 PM** **Rack 3, Tube 33****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	20.9477	20.2757	20.6358
Al 308.215	5114.18	5158.94	5164.06
As 188.980	163.377	164.096	164.926
B 249.678	462.763	465.154	465.808
Ba 389.178	145.479	144.177	144.858
Be 313.042	48.7444	48.7434	48.8367
Ca 370.602	58615	58645	58636
Cd 226.502	54.6356	54.4943	55.0586
Co 228.615	55.9367	55.3334	55.8896
Cr 267.716	106.278	106.266	106.277
Cu 324.754	96.4214	97.2174	95.6900
Fe 271.441	52112.9	52012.4	51984.3
K 766.491	19219.6	19164.6	19169.0
Mg 279.078	15899.0	15926.1	15923.2
Mn 257.610	589.780	589.410	589.752
Mo 202.032	101.812	103.162	102.667
Na 330.237	26803.8	26636.0	26682.9
Ni 231.604	106.787	105.930	106.478
Pb 220.353	54.2359	50.8904	55.5229
Sb 206.834	47.7731	49.6707	54.5331
Se 196.026	99.6202	107.865	99.0292
Sn 189.925	215.548	214.883	213.585
Sr 216.596	377.678	378.500	377.455
Ti 334.941	99.3298	99.6709	99.5290
Tl 190.794	51.2746	39.8241	43.5901
V 292.401	103.546	102.095	102.710
Zn 206.200	110.057	111.190	110.729

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.6197	ppb	0.3363	1.6	1226.91
Al 308.215	5145.73	ppb	27.4416	0.5	23607.3
As 188.980	164.133	ppb	0.7751	0.5	107.520
B 249.678	464.575	ppb	1.6032	0.3	4556.40
Ba 389.178	144.838	ppb	0.6511	0.4	3027.24
Be 313.042	48.7748	ppb	0.0536	0.1	91679.7
Ca 370.602	58632	ppb	15.59	0.0	163213
Cd 226.502	54.7295	ppb	0.2936	0.5	1964.73
Co 228.615	55.7199	ppb	0.3355	0.6	601.103
Cr 267.716	106.274	ppb	0.0067	0.0	4175.45
Cu 324.754	96.4429	ppb	0.7639	0.8	4338.99
Fe 271.441	52036.6	ppb	67.6218	0.1	82437.9
K 766.491	19184.4	ppb	30.5601	0.2	810495
Mg 279.078	15916.1	ppb	14.9003	0.1	31821.5
Mn 257.610	589.647	ppb	0.2059	0.0	126353
Mo 202.032	102.547	ppb	0.6832	0.7	604.561
Na 330.237	26707.6	ppb	86.5619	0.3	1271.21
Ni 231.604	106.398	ppb	0.4341	0.4	260.816
Pb 220.353	53.5497	ppb	2.3913	4.5	82.5015
Sb 206.834	50.6589	ppb	3.4867	6.9	39.5399
Se 196.026	102.171	ppb	4.9395	4.8	47.2206
Sn 189.925	214.672	ppb	0.9985	0.5	145.979
Sr 216.596	377.878	ppb	0.5498	0.1	3264.70
Ti 334.941	99.5099	ppb	0.1713	0.2	22180.6
Tl 190.794	44.8963	ppb	5.8359	13.0	33.4449
V 292.401	102.784	ppb	0.7280	0.7	2567.19
Zn 206.200	110.659	ppb	0.5696	0.5	168.110

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-b-4-c msd (Samp) **3/30/2013, 11:39:32 PM** **Rack 3, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	20.2261	20.6430	20.3610
Al 308.215	5035.05	5046.92	5060.80
As 188.980	159.800	155.691	154.133
B 249.678	438.879	440.130	444.060
Ba 389.178	141.078	140.778	141.212
Be 313.042	47.8645	47.8211	47.9294
Ca 370.602	57136	57198	57323
Cd 226.502	53.9035	52.8682	53.4937
Co 228.615	54.3835	54.1028	54.1190
Cr 267.716	104.604	104.792	104.976
Cu 324.754	94.6600	94.0186	93.5505
Fe 271.441	50870.9	50771.7	50768.6
K 766.491	18612.3	18585.8	18608.7
Mg 279.078	15472.0	15521.7	15513.2
Mn 257.610	579.381	578.745	578.946
Mo 202.032	100.031	100.626	100.397
Na 330.237	26069.8	25953.9	26032.9
Ni 231.604	105.986	104.470	104.985
Pb 220.353	50.4565	55.0206	54.0098
Sb 206.834	47.0210	54.0761	48.7418
Se 196.026	87.1790	87.6358	91.7071
Sn 189.925	209.708	209.417	210.908
Sr 216.596	367.748	367.219	369.626
Ti 334.941	97.2155	97.5961	98.0412
Tl 190.794	40.1907	38.8878	39.8403
V 292.401	100.818	100.667	100.471
Zn 206.200	106.946	107.594	107.500

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	20.4101	ppb	0.2127	1.0	1213.89
Al 308.215	5047.59	ppb	12.8879	0.3	23159.3
As 188.980	156.541	ppb	2.9277	1.9	102.613
B 249.678	441.023	ppb	2.7031	0.6	4336.53
Ba 389.178	141.023	ppb	0.2223	0.2	2947.25
Be 313.042	47.8717	ppb	0.0545	0.1	89979.4
Ca 370.602	57219	ppb	95.30	0.2	159277
Cd 226.502	53.4218	ppb	0.5214	1.0	1918.19
Co 228.615	54.2018	ppb	0.1576	0.3	585.110
Cr 267.716	104.791	ppb	0.1863	0.2	4117.14
Cu 324.754	94.0764	ppb	0.5570	0.6	4234.64
Fe 271.441	50803.7	ppb	58.2033	0.1	80485.1
K 766.491	18602.3	ppb	14.3967	0.1	785908
Mg 279.078	15502.3	ppb	26.5849	0.2	30995.0
Mn 257.610	579.024	ppb	0.3247	0.1	124077
Mo 202.032	100.351	ppb	0.2999	0.3	591.939
Na 330.237	26018.9	ppb	59.2117	0.2	1238.48
Ni 231.604	105.147	ppb	0.7710	0.7	257.766
Pb 220.353	53.1623	ppb	2.3972	4.5	81.9400
Sb 206.834	49.9463	ppb	3.6785	7.4	38.9937
Se 196.026	88.8406	ppb	2.4929	2.8	41.0107
Sn 189.925	210.011	ppb	0.7902	0.4	142.784
Sr 216.596	368.198	ppb	1.2651	0.3	3181.36
Ti 334.941	97.6176	ppb	0.4133	0.4	21757.8
Tl 190.794	39.6396	ppb	0.6742	1.7	28.8407
V 292.401	100.652	ppb	0.1740	0.2	2514.13
Zn 206.200	107.347	ppb	0.3592	0.3	162.134

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-a-5-a (Samp) 3/30/2013, 11:44:58 PM Rack 3, Tube 35

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3648u	0.1452u	0.3666
Al 308.215	2.6754	1.5546	4.5751
As 188.980	62.8711	63.3293	58.5372
B 249.678	244.843	245.013	246.181
Ba 389.178	36.4607	36.2319	36.8265
Be 313.042	0.0331	0.0342	0.0361
Ca 370.602	53516	53524	53605
Cd 226.502	-0.6315	-1.2060	-0.8880
Co 228.615	0.6787	0.7293	1.1494
Cr 267.716	0.9833	1.3137	0.9593
Cu 324.754	-1.0839u	-0.7191u	-1.4361u
Fe 271.441	47248.9	47216.7	47301.9
K 766.491	13413.9	13435.8	13459.8
Mg 279.078	10470.7	10461.2	10485.1
Mn 257.610	62.2625	62.2249	62.3614
Mo 202.032	-1.2843u	0.1285u	-0.5741u
Na 330.237	21236.3	21008.6	21335.7
Ni 231.604	0.5073	0.1318	1.2707
Pb 220.353	-7.0603u	1.4128	-3.6342u
Sb 206.834	-4.8390u	0.5962	4.7799
Se 196.026	-1.3817u	-2.8383u	11.5617
Sn 189.925	1.4370	2.6284	0.9640
Sr 216.596	265.143	266.120	267.498
Ti 334.941	-0.1501	-0.1524	-0.1595
Tl 190.794	3.4666	4.2388	2.1298u
V 292.401	-0.5268u	-0.7747u	-0.2976u
Zn 206.200	3.6737	4.8775	2.4157

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0490	ppb	0.3751	765.0	-83.4026
Al 308.215	2.9351	ppb	1.5269	52.0	137.797
As 188.980	61.5792	ppb	2.6444	4.3	41.2537
B 249.678	245.346	ppb	0.7285	0.3	2503.75
Ba 389.178	36.5064	ppb	0.2999	0.8	807.092
Be 313.042	0.0345	ppb	0.0015	4.4	-68.4817
Ca 370.602	53548	ppb	49.28	0.1	149054
Cd 226.502	-0.9085	ppb	0.2878	31.7	86.5030
Co 228.615	0.8525	ppb	0.2584	30.3	21.6833
Cr 267.716	1.0854	ppb	0.1981	18.2	56.4947
Cu 324.754	-1.0797	ppb	0.3585	33.2	50.4195
Fe 271.441	47255.8	ppb	43.0423	0.1	74857.1
K 766.491	13436.5	ppb	22.9394	0.2	567728
Mg 279.078	10472.3	ppb	12.0297	0.1	20956.2
Mn 257.610	62.2829	ppb	0.0705	0.1	13559.8
Mo 202.032	-0.5766	ppb	0.7064	122.5	9.7536
Na 330.237	21193.5	ppb	167.732	0.8	1008.97
Ni 231.604	0.6366	ppb	0.5804	91.2	4.7977
Pb 220.353	-3.0939	ppb	4.2623	137.8	0.0506
Sb 206.834	0.1791	ppb	4.8230	2693.5	1.7956
Se 196.026	2.4473	ppb	7.9269	323.9	0.6850
Sn 189.925	1.6765	ppb	0.8576	51.2	-0.0506
Sr 216.596	266.254	ppb	1.1828	0.4	2311.08
Ti 334.941	-0.1540	ppb	0.0049	3.2	-25.9334
Tl 190.794	3.2784	ppb	1.0671	32.5	-2.6756
V 292.401	-0.5330	ppb	0.2386	44.8	-5.3260
Zn 206.200	3.6556	ppb	1.2310	33.7	-7.4941

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88736-c-7-a (Samp) **3/30/2013, 11:50:25 PM** **Rack 3, Tube 36****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.1302	-0.2881u	-0.7295u
Al 308.215	0.4387	0.6445	0.4210
As 188.980	-3.7802u	-4.5951u	4.3671
B 249.678	-7.2810u	-7.0176u	-8.3281u
Ba 389.178	0.2383	0.7857	1.4637
Be 313.042	0.0435	0.0422	0.0371
Ca 370.602	86.95	91.10	85.45
Cd 226.502	-0.4812u	-0.2754u	-0.2614u
Co 228.615	-0.3559u	-0.9381u	-0.2828u
Cr 267.716	0.0850	0.2060	-0.0488u
Cu 324.754	-0.5453u	-0.4381u	-1.0227u
Fe 271.441	8.5737	11.8990	10.5981
K 766.491	4.8469	5.2579	4.8922
Mg 279.078	3.6350	2.4813	-1.1700u
Mn 257.610	0.0833	0.0320	0.0156
Mo 202.032	-1.7646u	-1.1345u	-0.4093u
Na 330.237	188.361	11.1998	245.387
Ni 231.604	1.2244	-2.4697u	1.0050
Pb 220.353	-1.2948u	-2.2585u	-0.6901u
Sb 206.834	-0.8424u	4.2319	-1.5813u
Se 196.026	-6.7864u	8.8945	5.8284
Sn 189.925	-4.7779u	1.8050	4.1776
Sr 216.596	0.3819	0.1732	0.4042
Ti 334.941	-0.1136u	-0.0205u	-0.0687u
Tl 190.794	0.5048	-1.8243u	5.0665
V 292.401	-0.1924u	-0.5563u	-0.5300u
Zn 206.200	2.6746	3.9403	4.9852

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2958	ppb	0.4299	145.3	-94.7033
Al 308.215	0.5014	ppb	0.1242	24.8	126.682
As 188.980	-1.3361	ppb	4.9559	370.9	0.6154
B 249.678	-7.5422	ppb	0.6932	9.2	174.565
Ba 389.178	0.8292	ppb	0.6139	74.0	-0.1802
Be 313.042	0.0410	ppb	0.0034	8.2	-69.9187
Ca 370.602	87.84	ppb	2.925	3.3	229.5
Cd 226.502	-0.3393	ppb	0.1230	36.3	3.2492
Co 228.615	-0.5256	ppb	0.3591	68.3	8.5660
Cr 267.716	0.0807	ppb	0.1275	157.9	7.6267
Cu 324.754	-0.6687	ppb	0.3112	46.5	56.2983
Fe 271.441	10.3569	ppb	1.6757	16.2	25.9537
K 766.491	4.9990	ppb	0.2254	4.5	436.262
Mg 279.078	1.6488	ppb	2.5083	152.1	33.9443
Mn 257.610	0.0437	ppb	0.0353	80.9	76.9541
Mo 202.032	-1.1028	ppb	0.6782	61.5	8.5830
Na 330.237	148.316	ppb	122.121	82.3	10.4912
Ni 231.604	-0.0801	ppb	2.0723	2587.4	2.1692
Pb 220.353	-1.4145	ppb	0.7910	55.9	2.4888
Sb 206.834	0.6027	ppb	3.1646	525.1	1.3116
Se 196.026	2.6455	ppb	8.3109	314.2	0.5047
Sn 189.925	0.4016	ppb	4.6398	1155.4	-0.9481
Sr 216.596	0.3198	ppb	0.1274	39.8	13.7062
Ti 334.941	-0.0676	ppb	0.0466	68.9	-47.5592
Tl 190.794	1.2490	ppb	3.5051	280.6	-2.2625
V 292.401	-0.4262	ppb	0.2029	47.6	-2.5198
Zn 206.200	3.8667	ppb	1.1571	29.8	7.8150

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/30/2013, 11:55:51 PM Rack 3, Tube 37

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	480.077	483.431	481.170
Al 308.215	5046.04	5016.44	4963.50
As 188.980	465.363	470.848	473.825
B 249.678	520.187	520.148	522.370
Ba 389.178	4939.64	4905.43	4871.68
Be 313.042	442.949	440.144	438.471
Ca 370.602	5139	5115	5085
Cd 226.502	500.263	495.045	491.916
Co 228.615	495.525	489.256	486.123
Cr 267.716	4851.63	4836.00	4818.19
Cu 324.754	4397.21	4379.90	4367.11
Fe 271.441	5156.69	5115.15	5065.01
K 766.491	10160.2	10071.6	9980.63
Mg 279.078	5146.98	5107.24	5079.48
Mn 257.610	4776.96	4749.15	4716.06
Mo 202.032	497.568	499.160	496.714
Na 330.237	7338.76	7302.73	7689.07
Ni 231.604	2507.77	2482.62	2465.70
Pb 220.353	526.894	529.464	527.049
Sb 206.834	948.926	937.560	944.327
Se 196.026	4891.20	4862.85	4800.27
Sn 189.925	5163.25	5170.52	5182.53
Sr 216.596	2618.64	2609.00	2596.33
Ti 334.941	494.567	493.413	491.934
Tl 190.794	5326.08	5269.29	5217.05
V 292.401	4918.32	4890.81	4855.14
Zn 206.200	2477.01	2454.64	2437.88

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	481.559	ppb	1.7104	0.4	30584.5	96.31189
Al 308.215	5008.66	ppb	41.8138	0.8	22956.6	100.17316
As 188.980	470.012	ppb	4.2923	0.9	305.190	94.00243
B 249.678	520.902	ppb	1.2715	0.2	5128.36	20.83607Q
Ba 389.178	4905.58	ppb	33.9785	0.7	99679.1	98.11166
Be 313.042	440.521	ppb	2.2628	0.5	829000	88.10422Q
Ca 370.602	5113	ppb	27.14	0.5	14407	102.25398
Cd 226.502	495.741	ppb	4.2165	0.9	16668.0	99.14828
Co 228.615	490.301	ppb	4.7872	1.0	5206.38	98.06023
Cr 267.716	4835.27	ppb	16.7296	0.3	189237	96.70547
Cu 324.754	4381.40	ppb	15.1039	0.3	192599	87.62810Q
Fe 271.441	5112.28	ppb	45.9057	0.9	8218.58	102.24565
K 766.491	10070.8	ppb	89.7941	0.9	425574	100.70818
Mg 279.078	5111.23	ppb	33.9252	0.7	10167.6	102.22467
Mn 257.610	4747.39	ppb	30.4884	0.6	1015114	94.94785
Mo 202.032	497.814	ppb	1.2414	0.2	2880.40	99.56284
Na 330.237	7443.52	ppb	213.415	2.9	339.047	99.24697
Ni 231.604	2485.37	ppb	21.1707	0.9	6016.65	99.41462
Pb 220.353	527.803	ppb	1.4412	0.3	774.249	105.56053
Sb 206.834	943.604	ppb	5.7169	0.6	738.212	94.36042
Se 196.026	4851.44	ppb	46.5274	1.0	2257.04	97.02878
Sn 189.925	5172.10	ppb	9.7366	0.2	3544.70	103.44200
Sr 216.596	2607.99	ppb	11.1883	0.4	22304.0	104.31969
Ti 334.941	493.305	ppb	1.3196	0.3	109803	98.66095
Tl 190.794	5270.81	ppb	54.5319	1.0	4677.95	105.41619
V 292.401	4888.09	ppb	31.6810	0.6	122475	97.76181
Zn 206.200	2456.51	ppb	19.6301	0.8	2682.21	98.26043

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/31/2013, 12:01:19 AM Rack 3, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.8891u	0.5687	0.2831
Al 308.215	-3.7378u	-2.0917u	-4.0575u
As 188.980	-1.7162u	-5.3415u	-3.9507u
B 249.678	-4.6868u	-5.6784u	-6.5072u
Ba 389.178	-0.1087u	-0.1166u	1.2081
Be 313.042	0.0571	0.0397	0.0472
Ca 370.602	-3.726u	2.553	-1.594u
Cd 226.502	-0.3481u	0.0670	-0.4935u
Co 228.615	-0.6276u	0.0109	-0.6414u
Cr 267.716	0.0063	-0.1644u	-0.1304u
Cu 324.754	-0.8463u	-0.8815u	-1.7513u
Fe 271.441	4.4959	-1.0583u	3.3640
K 766.491	-1.1052u	-1.5373u	-1.3857u
Mg 279.078	-5.9813u	-0.8665u	0.0309
Mn 257.610	-0.1216u	-0.0840u	-0.0505u
Mo 202.032	1.0487	0.1674	0.1245
Na 330.237	-65.6062u	46.5354	-349.738u
Ni 231.604	0.9995	0.1416	-0.1575u
Pb 220.353	-1.0625u	-0.8331u	0.6853
Sb 206.834	10.8108	4.2134	-0.2667u
Se 196.026	1.8718	9.6799	7.0535
Sn 189.925	1.2144	0.0466	-0.9556u
Sr 216.596	0.0030	-0.3321u	-0.4026u
Ti 334.941	-0.0701u	-0.1657u	-0.1298u
Tl 190.794	5.2446	3.1146	3.5448
V 292.401	-0.3525u	-0.6170u	0.2367
Zn 206.200	1.1063	0.7406	-0.6793u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.0125	ppb	0.7725	6202.2	-76.6136	-0.01246
Al 308.215	-3.2957	ppb	1.0549	32.0	109.472	-3.29568
As 188.980	-3.6695	ppb	1.8289	49.8	-0.8942	-3.66945
B 249.678	-5.6241	ppb	0.9115	16.2	192.569	-5.62413
Ba 389.178	0.3276	ppb	0.7625	232.8	-10.3811	0.32758
Be 313.042	0.0480	ppb	0.0087	18.1	-56.8073	0.04801
Ca 370.602	-0.9223	ppb	3.193	346.2	-22.81	-0.92231
Cd 226.502	-0.2582	ppb	0.2909	112.7	5.9615	-0.25820
Co 228.615	-0.4194	ppb	0.3727	88.9	9.6558	-0.41937
Cr 267.716	-0.0961	ppb	0.0903	94.0	0.6973	-0.09613
Cu 324.754	-1.1597	ppb	0.5127	44.2	34.7432	-1.15971
Fe 271.441	2.2672	ppb	2.9351	129.5	13.1234	2.26718
K 766.491	-1.3427	ppb	0.2192	16.3	168.414	-1.34272
Mg 279.078	-2.2723	ppb	3.2433	142.7	26.1136	-2.27233
Mn 257.610	-0.0854	ppb	0.0356	41.6	49.3318	-0.08539
Mo 202.032	0.4468	ppb	0.5216	116.7	17.5263	0.44683
Na 330.237	-122.936	ppb	204.263	166.2	-2.5173	-122.93639
Ni 231.604	0.3279	ppb	0.6005	183.1	3.1563	0.32789
Pb 220.353	-0.4034	ppb	0.9498	235.4	3.9622	-0.40344
Sb 206.834	4.9192	ppb	5.5724	113.3	4.5174	4.91917
Se 196.026	6.2017	ppb	3.9731	64.1	2.1588	6.20174
Sn 189.925	0.1018	ppb	1.0860	1067.1	-1.1538	0.10177
Sr 216.596	-0.2439	ppb	0.2167	88.9	8.8320	-0.24389
Ti 334.941	-0.1219	ppb	0.0483	39.6	-59.6416	-0.12189
Tl 190.794	3.9680	ppb	1.1263	28.4	0.1546	3.96800
V 292.401	-0.2443	ppb	0.4370	178.9	1.8709	-0.24428
Zn 206.200	0.3892	ppb	0.9422	242.3	2.5855	0.38921

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-271112/1-a (Samp) 3/31/2013, 12:06:56 AM Rack 3, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.8139	0.2110	0.3534
Al 308.215	-3.9504u	-2.7500u	-0.8385u
As 188.980	-9.9858u	-8.5743u	-9.9538u
B 249.678	-14.8466u	-15.9409u	-14.7012u
Ba 389.178	9.0158	7.0357	7.4660
Be 313.042	0.0393	0.0356	0.0409
Ca 370.602	4.927	8.709	17.72
Cd 226.502	-0.1117u	-0.1530u	0.1388
Co 228.615	-0.2779u	-0.6468u	-0.3152u
Cr 267.716	-0.1217u	-0.0082u	0.1548
Cu 324.754	-0.7140u	-0.5574u	-0.8417u
Fe 271.441	-2.1156u	8.6671	4.1562
K 766.491	2.5384	2.2510	3.6787
Mg 279.078	-2.4881u	2.8352	4.7554
Mn 257.610	0.7592	0.7475	0.8603
Mo 202.032	-1.1178u	0.0339	-0.2947u
Na 330.237	774.405	825.789	664.519
Ni 231.604	-0.7631u	-0.9514u	-0.4837u
Pb 220.353	-3.5221u	-0.0296u	-0.2796u
Sb 206.834	5.0032	-5.4295u	5.8612
Se 196.026	9.5802	11.8220	3.5985
Sn 189.925	1.5894	-0.9496u	2.8958
Sr 216.596	-0.0096u	0.4095	0.3305
Ti 334.941	-0.1295u	-0.1587u	-0.2560u
Tl 190.794	2.6258	3.0536	2.4060
V 292.401	-0.2155u	-0.2546u	-0.5211u
Zn 206.200	3.9797	2.9296	4.1687

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7928	ppb	0.8872	111.9	-25.2504
Al 308.215	-2.5130	ppb	1.5694	62.5	112.974
As 188.980	-9.5046	ppb	0.8059	8.5	-4.6664
B 249.678	-15.1629	ppb	0.6777	4.5	103.062
Ba 389.178	7.8392	ppb	1.0415	13.3	142.241
Be 313.042	0.0386	ppb	0.0027	7.1	-74.4960
Ca 370.602	10.45	ppb	6.573	62.9	9.492
Cd 226.502	-0.0420	ppb	0.1579	376.3	13.2193
Co 228.615	-0.4133	ppb	0.2031	49.1	9.7376
Cr 267.716	0.0083	ppb	0.1390	1673.1	4.8011
Cu 324.754	-0.7044	ppb	0.1424	20.2	54.7386
Fe 271.441	3.5692	ppb	5.4152	151.7	15.1705
K 766.491	2.8227	ppb	0.7551	26.8	344.344
Mg 279.078	1.7008	ppb	3.7527	220.6	34.0361
Mn 257.610	0.7890	ppb	0.0620	7.9	236.303
Mo 202.032	-0.4595	ppb	0.5933	129.1	12.2957
Na 330.237	754.904	ppb	82.3843	10.9	39.6539
Ni 231.604	-0.7327	ppb	0.2354	32.1	0.5898
Pb 220.353	-1.2771	ppb	1.9482	152.6	2.6889
Sb 206.834	1.8116	ppb	6.2857	347.0	2.2081
Se 196.026	8.3336	ppb	4.2511	51.0	3.1507
Sn 189.925	1.1786	ppb	1.9553	165.9	-0.4153
Sr 216.596	0.2435	ppb	0.2227	91.5	13.0422
Ti 334.941	-0.1814	ppb	0.0662	36.5	-72.9319
Tl 190.794	2.6951	ppb	0.3293	12.2	-0.9780
V 292.401	-0.3304	ppb	0.1663	50.3	-0.1885
Zn 206.200	3.6927	ppb	0.6676	18.1	7.5535

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-271112/2-a (Samp) 3/31/2013, 12:12:24 AM Rack 3, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	52.7508	51.3881	50.4602
Al 308.215	5144.28	5135.19	5154.94
As 188.980	103.683	99.2587	102.625
B 249.678	183.120	184.807	187.117
Ba 389.178	110.341	109.201	109.967
Be 313.042	50.2957	50.2162	50.3877
Ca 370.602	5316	5315	5327
Cd 226.502	56.9712	57.0788	56.8579
Co 228.615	55.2739	54.2606	53.4016
Cr 267.716	108.837	108.633	108.849
Cu 324.754	97.6147	98.6418	95.9835
Fe 271.441	5332.19	5313.32	5318.08
K 766.491	5286.31	5282.99	5298.07
Mg 279.078	5435.41	5428.52	5444.36
Mn 257.610	537.742	537.488	537.953
Mo 202.032	103.148	103.812	105.446
Na 330.237	4902.87	5102.66	5172.82
Ni 231.604	109.282	109.443	108.507
Pb 220.353	55.9952	55.1954	52.5352
Sb 206.834	51.9199	54.4513	47.6354
Se 196.026	100.100	114.024	109.397
Sn 189.925	218.588	217.155	221.587
Sr 216.596	112.488	113.435	113.761
Ti 334.941	102.449	102.332	102.666
Tl 190.794	48.9161	41.5285	48.6297
V 292.401	104.982	104.692	104.356
Zn 206.200	110.005	109.175	109.414

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	51.5330	ppb	1.1522	2.2	3209.60
Al 308.215	5144.80	ppb	9.8842	0.2	23603.1
As 188.980	101.856	ppb	2.3104	2.3	67.2881
B 249.678	185.015	ppb	2.0069	1.1	1976.47
Ba 389.178	109.836	ppb	0.5812	0.5	2234.28
Be 313.042	50.2999	ppb	0.0858	0.2	94537.3
Ca 370.602	5319	ppb	6.620	0.1	14774
Cd 226.502	56.9693	ppb	0.1105	0.2	1938.67
Co 228.615	54.3120	ppb	0.9372	1.7	587.681
Cr 267.716	108.773	ppb	0.1215	0.1	4263.82
Cu 324.754	97.4133	ppb	1.3406	1.4	4369.59
Fe 271.441	5321.20	ppb	9.8103	0.2	8446.48
K 766.491	5289.12	ppb	7.9212	0.1	223616
Mg 279.078	5436.10	ppb	7.9379	0.1	10880.6
Mn 257.610	537.728	ppb	0.2332	0.0	115078
Mo 202.032	104.135	ppb	1.1830	1.1	615.569
Na 330.237	5059.45	ppb	140.066	2.8	243.606
Ni 231.604	109.077	ppb	0.5007	0.5	266.415
Pb 220.353	54.5753	ppb	1.8115	3.3	83.9860
Sb 206.834	51.3355	ppb	3.4453	6.7	39.2721
Se 196.026	107.840	ppb	7.0912	6.6	49.5902
Sn 189.925	219.110	ppb	2.2618	1.0	148.998
Sr 216.596	113.228	ppb	0.6610	0.6	978.423
Ti 334.941	102.482	ppb	0.1698	0.2	22801.5
Tl 190.794	46.3581	ppb	4.1850	9.0	36.9259
V 292.401	104.677	ppb	0.3130	0.3	2614.59
Zn 206.200	109.532	ppb	0.4273	0.4	166.411

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-271112/3-a (Samp) 3/31/2013, 12:17:51 AM Rack 3, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	205.423	205.774	206.810
Al 308.215	2023.27	2025.70	2038.55
As 188.980	199.127	200.250	199.864
B 249.678	383.800	387.736	391.131
Ba 389.178	208.270	208.606	209.753
Be 313.042	198.056	198.270	199.234
Ca 370.602	20984	21126	21203
Cd 226.502	216.036	215.942	217.370
Co 228.615	212.167	211.004	212.702
Cr 267.716	210.507	211.603	211.949
Cu 324.754	192.797	192.330	193.847
Fe 271.441	21701.8	21709.4	21803.6
K 766.491	20704.4	20777.3	20869.6
Mg 279.078	21478.0	21534.2	21617.9
Mn 257.610	2110.22	2113.38	2122.31
Mo 202.032	204.609	203.743	206.138
Na 330.237	18816.6	18997.5	18777.2
Ni 231.604	214.639	213.645	210.922
Pb 220.353	217.607	221.098	218.858
Sb 206.834	191.686	197.564	195.090
Se 196.026	205.577	209.758	207.535
Sn 189.925	209.891	215.884	219.010
Sr 216.596	229.947	230.596	232.116
Ti 334.941	200.970	201.373	202.441
Tl 190.794	47.3758	50.2669	47.9588
V 292.401	202.362	202.947	203.538
Zn 206.200	204.319	202.005	205.481

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	206.002	ppb	0.7209	0.3	13065.0
Al 308.215	2029.17	ppb	8.2077	0.4	9400.06
As 188.980	199.747	ppb	0.5703	0.3	130.508
B 249.678	387.556	ppb	3.6687	0.9	3861.76
Ba 389.178	208.876	ppb	0.7778	0.4	4304.61
Be 313.042	198.520	ppb	0.6276	0.3	373585
Ca 370.602	21104	ppb	111.0	0.5	58592
Cd 226.502	216.449	ppb	0.7989	0.4	7328.21
Co 228.615	211.958	ppb	0.8684	0.4	2253.92
Cr 267.716	211.353	ppb	0.7527	0.4	8285.93
Cu 324.754	192.991	ppb	0.7771	0.4	8575.69
Fe 271.441	21738.3	ppb	56.7058	0.3	34472.4
K 766.491	20783.8	ppb	82.7963	0.4	878044
Mg 279.078	21543.3	ppb	70.3770	0.3	43034.6
Mn 257.610	2115.30	ppb	6.2722	0.3	452497
Mo 202.032	204.830	ppb	1.2125	0.6	1195.91
Na 330.237	18863.8	ppb	117.454	0.6	901.204
Ni 231.604	213.068	ppb	1.9244	0.9	518.367
Pb 220.353	219.187	ppb	1.7685	0.8	324.223
Sb 206.834	194.780	ppb	2.9510	1.5	147.088
Se 196.026	207.623	ppb	2.0924	1.0	96.4613
Sn 189.925	214.928	ppb	4.6338	2.2	146.141
Sr 216.596	230.886	ppb	1.1131	0.5	1988.40
Ti 334.941	201.595	ppb	0.7600	0.4	44924.0
Tl 190.794	48.5338	ppb	1.5290	3.2	36.1335
V 292.401	202.949	ppb	0.5882	0.3	5061.12
Zn 206.200	203.935	ppb	1.7697	0.8	208.087

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-d-1-a (Samp) 3/31/2013, 12:23:29 AM Rack 3, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2014u	0.0306u	0.0324u
Al 308.215	13.6122	11.5432	13.7988
As 188.980	7.9429	8.0001	6.2288
B 249.678	107.073	106.672	105.676
Ba 389.178	129.115	129.790	129.561
Be 313.042	0.0562	0.0559	0.0571
Ca 370.602	17845	17911	17817
Cd 226.502	-0.6351	-0.8631	-0.7469
Co 228.615	30.3273	30.1356	30.5743
Cr 267.716	0.2818	0.1110	0.2446
Cu 324.754	-1.6211u	-0.3453u	-0.9243u
Fe 271.441	40332.1	40440.8	40273.5
K 766.491	7651.07	7661.91	7655.36
Mg 279.078	11931.2	11973.9	11925.2
Mn 257.610	542.678	544.085	541.580
Mo 202.032	-0.7569u	-0.6786u	-0.1379u
Na 330.237	14045.5	14025.2	14063.7
Ni 231.604	0.3289	2.9133	1.7160
Pb 220.353	-2.9357u	-2.3059u	0.3892
Sb 206.834	-3.8834u	-2.6944u	0.3663
Se 196.026	-11.1789u	3.8328	-0.5040
Sn 189.925	2.4217	3.2817	4.1420
Sr 216.596	179.347	178.709	178.136
Ti 334.941	-0.0610	-0.2332u	-0.0692
Tl 190.794	1.5593u	1.5185u	0.0708u
V 292.401	-0.4284u	0.2740	-0.1539u
Zn 206.200	4.5112	3.3493	6.0103

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0461	ppb	0.1344	291.4	-83.9635
Al 308.215	12.9847	ppb	1.2519	9.6	183.659
As 188.980	7.3906	ppb	1.0066	13.6	5.9847
B 249.678	106.474	ppb	0.7191	0.7	1207.02
Ba 389.178	129.489	ppb	0.3436	0.3	2691.09
Be 313.042	0.0564	ppb	0.0006	1.1	-38.3207
Ca 370.602	17858	ppb	48.37	0.3	47933
Cd 226.502	-0.7484	ppb	0.1140	15.2	77.0303
Co 228.615	30.3457	ppb	0.2199	0.7	333.805
Cr 267.716	0.2125	ppb	0.0898	42.3	22.6002
Cu 324.754	-0.9636	ppb	0.6388	66.3	53.7515
Fe 271.441	40348.8	ppb	84.8959	0.2	63921.4
K 766.491	7656.11	ppb	5.4605	0.1	323587
Mg 279.078	11943.4	ppb	26.5663	0.2	23886.3
Mn 257.610	542.781	ppb	1.2557	0.2	116282
Mo 202.032	-0.5245	ppb	0.3371	64.3	10.3256
Na 330.237	14044.8	ppb	19.2923	0.1	667.255
Ni 231.604	1.6527	ppb	1.2934	78.3	7.1263
Pb 220.353	-1.6175	ppb	1.7662	109.2	2.2864
Sb 206.834	-2.0705	ppb	2.1925	105.9	-0.0067
Se 196.026	-2.6167	ppb	7.7256	295.2	-1.5961
Sn 189.925	3.2818	ppb	0.8601	26.2	1.0359
Sr 216.596	178.731	ppb	0.6058	0.3	1556.31
Ti 334.941	-0.1211	ppb	0.0971	80.2	-13.5462
Tl 190.794	1.0496	ppb	0.8479	80.8	-4.9596
V 292.401	-0.1028	ppb	0.3540	344.4	5.5675
Zn 206.200	4.6236	ppb	1.3241	28.8	8.9527

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-d-1-aSD^5 (Samp) **3/31/2013, 12:28:57 AM** **Rack 3, Tube 43****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.1750u	0.7491	-0.5671u
Al 308.215	2.2449	0.2227	-0.2737u
As 188.980	-7.2752u	-1.1227u	4.9890
B 249.678	9.2001	9.6402	9.1056
Ba 389.178	25.0887	26.0242	25.6844
Be 313.042	0.0182	0.0175	0.0181
Ca 370.602	3590	3609	3600
Cd 226.502	-0.3273	-0.1656	-0.0651
Co 228.615	5.5320	5.5693	6.3438
Cr 267.716	-0.1485u	-0.2266u	-0.2165u
Cu 324.754	-1.0466u	-1.3223u	-1.1260u
Fe 271.441	8122.22	8151.08	8112.43
K 766.491	1466.59	1474.44	1468.02
Mg 279.078	2416.26	2423.45	2412.67
Mn 257.610	110.788	111.136	110.714
Mo 202.032	-0.8172u	-0.8011u	0.0074u
Na 330.237	2689.95	2845.92	2660.48
Ni 231.604	1.1320	2.1172	-0.6183u
Pb 220.353	-0.3903u	-3.9195u	-0.8612u
Sb 206.834	-1.3091u	-1.6469u	2.9548
Se 196.026	3.2648	2.7033	13.3910
Sn 189.925	2.6575	-3.3934u	-0.2299u
Sr 216.596	36.0836	35.9299	35.1832
Ti 334.941	-0.1895u	-0.1968u	-0.1830u
Tl 190.794	2.5406	5.0610	0.6759
V 292.401	0.0081	-0.9628u	-0.2068u
Zn 206.200	0.2570	2.4718	1.1958

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0023	ppb	0.6758	28958.6	-76.6994
Al 308.215	0.7313	ppb	1.3341	182.4	127.772
As 188.980	-1.1363	ppb	6.1321	539.7	0.6890
B 249.678	9.3153	ppb	0.2853	3.1	325.215
Ba 389.178	25.5991	ppb	0.4735	1.8	518.662
Be 313.042	0.0179	ppb	0.0004	2.2	-112.843
Ca 370.602	3599	ppb	9.380	0.3	9646
Cd 226.502	-0.1860	ppb	0.1323	71.1	26.0226
Co 228.615	5.8150	ppb	0.4583	7.9	75.3599
Cr 267.716	-0.1972	ppb	0.0425	21.5	-1.2729
Cu 324.754	-1.1650	ppb	0.1419	12.2	36.5935
Fe 271.441	8128.58	ppb	20.0967	0.2	12885.1
K 766.491	1469.68	ppb	4.1836	0.3	62298.4
Mg 279.078	2417.46	ppb	5.4893	0.2	4859.24
Mn 257.610	110.879	ppb	0.2250	0.2	23807.4
Mo 202.032	-0.5370	ppb	0.4715	87.8	11.5274
Na 330.237	2732.12	ppb	99.6485	3.6	132.452
Ni 231.604	0.8770	ppb	1.3855	158.0	4.6390
Pb 220.353	-1.7237	ppb	1.9162	111.2	2.0566
Sb 206.834	-0.0004	ppb	2.5649	715594.8	0.9913
Se 196.026	6.4530	ppb	6.0150	93.2	2.3460
Sn 189.925	-0.3219	ppb	3.0265	940.1	-1.4423
Sr 216.596	35.7323	ppb	0.4817	1.3	319.910
Ti 334.941	-0.1898	ppb	0.0069	3.6	-65.4564
Tl 190.794	2.7592	ppb	2.2007	79.8	-1.4297
V 292.401	-0.3872	ppb	0.5100	131.7	-1.5870
Zn 206.200	1.3082	ppb	1.1417	85.0	2.9679

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-d-1-aPDS (Samp) **3/31/2013, 12:34:24 AM** **Rack 3, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	40.7812	41.7266	41.2211
Al 308.215	2041.95	2037.54	2038.39
As 188.980	2221.65	2219.57	2216.12
B 249.678	1118.82	1130.27	1139.69
Ba 389.178	2266.82	2270.05	2275.68
Be 313.042	49.2689	49.3340	49.3662
Ca 370.602	22741	22726	22748
Cd 226.502	54.7597	54.9736	54.6252
Co 228.615	575.577	578.784	576.859
Cr 267.716	214.122	214.463	213.796
Cu 324.754	242.498	241.702	243.902
Fe 271.441	40580.6	40678.5	40723.1
K 766.491	12746.9	12764.8	12792.6
Mg 279.078	17217.6	17219.9	17227.5
Mn 257.610	1069.43	1069.73	1069.45
Mo 202.032	519.092	522.529	526.828
Na 330.237	19065.0	19063.1	18930.7
Ni 231.604	550.733	541.739	542.835
Pb 220.353	560.541	555.833	549.164
Sb 206.834	498.495	502.146	498.128
Se 196.026	2085.92	2092.35	2078.12
Sn 189.925	1099.81	1088.59	1085.70
Sr 216.596	734.229	737.232	736.754
Ti 334.941	1010.24	1012.62	1014.41
Tl 190.794	2243.09	2235.21	2234.32
V 292.401	510.399	510.288	511.775
Zn 206.200	553.063	553.130	556.121

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	41.2429	ppb	0.4731	1.1	2532.93
Al 308.215	2039.29	ppb	2.3410	0.1	9475.71
As 188.980	2219.11	ppb	2.7920	0.1	1435.76
B 249.678	1129.59	ppb	10.4548	0.9	10806.9
Ba 389.178	2270.85	ppb	4.4861	0.2	46212.9
Be 313.042	49.3230	ppb	0.0495	0.1	92618.2
Ca 370.602	22738	ppb	11.54	0.1	61984
Cd 226.502	54.7862	ppb	0.1757	0.3	1942.24
Co 228.615	577.073	ppb	1.6140	0.3	6123.32
Cr 267.716	214.127	ppb	0.3334	0.2	8394.52
Cu 324.754	242.700	ppb	1.1137	0.5	10770.2
Fe 271.441	40660.7	ppb	72.8767	0.2	64497.1
K 766.491	12768.1	ppb	23.0424	0.2	539497
Mg 279.078	17221.7	ppb	5.2056	0.0	34421.1
Mn 257.610	1069.54	ppb	0.1677	0.0	228933
Mo 202.032	522.816	ppb	3.8761	0.7	3029.87
Na 330.237	19019.6	ppb	77.0157	0.4	895.189
Ni 231.604	545.102	ppb	4.9070	0.9	1322.19
Pb 220.353	555.179	ppb	5.7167	1.0	813.238
Sb 206.834	499.590	ppb	2.2212	0.4	370.642
Se 196.026	2085.46	ppb	7.1238	0.3	969.794
Sn 189.925	1091.37	ppb	7.4527	0.7	747.016
Sr 216.596	736.072	ppb	1.6137	0.2	6308.18
Ti 334.941	1012.42	ppb	2.0888	0.2	225411
Tl 190.794	2237.54	ppb	4.8243	0.2	1982.76
V 292.401	510.820	ppb	0.8285	0.2	12750.8
Zn 206.200	554.105	ppb	1.7461	0.3	834.727

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-d-1-b ms (Samp) 3/31/2013, 12:39:52 AM Rack 3, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1215	0.0446u	-0.9243u
Al 308.215	10.1709	15.8393	15.5028
As 188.980	5.4885	14.5885	10.3904
B 249.678	123.612	124.421	121.330
Ba 389.178	128.028	127.184	128.855
Be 313.042	0.0509	0.0504	0.0593
Ca 370.602	17694	17749	17737
Cd 226.502	-0.5972	-0.3874	-0.6057
Co 228.615	30.5938	30.4009	29.2463
Cr 267.716	0.4017	0.0066	0.1588
Cu 324.754	-0.4463u	1.1257	0.0030
Fe 271.441	39996.7	40072.7	39967.0
K 766.491	7638.47	7651.16	7658.35
Mg 279.078	11872.5	11890.6	11880.2
Mn 257.610	538.466	539.175	538.406
Mo 202.032	0.4272	0.9106	1.2546
Na 330.237	13952.8	14064.3	13880.7
Ni 231.604	-0.1576	0.6155	0.8258
Pb 220.353	-3.6917u	-0.0293	-0.8680u
Sb 206.834	-1.9126u	7.5612	-11.3413u
Se 196.026	-0.6750	8.8524	9.0589
Sn 189.925	5.0313	-0.2780u	2.6986
Sr 216.596	175.115	175.817	176.401
Ti 334.941	0.2280	0.1644	0.2528
Tl 190.794	-1.7782u	1.0349u	2.4895u
V 292.401	0.2762	0.1593	0.0716
Zn 206.200	5.4664	4.4258	5.6657

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2527	ppb	0.5829	230.6	-97.0751
Al 308.215	13.8376	ppb	3.1799	23.0	187.667
As 188.980	10.1558	ppb	4.5545	44.8	7.7743
B 249.678	123.121	ppb	1.6034	1.3	1363.54
Ba 389.178	128.022	ppb	0.8353	0.7	2660.74
Be 313.042	0.0535	ppb	0.0050	9.3	-43.9114
Ca 370.602	17727	ppb	29.01	0.2	47584
Cd 226.502	-0.5301	ppb	0.1236	23.3	83.6464
Co 228.615	30.0804	ppb	0.7287	2.4	330.982
Cr 267.716	0.1891	ppb	0.1993	105.4	21.6030
Cu 324.754	0.2275	ppb	0.8097	355.9	106.033
Fe 271.441	40012.1	ppb	54.5082	0.1	63388.0
K 766.491	7649.33	ppb	10.0644	0.1	323301
Mg 279.078	11881.1	ppb	9.1235	0.1	23761.8
Mn 257.610	538.682	ppb	0.4275	0.1	115404
Mo 202.032	0.8642	ppb	0.4156	48.1	18.3524
Na 330.237	13965.9	ppb	92.4837	0.7	663.550
Ni 231.604	0.4279	ppb	0.5179	121.0	4.1562
Pb 220.353	-1.5297	ppb	1.9188	125.4	2.4123
Sb 206.834	-1.8976	ppb	9.4513	498.1	0.1050
Se 196.026	5.7454	ppb	5.5612	96.8	2.2908
Sn 189.925	2.4840	ppb	2.6611	107.1	0.4888
Sr 216.596	175.778	ppb	0.6438	0.4	1530.88
Ti 334.941	0.2150	ppb	0.0456	21.2	61.0330
Tl 190.794	0.5820	ppb	2.1696	372.8	-5.3558
V 292.401	0.1690	ppb	0.1027	60.7	12.1952
Zn 206.200	5.1860	ppb	0.6658	12.8	9.7985

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-d-1-c msd (Samp) **3/31/2013, 12:45:19 AM** **Rack 3, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3723u	0.2034	0.4219
Al 308.215	11.6505	12.9775	13.5812
As 188.980	9.9822	11.4970	15.5023
B 249.678	104.180	104.745	103.988
Ba 389.178	122.093	121.201	120.828
Be 313.042	0.0210	0.0324	0.0283
Ca 370.602	16945	16889	16893
Cd 226.502	-0.6066	-0.4727	-0.7385
Co 228.615	28.6313	28.6809	28.3092
Cr 267.716	-0.2372	-0.1495	-0.3050u
Cu 324.754	-0.3238u	-1.3195u	-1.0667u
Fe 271.441	38327.5	38212.2	38172.3
K 766.491	7169.21	7152.17	7160.71
Mg 279.078	11408.5	11383.1	11376.5
Mn 257.610	517.050	515.953	515.297
Mo 202.032	0.5955	-0.3928u	-0.0365u
Na 330.237	13734.3	13560.0	13490.1
Ni 231.604	0.2497	1.0405	1.6134
Pb 220.353	-1.4169u	-2.4466u	-4.9581u
Sb 206.834	3.2205	3.5578	-7.2569u
Se 196.026	9.6359	8.1398	9.8097
Sn 189.925	-2.0660u	1.9763	3.7749
Sr 216.596	170.291	170.190	168.061
Ti 334.941	-0.0186	0.0502	0.0449
Tl 190.794	-2.6599u	-0.4358u	2.1940u
V 292.401	0.0885	-0.2789u	-0.5738u
Zn 206.200	5.0751	5.3304	3.7466

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0843	ppb	0.4103	486.5	-75.3277
Al 308.215	12.7364	ppb	0.9877	7.8	182.549
As 188.980	12.3272	ppb	2.8521	23.1	9.1897
B 249.678	104.304	ppb	0.3933	0.4	1188.60
Ba 389.178	121.374	ppb	0.6500	0.5	2522.36
Be 313.042	0.0272	ppb	0.0058	21.2	-93.4589
Ca 370.602	16909	ppb	30.97	0.2	45381
Cd 226.502	-0.6059	ppb	0.1329	21.9	77.2970
Co 228.615	28.5405	ppb	0.2018	0.7	314.773
Cr 267.716	-0.2306	ppb	0.0779	33.8	4.7640
Cu 324.754	-0.9033	ppb	0.5175	57.3	55.8675
Fe 271.441	38237.4	ppb	80.5736	0.2	60576.9
K 766.491	7160.69	ppb	8.5239	0.1	302663
Mg 279.078	11389.3	ppb	16.8740	0.1	22779.6
Mn 257.610	516.100	ppb	0.8856	0.2	110569
Mo 202.032	0.0554	ppb	0.5005	903.6	13.7547
Na 330.237	13594.8	ppb	125.760	0.9	646.197
Ni 231.604	0.9679	ppb	0.6848	70.8	5.4297
Pb 220.353	-2.9405	ppb	1.8215	61.9	0.3518
Sb 206.834	-0.1596	ppb	6.1488	3853.8	1.3793
Se 196.026	9.1952	ppb	0.9180	10.0	3.8806
Sn 189.925	1.2284	ppb	2.9914	243.5	-0.3723
Sr 216.596	169.514	ppb	1.2592	0.7	1476.61
Ti 334.941	0.0255	ppb	0.0383	150.1	16.9035
Tl 190.794	-0.3005	ppb	2.4298	808.5	-6.0320
V 292.401	-0.2547	ppb	0.3318	130.3	1.7243
Zn 206.200	4.7174	ppb	0.8593	18.0	9.0944

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-c-1-a (Samp) **3/31/2013, 12:50:46 AM** **Rack 3, Tube 47****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.9402u	-1.6090u	-0.6705u
Al 308.215	9.5074	6.4553	3.7653
As 188.980	8.7325	12.2484	11.2105
B 249.678	100.179	100.164	101.768
Ba 389.178	124.052	125.002	124.535
Be 313.042	0.0380	0.0300	0.0376
Ca 370.602	16791	16820	16848
Cd 226.502	-0.7679	-0.7874	-0.7297
Co 228.615	30.3099	29.4370	30.2687
Cr 267.716	0.0292	0.0803	-0.1063
Cu 324.754	-1.8903u	-0.1048	-0.0917
Fe 271.441	38534.6	38563.7	38644.6
K 766.491	7211.17	7204.73	7219.12
Mg 279.078	11383.0	11385.0	11411.3
Mn 257.610	511.646	512.011	512.430
Mo 202.032	-0.8367u	-0.2345u	-1.5112u
Na 330.237	13533.0	13607.5	13400.2
Ni 231.604	1.4802	3.6764	3.8691
Pb 220.353	-1.1485u	-0.3897u	-1.0077u
Sb 206.834	-0.6692	-4.2466u	-3.4076u
Se 196.026	1.1914	7.8125	12.9790
Sn 189.925	-1.8926u	-0.0958u	-1.3646u
Sr 216.596	167.271	167.338	167.913
Ti 334.941	-0.2719u	-0.2148u	-0.2619u
Tl 190.794	4.6299	1.4886u	0.4364u
V 292.401	-0.3207u	0.3572	0.2107
Zn 206.200	8.1016	6.5029	6.7329

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0732	ppb	0.4832	45.0	-149.138
Al 308.215	6.5760	ppb	2.8729	43.7	154.415
As 188.980	10.7305	ppb	1.8064	16.8	8.1532
B 249.678	100.704	ppb	0.9219	0.9	1154.50
Ba 389.178	124.530	ppb	0.4750	0.4	2586.90
Be 313.042	0.0352	ppb	0.0045	12.8	-78.4759
Ca 370.602	16820	ppb	28.90	0.2	45103
Cd 226.502	-0.7617	ppb	0.0293	3.8	72.8038
Co 228.615	30.0052	ppb	0.4925	1.6	330.257
Cr 267.716	0.0011	ppb	0.0964	8898.8	13.8774
Cu 324.754	-0.6956	ppb	1.0346	148.7	65.0753
Fe 271.441	38581.0	ppb	56.9937	0.1	61121.2
K 766.491	7211.68	ppb	7.2053	0.1	304816
Mg 279.078	11393.1	ppb	15.7891	0.1	22787.2
Mn 257.610	512.029	ppb	0.3919	0.1	109700
Mo 202.032	-0.8608	ppb	0.6387	74.2	8.4532
Na 330.237	13513.6	ppb	104.992	0.8	642.187
Ni 231.604	3.0086	ppb	1.3271	44.1	10.3743
Pb 220.353	-0.8486	ppb	0.4036	47.6	3.4026
Sb 206.834	-2.7744	ppb	1.8709	67.4	-0.5610
Se 196.026	7.3277	ppb	5.9087	80.6	3.0129
Sn 189.925	-1.1176	ppb	0.9235	82.6	-1.9808
Sr 216.596	167.508	ppb	0.3527	0.2	1459.51
Ti 334.941	-0.2495	ppb	0.0305	12.2	-44.2747
Tl 190.794	2.1850	ppb	2.1818	99.9	-3.8320
V 292.401	0.0824	ppb	0.3567	432.7	10.2330
Zn 206.200	7.1125	ppb	0.8643	12.3	12.6961

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-c-2-a (Samp) 3/31/2013, 12:56:13 AM Rack 3, Tube 48

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3301u	-0.1970u	0.1289u
Al 308.215	19.5975	19.2689	18.8670
As 188.980	38.6331	33.3155	35.2552
B 249.678	353.567	355.591	357.673
Ba 389.178	81.0531	81.8305	80.4367
Be 313.042	0.0033	0.0046	0.0015
Ca 370.602	29712	29699	29721
Cd 226.502	-1.1931	-1.3245	-1.3598
Co 228.615	6.9278	7.4744	6.9774
Cr 267.716	0.6106	0.2855	0.2549
Cu 324.754	-0.4713	-0.1479	-0.2171
Fe 271.441	81439.9	81452.4	81488.6
K 766.491	15459.0	15483.0	15493.6
Mg 279.078	23025.6	23049.9	23036.1
Mn 257.610	669.271	667.997	668.313
Mo 202.032	-0.6132u	-0.3660u	-0.6715u
Na 330.237	48026.2	48020.4	47744.7
Ni 231.604	10.3291	13.4402	13.2734
Pb 220.353	-4.7219u	-1.6734u	-2.5350u
Sb 206.834	-0.8493	-2.6683u	0.6385
Se 196.026	4.9069	5.3045	6.6997
Sn 189.925	1.9431	2.1302	1.2881
Sr 216.596	371.427	372.102	372.131
Ti 334.941	-0.1015	-0.2308	-0.1591
Tl 190.794	2.2672u	-0.1641u	-2.0341u
V 292.401	0.5276	1.0264	0.6240
Zn 206.200	1.6520	1.3500	2.7471

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1328	ppb	0.2361	177.9	-96.8952
Al 308.215	19.2445	ppb	0.3659	1.9	212.156
As 188.980	35.7346	ppb	2.6910	7.5	23.9775
B 249.678	355.610	ppb	2.0530	0.6	3506.65
Ba 389.178	81.1068	ppb	0.6984	0.9	1784.39
Be 313.042	0.0031	ppb	0.0016	50.2	-140.201
Ca 370.602	29710	ppb	11.10	0.0	78721
Cd 226.502	-1.2925	ppb	0.0879	6.8	147.847
Co 228.615	7.1265	ppb	0.3023	4.2	86.9859
Cr 267.716	0.3837	ppb	0.1971	51.4	38.0872
Cu 324.754	-0.2788	ppb	0.1703	61.1	94.4331
Fe 271.441	81460.3	ppb	25.3146	0.0	129034
K 766.491	15478.5	ppb	17.7444	0.1	653973
Mg 279.078	23037.2	ppb	12.2028	0.1	46051.2
Mn 257.610	668.527	ppb	0.6636	0.1	143330
Mo 202.032	-0.5502	ppb	0.1622	29.5	8.5507
Na 330.237	47930.4	ppb	160.836	0.3	2284.64
Ni 231.604	12.3476	ppb	1.7500	14.2	33.7849
Pb 220.353	-2.9768	ppb	1.5716	52.8	0.3351
Sb 206.834	-0.9597	ppb	1.6562	172.6	1.5182
Se 196.026	5.6370	ppb	0.9415	16.7	2.4971
Sn 189.925	1.7871	ppb	0.4422	24.7	0.0245
Sr 216.596	371.886	ppb	0.3982	0.1	3224.92
Ti 334.941	-0.1638	ppb	0.0648	39.5	18.6031
Tl 190.794	0.0230	ppb	2.1567	9379.2	-7.9076
V 292.401	0.7260	ppb	0.2646	36.4	26.3219
Zn 206.200	1.9164	ppb	0.7351	38.4	4.8799

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/31/2013, 1:01:40 AM Rack 3, Tube 49

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	491.732	492.645	493.694
Al 308.215	5144.30	5154.11	5161.82
As 188.980	498.979	493.747	511.915
B 249.678	554.460	559.575	565.162
Ba 389.178	4868.97	4870.72	4876.96
Be 313.042	463.129	464.366	464.202
Ca 370.602	5235	5230	5237
Cd 226.502	510.288	511.236	511.293
Co 228.615	503.995	504.473	505.745
Cr 267.716	4956.21	4968.50	4964.91
Cu 324.754	4437.43	4441.20	4574.90
Fe 271.441	5239.37	5254.96	5244.43
K 766.491	10306.4	10309.0	10339.9
Mg 279.078	5318.81	5335.28	5323.62
Mn 257.610	4851.85	4861.59	4859.72
Mo 202.032	506.117	505.262	506.564
Na 330.237	7694.22	7622.25	7991.33
Ni 231.604	2558.14	2562.56	2564.51
Pb 220.353	539.830	536.101	541.502
Sb 206.834	968.361	980.386	983.683
Se 196.026	5119.11	5136.73	5159.99
Sn 189.925	5378.89	5336.93	5285.23
Sr 216.596	2648.13	2650.49	2645.11
Ti 334.941	500.672	502.173	501.811
Tl 190.794	5337.86	5360.86	5343.91
V 292.401	4968.96	4970.62	4980.31
Zn 206.200	2576.71	2581.12	2574.79

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	492.691	ppb	0.9818	0.2	31294.3	98.53813
Al 308.215	5153.41	ppb	8.7776	0.2	23616.4	103.06822
As 188.980	501.547	ppb	9.3523	1.9	325.575	100.30946
B 249.678	559.732	ppb	5.3525	1.0	5492.59	22.38930Q
Ba 389.178	4872.22	ppb	4.2011	0.1	99002.1	97.44434
Be 313.042	463.899	ppb	0.6718	0.1	873012	92.77986
Ca 370.602	5234	ppb	3.659	0.1	14748	104.68106
Cd 226.502	510.939	ppb	0.5645	0.1	17178.5	102.18779
Co 228.615	504.738	ppb	0.9048	0.2	5359.26	100.94750
Cr 267.716	4963.21	ppb	6.3224	0.1	194244	99.26410
Cu 324.754	4484.51	ppb	78.3058	1.7	197129	89.69019Q
Fe 271.441	5246.25	ppb	7.9515	0.2	8433.43	104.92507
K 766.491	10318.4	ppb	18.6197	0.2	436033	103.18436
Mg 279.078	5325.90	ppb	8.4710	0.2	10594.7	106.51806
Mn 257.610	4857.72	ppb	5.1704	0.1	1038704	97.15437
Mo 202.032	505.981	ppb	0.6618	0.1	2927.39	101.19615
Na 330.237	7769.27	ppb	195.652	2.5	353.797	103.59026
Ni 231.604	2561.74	ppb	3.2659	0.1	6201.46	102.46951
Pb 220.353	539.144	ppb	2.7652	0.5	790.795	107.82888
Sb 206.834	977.477	ppb	8.0648	0.8	764.425	97.74767
Se 196.026	5138.61	ppb	20.5071	0.4	2390.65	102.77217
Sn 189.925	5333.68	ppb	46.9147	0.9	3655.48	106.67368
Sr 216.596	2647.91	ppb	2.6955	0.1	22644.8	105.91643
Ti 334.941	501.552	ppb	0.7837	0.2	111639	100.31041
Tl 190.794	5347.54	ppb	11.9241	0.2	4746.05	106.95082
V 292.401	4973.30	ppb	6.1338	0.1	124608	99.46595
Zn 206.200	2577.54	ppb	3.2463	0.1	2863.88	103.10166

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/31/2013, 1:07:07 AM Rack 3, Tube 50

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	1.0529	-0.4456u	0.2741
Al 308.215	-0.4806u	-8.0400u	2.8183
As 188.980	-3.1379u	-4.7962u	-3.9053u
B 249.678	-1.7800u	-2.5654u	-3.6363u
Ba 389.178	0.4015	-0.5088u	0.3185
Be 313.042	0.0096	0.0074	0.0045
Ca 370.602	3.145	6.662	-4.417u
Cd 226.502	-0.1799u	-0.0773u	-0.1868u
Co 228.615	-1.0032u	-0.2993u	-0.9775u
Cr 267.716	-0.4834u	-0.0722u	-0.2995u
Cu 324.754	-0.0599u	-1.1298u	-0.5255u
Fe 271.441	-11.0773u	-4.8172u	-4.0724u
K 766.491	-1.4825u	-1.0446u	-0.9031u
Mg 279.078	-0.9451u	-3.1506u	0.2892
Mn 257.610	-0.0830u	-0.1022u	-0.0929u
Mo 202.032	0.6652	-0.1770u	-0.4137u
Na 330.237	-266.094u	-9.0937u	132.476
Ni 231.604	-0.7423u	0.6196	0.4973
Pb 220.353	-1.3093u	-0.4953u	-0.7154u
Sb 206.834	3.3520	-0.3976u	9.7843
Se 196.026	5.2319	1.6879	10.1011
Sn 189.925	3.7496	1.3753	5.9484
Sr 216.596	-0.3884u	0.0168	-0.2345u
Ti 334.941	-0.0789u	-0.0929u	-0.0600u
Tl 190.794	-0.5011u	7.2933	4.4780
V 292.401	0.0095	-0.1169u	-0.6899u
Zn 206.200	-0.1984u	-0.2614u	0.6349

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2938	ppb	0.7494	255.1	-57.0919	0.29381
Al 308.215	-1.9008	ppb	5.5667	292.9	115.794	-1.90079
As 188.980	-3.9465	ppb	0.8299	21.0	-1.0731	-3.94645
B 249.678	-2.6606	ppb	0.9318	35.0	220.382	-2.66056
Ba 389.178	0.0704	ppb	0.5034	714.9	-15.6124	0.07041
Be 313.042	0.0072	ppb	0.0025	35.5	-133.640	0.00717
Ca 370.602	1.797	ppb	5.661	315.1	-14.68	1.79676
Cd 226.502	-0.1480	ppb	0.0613	41.4	9.6485	-0.14801
Co 228.615	-0.7600	ppb	0.3992	52.5	6.0643	-0.76000
Cr 267.716	-0.2850	ppb	0.2059	72.3	-6.6978	-0.28504
Cu 324.754	-0.5717	ppb	0.5365	93.8	60.5707	-0.57175
Fe 271.441	-6.6556	ppb	3.8473	57.8	-1.0406	-6.65564
K 766.491	-1.1434	ppb	0.3021	26.4	176.832	-1.14342
Mg 279.078	-1.2688	ppb	1.7426	137.3	28.1150	-1.26884
Mn 257.610	-0.0927	ppb	0.0096	10.4	47.7631	-0.09269
Mo 202.032	0.0248	ppb	0.5671	2283.6	15.0911	0.02483
Na 330.237	-47.5703	ppb	202.051	424.7	1.1078	-47.57030
Ni 231.604	0.1249	ppb	0.7535	603.4	2.6649	0.12488
Pb 220.353	-0.8400	ppb	0.4210	50.1	3.3259	-0.84001
Sb 206.834	4.2462	ppb	5.1495	121.3	4.0183	4.24622
Se 196.026	5.6736	ppb	4.2239	74.4	1.9132	5.67364
Sn 189.925	3.6911	ppb	2.2871	62.0	1.3070	3.69110
Sr 216.596	-0.2020	ppb	0.2046	101.3	9.2004	-0.20202
Ti 334.941	-0.0773	ppb	0.0165	21.4	-49.7133	-0.07729
Tl 190.794	3.7567	ppb	3.9469	105.1	-0.0329	3.75674
V 292.401	-0.2658	ppb	0.3727	140.2	1.4063	-0.26578
Zn 206.200	0.0584	ppb	0.5993	856.8	2.0882	0.05839

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-d-2-a (Samp) 3/31/2013, 1:12:34 AM Rack 3, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.1584u	-0.6158u	-0.4300u
Al 308.215	7.4086	5.7105	9.3197
As 188.980	46.3916	46.4607	49.7543
B 249.678	364.791	368.270	371.679
Ba 389.178	80.8370	80.7778	80.5096
Be 313.042	0.0154	0.0168	0.0126
Ca 370.602	30085	30165	30108
Cd 226.502	-1.2283	-1.3125	-1.0822
Co 228.615	5.7109	5.9680	6.4646
Cr 267.716	0.6626	0.7606	0.3574
Cu 324.754	0.4569	-0.3800	-0.4189
Fe 271.441	83071.9	83082.9	83182.7
K 766.491	15787.9	15776.8	15817.2
Mg 279.078	23586.0	23619.1	23673.3
Mn 257.610	676.741	677.215	677.380
Mo 202.032	-0.5855u	-0.2953u	-0.8204u
Na 330.237	48948.0	49299.0	49216.1
Ni 231.604	12.9828	10.3275	11.4743
Pb 220.353	-0.0574	-5.1059u	-1.3030u
Sb 206.834	-0.5746	3.5789	-5.4881u
Se 196.026	6.9541	6.6989	-0.0433
Sn 189.925	1.2986	5.1666	5.1948
Sr 216.596	375.426	375.005	374.646
Ti 334.941	-0.3667	-0.4188u	-0.5091u
Tl 190.794	1.6776u	-4.5196u	0.8696u
V 292.401	0.6519	0.7148	1.6660
Zn 206.200	3.2956	0.9275	2.9653

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2958	ppb	0.4041	136.6	-107.480
Al 308.215	7.4796	ppb	1.8056	24.1	158.472
As 188.980	47.5355	ppb	1.9218	4.0	31.5939
B 249.678	368.247	ppb	3.4442	0.9	3623.70
Ba 389.178	80.7082	ppb	0.1745	0.2	1779.66
Be 313.042	0.0149	ppb	0.0021	14.2	-117.956
Ca 370.602	30119	ppb	41.44	0.1	79768
Cd 226.502	-1.2077	ppb	0.1166	9.7	154.237
Co 228.615	6.0478	ppb	0.3831	6.3	75.5277
Cr 267.716	0.5936	ppb	0.2103	35.4	46.6574
Cu 324.754	-0.1140	ppb	0.4948	434.1	102.091
Fe 271.441	83112.5	ppb	61.0549	0.1	131650
K 766.491	15794.0	ppb	20.8628	0.1	667297
Mg 279.078	23626.1	ppb	44.0489	0.2	47227.8
Mn 257.610	677.112	ppb	0.3320	0.0	145173
Mo 202.032	-0.5671	ppb	0.2631	46.4	8.3883
Na 330.237	49154.3	ppb	183.460	0.4	2343.02
Ni 231.604	11.5949	ppb	1.3318	11.5	31.9945
Pb 220.353	-2.1554	ppb	2.6300	122.0	1.5354
Sb 206.834	-0.8279	ppb	4.5388	548.2	1.6467
Se 196.026	4.5366	ppb	3.9683	87.5	1.9962
Sn 189.925	3.8867	ppb	2.2414	57.7	1.4644
Sr 216.596	375.025	ppb	0.3905	0.1	3252.37
Ti 334.941	-0.4316	ppb	0.0721	16.7	-38.8124
Tl 190.794	-0.6575	ppb	3.3690	512.4	-8.5979
V 292.401	1.0109	ppb	0.5682	56.2	33.4852
Zn 206.200	2.3961	ppb	1.2826	53.5	5.6007

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-d-3-a (Samp) 3/31/2013, 1:18:01 AM Rack 3, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.0323u	-0.1308u	-0.5146u
Al 308.215	106.833	100.518	102.374
As 188.980	17.8612	6.4195	13.5798
B 249.678	55.9131	56.6745	56.1797
Ba 389.178	62.1990	63.4536	60.2744
Be 313.042	-0.0128	-0.0057	-0.0164
Ca 370.602	108967	109124	109160
Cd 226.502	-0.5029	-0.3559	-0.5490
Co 228.615	12.3220	12.1960	12.3713
Cr 267.716	0.2546	0.0554	0.4192
Cu 324.754	-0.6750u	-1.5781u	-0.0760
Fe 271.441	23756.6	23744.2	23754.0
K 766.491	3668.67	3676.47	3680.76
Mg 279.078	6945.85	6946.65	6951.14
Mn 257.610	1054.09	1055.00	1054.00
Mo 202.032	-0.4228u	0.9794	0.4778
Na 330.237	32859.9	33105.4	33082.0
Ni 231.604	6.2858	3.9945	4.6520
Pb 220.353	-5.6690u	0.0241	-3.4931u
Sb 206.834	-5.7504u	-1.6012u	-4.4211u
Se 196.026	-5.5103u	4.5124	5.9855
Sn 189.925	2.7131	3.8194	0.1655
Sr 216.596	622.106	621.046	619.822
Ti 334.941	1.4991	1.5053	1.5817
Tl 190.794	3.2605	2.7237u	3.6847
V 292.401	-1.3636u	-1.3376u	-1.0846u
Zn 206.200	2.0580	2.5352	4.1026

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2044	ppb	0.2807	137.4	-109.493
Al 308.215	103.242	ppb	3.2454	3.1	595.438
As 188.980	12.6202	ppb	5.7809	45.8	10.3219
B 249.678	56.2558	ppb	0.3863	0.7	751.192
Ba 389.178	61.9757	ppb	1.6013	2.6	1287.42
Be 313.042	-0.0116	ppb	0.0054	46.4	-137.405
Ca 370.602	109083	ppb	102.6	0.1	308908
Cd 226.502	-0.4693	ppb	0.1008	21.5	50.2735
Co 228.615	12.2964	ppb	0.0904	0.7	143.455
Cr 267.716	0.2431	ppb	0.1822	74.9	22.7274
Cu 324.754	-0.7764	ppb	0.7562	97.4	57.7164
Fe 271.441	23751.6	ppb	6.5492	0.0	37630.9
K 766.491	3675.30	ppb	6.1314	0.2	155454
Mg 279.078	6947.88	ppb	2.8496	0.0	13897.1
Mn 257.610	1054.36	ppb	0.5530	0.1	225592
Mo 202.032	0.3448	ppb	0.7105	206.1	16.0001
Na 330.237	33015.8	ppb	135.487	0.4	1583.74
Ni 231.604	4.9774	ppb	1.1798	23.7	14.8573
Pb 220.353	-3.0460	ppb	2.8728	94.3	0.3025
Sb 206.834	-3.9242	ppb	2.1188	54.0	-1.6717
Se 196.026	1.6625	ppb	6.2554	376.3	0.4229
Sn 189.925	2.2327	ppb	1.8737	83.9	0.3532
Sr 216.596	620.991	ppb	1.1428	0.2	5346.38
Ti 334.941	1.5287	ppb	0.0460	3.0	332.958
Tl 190.794	3.2230	ppb	0.4816	14.9	-2.9537
V 292.401	-1.2619	ppb	0.1541	12.2	-23.8019
Zn 206.200	2.8986	ppb	1.0697	26.8	6.3583

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-c-3-a (Samp) 3/31/2013, 1:23:28 AM Rack 3, Tube 53

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0727u	-0.0231u	-0.5704u
Al 308.215	9.6910	15.9380	16.3066
As 188.980	7.5713	17.9391	12.3392
B 249.678	52.0260	52.3365	51.0775
Ba 389.178	62.3749	63.6487	62.3435
Be 313.042	-0.0201u	-0.0282u	-0.0459u
Ca 370.602	110925	110806	110987
Cd 226.502	-0.4410	-0.4735	-0.3325
Co 228.615	13.3021	12.8840	12.3819
Cr 267.716	-0.3546u	0.0735	-0.3146u
Cu 324.754	1.3171	0.4282	1.8125
Fe 271.441	24309.3	24268.3	24270.9
K 766.491	3798.02	3801.02	3803.79
Mg 279.078	7189.67	7190.77	7201.52
Mn 257.610	1107.51	1107.24	1108.34
Mo 202.032	-0.2503u	0.7866	-0.3403u
Na 330.237	33562.4	33488.9	33728.4
Ni 231.604	2.4828	3.2567	6.7076
Pb 220.353	-2.5215u	-3.5201u	0.2728
Sb 206.834	-4.7154u	-6.1438u	-4.9017u
Se 196.026	17.2264	4.3963	-1.7973u
Sn 189.925	-2.3794u	1.7214	4.3869
Sr 216.596	629.333	630.708	632.757
Ti 334.941	0.0826	-0.0502	0.1162
Tl 190.794	3.8901	4.0444	1.3143u
V 292.401	-1.8248u	-1.8414u	-1.3000u
Zn 206.200	5.1748	3.7605	6.2409

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2221	ppb	0.3027	136.3	-110.878
Al 308.215	13.9786	ppb	3.7177	26.6	188.287
As 188.980	12.6165	ppb	5.1895	41.1	10.3308
B 249.678	51.8133	ppb	0.6559	1.3	709.011
Ba 389.178	62.7890	ppb	0.7447	1.2	1305.16
Be 313.042	-0.0314	ppb	0.0132	42.0	-174.102
Ca 370.602	110906	ppb	91.91	0.1	314060
Cd 226.502	-0.4157	ppb	0.0738	17.8	53.2310
Co 228.615	12.8560	ppb	0.4608	3.6	149.309
Cr 267.716	-0.1986	ppb	0.2365	119.1	5.7412
Cu 324.754	1.1860	ppb	0.7014	59.1	144.100
Fe 271.441	24282.8	ppb	22.9850	0.1	38472.4
K 766.491	3800.94	ppb	2.8888	0.1	160761
Mg 279.078	7193.99	ppb	6.5482	0.1	14388.0
Mn 257.610	1107.69	ppb	0.5744	0.1	236997
Mo 202.032	0.0653	ppb	0.6262	958.5	14.3667
Na 330.237	33593.3	ppb	122.702	0.4	1611.34
Ni 231.604	4.1490	ppb	2.2493	54.2	12.8628
Pb 220.353	-1.9229	ppb	1.9660	102.2	1.9523
Sb 206.834	-5.2536	ppb	0.7765	14.8	-2.6599
Se 196.026	6.6085	ppb	9.7029	146.8	2.7389
Sn 189.925	1.2430	ppb	3.4085	274.2	-0.3245
Sr 216.596	630.932	ppb	1.7230	0.3	5431.85
Ti 334.941	0.0495	ppb	0.0880	177.6	4.5524
Tl 190.794	3.0829	ppb	1.5336	49.7	-3.1721
V 292.401	-1.6554	ppb	0.3079	18.6	-33.7457
Zn 206.200	5.0587	ppb	1.2442	24.6	9.6082

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-c-4-a (Samp) **3/31/2013, 1:29:06 AM** **Rack 3, Tube 54****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0062u	-1.0388u	-0.5855u
Al 308.215	11.4003	15.3023	7.4429
As 188.980	28.4311	21.2061	24.4070
B 249.678	123.369	125.015	125.493
Ba 389.178	57.0371	57.2381	57.0137
Be 313.042	-0.0132u	-0.0159u	-0.0189u
Ca 370.602	51471	51486	51506
Cd 226.502	-0.7077	-1.0583	-0.8720
Co 228.615	0.4254	0.5060	-0.4786u
Cr 267.716	0.9472	0.6902	0.4182
Cu 324.754	-0.7541u	-0.1809	0.5104
Fe 271.441	63432.8	63375.0	63382.2
K 766.491	5595.98	5598.54	5607.56
Mg 279.078	7262.52	7264.08	7269.84
Mn 257.610	155.988	155.697	155.489
Mo 202.032	-1.5052u	-0.8665u	-1.1827u
Na 330.237	10488.4	10625.1	11027.9
Ni 231.604	-2.1962u	0.5933	-0.2634
Pb 220.353	-2.9129u	-2.5109u	-1.1526u
Sb 206.834	-4.2720u	4.1633	-0.3034
Se 196.026	-0.6326	0.5590	2.6626
Sn 189.925	5.0314	-0.2273u	-3.9323u
Sr 216.596	215.022	214.914	214.665
Ti 334.941	-0.1786u	-0.1806u	-0.2118u
Tl 190.794	-0.6698u	-0.7681u	1.0597u
V 292.401	-0.4413u	-0.1024u	0.2052
Zn 206.200	2.9504	4.8102	3.2596

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5435	ppb	0.5176	95.2	-118.729
Al 308.215	11.3818	ppb	3.9297	34.5	176.268
As 188.980	24.6814	ppb	3.6203	14.7	17.2092
B 249.678	124.626	ppb	1.1145	0.9	1355.94
Ba 389.178	57.0963	ppb	0.1233	0.2	1237.93
Be 313.042	-0.0160	ppb	0.0029	17.9	-162.755
Ca 370.602	51488	ppb	17.24	0.0	142020
Cd 226.502	-0.8793	ppb	0.1754	19.9	122.641
Co 228.615	0.1509	ppb	0.5467	362.2	13.7715
Cr 267.716	0.6852	ppb	0.2645	38.6	44.0932
Cu 324.754	-0.1415	ppb	0.6332	447.4	95.8131
Fe 271.441	63396.7	ppb	31.4945	0.0	100422
K 766.491	5600.69	ppb	6.0826	0.1	236775
Mg 279.078	7265.48	ppb	3.8555	0.1	14551.9
Mn 257.610	155.725	ppb	0.2508	0.2	33561.1
Mo 202.032	-1.1848	ppb	0.3193	27.0	5.6024
Na 330.237	10713.8	ppb	280.458	2.6	500.742
Ni 231.604	-0.6221	ppb	1.4289	229.7	2.0589
Pb 220.353	-2.1921	ppb	0.9224	42.1	1.3845
Sb 206.834	-0.1374	ppb	4.2201	3072.1	1.8333
Se 196.026	0.8630	ppb	1.6685	193.3	0.0584
Sn 189.925	0.2906	ppb	4.5042	1549.9	-1.0049
Sr 216.596	214.867	ppb	0.1830	0.1	1876.00
Ti 334.941	-0.1903	ppb	0.0186	9.8	-43.5930
Tl 190.794	-0.1260	ppb	1.0281	815.6	-6.5577
V 292.401	-0.1128	ppb	0.3234	286.7	5.3802
Zn 206.200	3.6734	ppb	0.9966	27.1	7.5216

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-c-5-a (Samp) **3/31/2013, 1:34:34 AM** **Rack 3, Tube 55****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2572u	-0.1697u	0.3257
Al 308.215	2.6611	5.4101	2.7148
As 188.980	27.7790	26.5563	28.5393
B 249.678	117.511	116.845	118.660
Ba 389.178	50.8411	50.3004	51.5101
Be 313.042	0.0065	-0.0081u	-0.0130u
Ca 370.602	26617	26572	26632
Cd 226.502	-0.6187	-1.3358	-0.7071
Co 228.615	0.5997	-0.0968u	0.6493
Cr 267.716	-0.3846	-0.1763	-0.1780
Cu 324.754	0.6220	-0.1323	0.3773
Fe 271.441	71549.5	71478.2	71646.6
K 766.491	6441.77	6438.52	6458.46
Mg 279.078	8021.77	8019.70	8025.46
Mn 257.610	343.276	342.771	343.490
Mo 202.032	1.5001	1.2200	1.4613
Na 330.237	20983.5	20924.9	20980.4
Ni 231.604	-0.9906u	-1.3460u	1.4762
Pb 220.353	-2.1530u	-1.3211u	-3.2746u
Sb 206.834	-3.6724u	2.1255	1.6844
Se 196.026	1.2859	4.4008	8.1118
Sn 189.925	-0.9705u	-0.0885u	-0.4564u
Sr 216.596	145.979	145.901	146.466
Ti 334.941	-0.3329u	-0.1497	-0.2750u
Tl 190.794	-1.2443u	4.1612	-0.9035u
V 292.401	-0.1799u	-0.3252u	0.0107u
Zn 206.200	5.2800	4.9086	3.8164

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0337	ppb	0.3143	931.6	-82.8181
Al 308.215	3.5953	ppb	1.5718	43.7	141.027
As 188.980	27.6249	ppb	1.0004	3.6	18.8124
B 249.678	117.672	ppb	0.9181	0.8	1283.14
Ba 389.178	50.8839	ppb	0.6060	1.2	1123.50
Be 313.042	-0.0048	ppb	0.0102	209.3	-152.031
Ca 370.602	26607	ppb	31.32	0.1	70590
Cd 226.502	-0.8872	ppb	0.3910	44.1	139.981
Co 228.615	0.3841	ppb	0.4172	108.6	15.9005
Cr 267.716	-0.2463	ppb	0.1198	48.6	10.0011
Cu 324.754	0.2890	ppb	0.3848	133.2	116.896
Fe 271.441	71558.1	ppb	84.5109	0.1	113349
K 766.491	6446.25	ppb	10.6947	0.2	272488
Mg 279.078	8022.31	ppb	2.9174	0.0	16062.2
Mn 257.610	343.179	ppb	0.3691	0.1	73663.5
Mo 202.032	1.3938	ppb	0.1518	10.9	20.1625
Na 330.237	20962.9	ppb	32.9732	0.2	991.122
Ni 231.604	-0.2868	ppb	1.5371	536.0	3.0245
Pb 220.353	-2.2496	ppb	0.9803	43.6	1.3333
Sb 206.834	0.0459	ppb	3.2276	7039.4	2.0729
Se 196.026	4.5995	ppb	3.4173	74.3	1.8846
Sn 189.925	-0.5051	ppb	0.4431	87.7	-1.5559
Sr 216.596	146.115	ppb	0.3062	0.2	1287.68
Ti 334.941	-0.2526	ppb	0.0936	37.1	-54.6335
Tl 190.794	0.6712	ppb	3.0273	451.1	-6.4630
V 292.401	-0.1648	ppb	0.1685	102.2	3.5821
Zn 206.200	4.6683	ppb	0.7698	16.3	9.0205

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-d-5-a (Samp) 3/31/2013, 1:40:01 AM Rack 3, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.2103	0.1186	0.8725
Al 308.215	59.0457	57.7146	53.9667
As 188.980	25.1694	35.5506	25.4098
B 249.678	122.557	122.250	122.962
Ba 389.178	50.6274	53.6761	51.5090
Be 313.042	-0.0295u	-0.0223u	-0.0119u
Ca 370.602	27540	27530	27553
Cd 226.502	-1.3581	-1.0012	-1.2789
Co 228.615	-1.2002u	-1.0530u	-0.4371u
Cr 267.716	-0.1008	-0.4126u	0.2846
Cu 324.754	-1.0534u	0.6591	-0.1036
Fe 271.441	74389.9	74384.0	74381.7
K 766.491	6741.10	6740.85	6759.56
Mg 279.078	8349.37	8358.92	8357.65
Mn 257.610	355.191	355.158	355.156
Mo 202.032	1.6012	1.5461	2.1663
Na 330.237	22012.6	21879.6	21814.3
Ni 231.604	-0.1206	0.8501	-1.1471u
Pb 220.353	-3.8482u	-0.1225u	-0.1710u
Sb 206.834	0.1615	-1.1391	3.4860
Se 196.026	11.1993	1.5434	-1.5749u
Sn 189.925	4.6559	2.5408	-1.3475u
Sr 216.596	151.599	151.659	152.049
Ti 334.941	1.0976	0.8609	0.9218
Tl 190.794	3.7379u	-3.4995u	-5.5690u
V 292.401	0.1346	-0.2557u	-0.2359u
Zn 206.200	2.8492	1.3485	4.5140

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4005	ppb	0.4114	102.7	-55.2615
Al 308.215	56.9090	ppb	2.6336	4.6	384.209
As 188.980	28.7099	ppb	5.9254	20.6	19.4922
B 249.678	122.590	ppb	0.3570	0.3	1326.66
Ba 389.178	51.9375	ppb	1.5689	3.0	1149.18
Be 313.042	-0.0212	ppb	0.0088	41.7	-182.660
Ca 370.602	27541	ppb	11.50	0.0	73044
Cd 226.502	-1.2127	ppb	0.1874	15.5	135.221
Co 228.615	-0.8968	ppb	0.4048	45.1	2.2984
Cr 267.716	-0.0763	ppb	0.3493	457.8	17.2564
Cu 324.754	-0.1660	ppb	0.8580	516.8	97.6320
Fe 271.441	74385.2	ppb	4.2155	0.0	117826
K 766.491	6747.17	ppb	10.7309	0.2	285197
Mg 279.078	8355.32	ppb	5.1856	0.1	16727.7
Mn 257.610	355.168	ppb	0.0200	0.0	76235.8
Mo 202.032	1.7712	ppb	0.3433	19.4	22.2279
Na 330.237	21902.1	ppb	101.042	0.5	1035.48
Ni 231.604	-0.1392	ppb	0.9988	717.4	3.4355
Pb 220.353	-1.3806	ppb	2.1372	154.8	2.6022
Sb 206.834	0.8361	ppb	2.3852	285.3	2.7133
Se 196.026	3.7226	ppb	6.6601	178.9	1.4951
Sn 189.925	1.9497	ppb	3.0450	156.2	0.1276
Sr 216.596	151.769	ppb	0.2443	0.2	1337.12
Ti 334.941	0.9601	ppb	0.1229	12.8	216.730
Tl 190.794	-1.7768	ppb	4.8867	275.0	-8.7841
V 292.401	-0.1190	ppb	0.2199	184.7	4.7645
Zn 206.200	2.9039	ppb	1.5825	54.5	6.3662

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-c-6-a (Samp) 3/31/2013, 1:45:28 AM Rack 3, Tube 57

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.5898u	0.6430	-0.1838u
Al 308.215	8.2934	5.0793	5.7222
As 188.980	-8.0309u	-2.3868u	-11.0915u
B 249.678	-14.1700u	-15.5044u	-16.7684u
Ba 389.178	-1.7588u	-0.1730u	-1.3629u
Be 313.042	-0.0208u	-0.0378u	-0.0198u
Ca 370.602	19.72	28.00	28.49
Cd 226.502	-0.1126u	-0.2156u	0.1154
Co 228.615	0.2614	-0.1879u	0.2368
Cr 267.716	-0.1977u	-0.1961u	-0.1915u
Cu 324.754	-0.5174u	-0.1295u	0.0669
Fe 271.441	10.0376	2.9043	12.4382
K 766.491	1.7641	1.9159	3.0756
Mg 279.078	5.7165	1.0013	3.4350
Mn 257.610	0.0311	0.1035	0.0748
Mo 202.032	0.1843	-1.8109u	-1.6227u
Na 330.237	-42.6903u	114.255	-292.587u
Ni 231.604	-0.8762u	-0.2571u	-1.1966u
Pb 220.353	-1.2915u	-0.5942u	-0.7851u
Sb 206.834	-11.1287u	2.8674	-3.4027u
Se 196.026	4.6845	-1.3931u	-6.1880u
Sn 189.925	1.0599	-2.7791u	-0.1386u
Sr 216.596	0.0669	-0.3829u	0.5565
Ti 334.941	-0.2370u	-0.2369u	-0.1986u
Tl 190.794	6.2041	1.0692	0.4699
V 292.401	-0.0883u	-0.1951u	-0.0116u
Zn 206.200	1.3574	0.0807	0.6354

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0435	ppb	0.6283	1443.1	-78.6023
Al 308.215	6.3650	ppb	1.7007	26.7	153.412
As 188.980	-7.1697	ppb	4.4158	61.6	-3.1566
B 249.678	-15.4809	ppb	1.2994	8.4	100.078
Ba 389.178	-1.0982	ppb	0.8253	75.2	-39.3403
Be 313.042	-0.0261	ppb	0.0101	38.7	-196.218
Ca 370.602	25.40	ppb	4.928	19.4	52.05
Cd 226.502	-0.0709	ppb	0.1694	238.8	12.2508
Co 228.615	0.1034	ppb	0.2526	244.3	15.2204
Cr 267.716	-0.1951	ppb	0.0032	1.6	-3.1757
Cu 324.754	-0.1933	ppb	0.2973	153.8	77.1812
Fe 271.441	8.4600	ppb	4.9589	58.6	23.0254
K 766.491	2.2519	ppb	0.7174	31.9	320.235
Mg 279.078	3.3843	ppb	2.3581	69.7	37.4055
Mn 257.610	0.0698	ppb	0.0364	52.2	82.5463
Mo 202.032	-1.0831	ppb	1.1017	101.7	8.6964
Na 330.237	-73.6739	ppb	205.183	278.5	-0.1522
Ni 231.604	-0.7766	ppb	0.4776	61.5	0.4835
Pb 220.353	-0.8903	ppb	0.3604	40.5	3.2532
Sb 206.834	-3.8880	ppb	7.0106	180.3	-2.0389
Se 196.026	-0.9655	ppb	5.4488	564.3	-1.1750
Sn 189.925	-0.6192	ppb	1.9641	317.2	-1.6480
Sr 216.596	0.0802	ppb	0.4699	586.1	11.6538
Ti 334.941	-0.2242	ppb	0.0222	9.9	-82.3997
Tl 190.794	2.5810	ppb	3.1519	122.1	-1.0778
V 292.401	-0.0984	ppb	0.0922	93.7	5.7534
Zn 206.200	0.6912	ppb	0.6402	92.6	2.0398

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88781-c-7-a (Samp) **3/31/2013, 1:50:55 AM** **Rack 3, Tube 58****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6317u	-0.1694u	-1.1507u
Al 308.215	7.5571	6.6728	5.6463
As 188.980	-7.4325u	-5.2147u	-3.4909u
B 249.678	-18.2110u	-17.9446u	-18.0885u
Ba 389.178	-0.4123u	-1.4286u	-0.7733u
Be 313.042	-0.0302u	-0.0312u	-0.0238u
Ca 370.602	59.70	48.42	51.92
Cd 226.502	-0.0647u	-0.1499u	-0.2031u
Co 228.615	0.3810	0.4507	-1.0190u
Cr 267.716	0.0983	-0.3254u	-0.0628u
Cu 324.754	-0.4630u	-0.6554u	-0.3969u
Fe 271.441	1.5103	-1.8597u	1.6844
K 766.491	6.0897	6.5184	5.2527
Mg 279.078	14.5198	21.1633	9.1631
Mn 257.610	-0.0475u	-0.0779u	-0.0730u
Mo 202.032	0.0078	-0.0118u	0.3087
Na 330.237	89.1277	-7.3660u	-162.120u
Ni 231.604	-2.0122u	0.1224	-0.2830u
Pb 220.353	-1.1181u	1.1847	-2.5000u
Sb 206.834	-2.1851u	-5.3572u	-7.2632u
Se 196.026	-1.9256u	7.4219	5.8945
Sn 189.925	-3.4271u	2.6768	1.5137
Sr 216.596	0.7238	0.2373	0.9091
Ti 334.941	-0.1399u	-0.2672u	-0.2013u
Tl 190.794	0.2985	0.6003	5.1820
V 292.401	-0.7346u	-0.2817u	-0.6743u
Zn 206.200	-0.7733u	1.4079	-0.5837u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6506	ppb	0.4909	75.5	-117.376
Al 308.215	6.6254	ppb	0.9563	14.4	154.720
As 188.980	-5.3793	ppb	1.9759	36.7	-1.9991
B 249.678	-18.0814	ppb	0.1333	0.7	75.6769
Ba 389.178	-0.8714	ppb	0.5152	59.1	-34.7024
Be 313.042	-0.0284	ppb	0.0040	14.2	-200.669
Ca 370.602	53.35	ppb	5.773	10.8	131.6
Cd 226.502	-0.1392	ppb	0.0698	50.2	9.9576
Co 228.615	-0.0624	ppb	0.8291	1327.7	13.4339
Cr 267.716	-0.0967	ppb	0.2139	221.2	0.6792
Cu 324.754	-0.5051	ppb	0.1343	26.6	63.5104
Fe 271.441	0.4450	ppb	1.9978	449.0	10.2401
K 766.491	5.9536	ppb	0.6437	10.8	476.580
Mg 279.078	14.9488	ppb	6.0116	40.2	60.5072
Mn 257.610	-0.0661	ppb	0.0163	24.7	53.5430
Mo 202.032	0.1016	ppb	0.1797	176.9	15.5341
Na 330.237	-26.7861	ppb	126.745	473.2	2.1044
Ni 231.604	-0.7243	ppb	1.1337	156.5	0.6102
Pb 220.353	-0.8111	ppb	1.8615	229.5	3.3675
Sb 206.834	-4.9352	ppb	2.5652	52.0	-2.8307
Se 196.026	3.7969	ppb	5.0144	132.1	1.0402
Sn 189.925	0.2545	ppb	3.2410	1273.6	-1.0490
Sr 216.596	0.6234	ppb	0.3470	55.7	16.2797
Ti 334.941	-0.2028	ppb	0.0636	31.4	-77.6011
Tl 190.794	2.0269	ppb	2.7365	135.0	-1.5711
V 292.401	-0.5635	ppb	0.2459	43.6	-6.1298
Zn 206.200	0.0170	ppb	1.2983	7122.1	-2.0257

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-271223/1-b (Samp) 3/31/2013, 1:56:22 AM Rack 3, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.0763u	-0.8288u	-0.5591u
Al 308.215	7.7613	4.8260	3.6606
As 188.980	-3.4886u	2.5606	-6.3660u
B 249.678	-18.0507u	-17.5849u	-18.4056u
Ba 389.178	-0.2615u	-0.6721u	0.9387
Be 313.042	-0.0230u	-0.0092u	-0.0155u
Ca 370.602	0.6884	0.5986	3.680
Cd 226.502	-0.2635u	-0.1484u	-0.2930u
Co 228.615	-0.7468u	-0.5150u	-0.6352u
Cr 267.716	0.0347	-0.0253u	-0.1838u
Cu 324.754	1.0230	0.8829	-0.0256u
Fe 271.441	1.3685	7.2384	-4.3222u
K 766.491	-0.1148u	-0.3584u	-0.4849u
Mg 279.078	0.0504	-2.1015u	1.8302
Mn 257.610	0.0832	0.0508	0.0443
Mo 202.032	-0.3395u	-1.0002u	-0.8688u
Na 330.237	47.9061	-162.493u	-221.289u
Ni 231.604	-1.6550u	-1.5455u	-0.4569u
Pb 220.353	-4.3748u	-0.6450u	-0.3827u
Sb 206.834	-8.6653u	-3.0584u	-2.5401u
Se 196.026	-3.1958u	-3.3478u	4.5797
Sn 189.925	-1.7990u	-0.1809u	-2.7755u
Sr 216.596	-0.4935u	-0.1820u	-0.2915u
Ti 334.941	-0.2450u	-0.3511u	-0.2779u
Tl 190.794	2.6151	-6.5669u	3.8873
V 292.401	-0.4197u	-0.0045	0.2735
Zn 206.200	0.2297	-0.5531u	-0.3585u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4881	ppb	0.3813	78.1	-106.948
Al 308.215	5.4160	ppb	2.1130	39.0	149.109
As 188.980	-2.4313	ppb	4.5562	187.4	-0.0935
B 249.678	-18.0138	ppb	0.4116	2.3	76.3150
Ba 389.178	0.0017	ppb	0.8370	48315.2	-17.0038
Be 313.042	-0.0159	ppb	0.0069	43.5	-176.976
Ca 370.602	1.656	ppb	1.753	105.9	-15.30
Cd 226.502	-0.2350	ppb	0.0764	32.5	6.7357
Co 228.615	-0.6323	ppb	0.1159	18.3	7.4297
Cr 267.716	-0.0581	ppb	0.1129	194.1	2.1840
Cu 324.754	0.6268	ppb	0.5693	90.8	113.225
Fe 271.441	1.4282	ppb	5.7805	404.7	11.7674
K 766.491	-0.3194	ppb	0.1881	58.9	211.636
Mg 279.078	-0.0737	ppb	1.9688	2673.1	30.4977
Mn 257.610	0.0594	ppb	0.0209	35.1	80.2924
Mo 202.032	-0.7362	ppb	0.3497	47.5	10.6987
Na 330.237	-111.959	ppb	141.534	126.4	-1.9866
Ni 231.604	-1.2191	ppb	0.6624	54.3	-0.5873
Pb 220.353	-1.8009	ppb	2.2330	124.0	1.9250
Sb 206.834	-4.7546	ppb	3.3967	71.4	-2.6874
Se 196.026	-0.6546	ppb	4.5337	692.5	-1.0304
Sn 189.925	-1.5851	ppb	1.3104	82.7	-2.3103
Sr 216.596	-0.3223	ppb	0.1580	49.0	8.2112
Ti 334.941	-0.2913	ppb	0.0543	18.6	-97.3604
Tl 190.794	-0.0215	ppb	5.7041	26517.8	-3.3917
V 292.401	-0.0502	ppb	0.3489	694.5	6.9156
Zn 206.200	-0.2273	ppb	0.4976	179.3	-1.6583

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-271223/2-b (Samp) 3/31/2013, 2:01:49 AM Rack 3, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	37.1538	37.7222	36.4762
Al 308.215	5460.73	5446.38	5409.05
As 188.980	117.678	118.823	126.254
B 249.678	214.649	215.162	214.557
Ba 389.178	103.742	104.640	103.310
Be 313.042	55.3379	55.2904	54.8219
Ca 370.602	5505	5485	5437
Cd 226.502	60.5307	60.0170	59.6481
Co 228.615	58.4340	58.6033	58.1196
Cr 267.716	113.917	113.488	112.297
Cu 324.754	102.264	103.819	103.881
Fe 271.441	5592.24	5586.36	5545.79
K 766.491	5645.08	5639.98	5593.37
Mg 279.078	5996.54	5985.94	5924.16
Mn 257.610	561.886	560.473	555.615
Mo 202.032	106.230	106.028	106.017
Na 330.237	5406.58	5658.81	5471.50
Ni 231.604	114.592	112.927	114.248
Pb 220.353	57.6731	53.6569	58.7845
Sb 206.834	48.2425	48.9277	49.1045
Se 196.026	110.664	120.577	119.450
Sn 189.925	218.115	223.644	221.164
Sr 216.596	116.075	115.979	114.367
Ti 334.941	104.100	104.140	103.173
Tl 190.794	46.2204	44.9856	50.4431
V 292.401	107.823	107.534	106.528
Zn 206.200	119.334	121.904	117.920

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	37.1174	ppb	0.6238	1.7	2290.06
Al 308.215	5438.72	ppb	26.6805	0.5	24944.0
As 188.980	120.918	ppb	4.6561	3.9	79.6104
B 249.678	214.790	ppb	0.3263	0.2	2255.62
Ba 389.178	103.898	ppb	0.6787	0.7	2115.16
Be 313.042	55.1501	ppb	0.2852	0.5	103669
Ca 370.602	5476	ppb	34.99	0.6	15202
Cd 226.502	60.0653	ppb	0.4433	0.7	2043.18
Co 228.615	58.3856	ppb	0.2455	0.4	630.756
Cr 267.716	113.234	ppb	0.8393	0.7	4438.52
Cu 324.754	103.321	ppb	0.9163	0.9	4629.30
Fe 271.441	5574.80	ppb	25.2929	0.5	8848.71
K 766.491	5626.14	ppb	28.4969	0.5	237850
Mg 279.078	5968.88	ppb	39.0912	0.7	11944.4
Mn 257.610	559.325	ppb	3.2896	0.6	119699
Mo 202.032	106.092	ppb	0.1203	0.1	626.845
Na 330.237	5512.30	ppb	130.968	2.4	265.222
Ni 231.604	113.922	ppb	0.8789	0.8	278.144
Pb 220.353	56.7048	ppb	2.6975	4.8	87.0875
Sb 206.834	48.7582	ppb	0.4553	0.9	37.4058
Se 196.026	116.897	ppb	5.4269	4.6	53.8094
Sn 189.925	220.974	ppb	2.7691	1.3	150.277
Sr 216.596	115.474	ppb	0.9595	0.8	997.639
Ti 334.941	103.804	ppb	0.5470	0.5	23097.7
Tl 190.794	47.2164	ppb	2.8618	6.1	37.6510
V 292.401	107.295	ppb	0.6797	0.6	2679.88
Zn 206.200	119.719	ppb	2.0196	1.7	181.718

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/31/2013, 2:07:16 AM Rack 4, Tube 1
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	518.908	514.911	522.355
Al 308.215	5444.82	5432.27	5416.85
As 188.980	568.288	551.357	540.217
B 249.678	626.335	629.858	633.636
Ba 389.178	4788.15	4775.67	4781.32
Be 313.042	508.602	506.723	507.673
Ca 370.602	5442	5424	5409
Cd 226.502	540.108	538.991	539.686
Co 228.615	534.097	533.743	531.966
Cr 267.716	5200.53	5189.29	5181.67
Cu 324.754	4782.56	4738.31	4905.31
Fe 271.441	5510.43	5503.36	5509.35
K 766.491	10798.5	10777.0	10798.0
Mg 279.078	5833.31	5805.27	5803.98
Mn 257.610	5085.44	5078.98	5069.67
Mo 202.032	521.549	520.124	521.157
Na 330.237	8091.40	8128.54	8391.15
Ni 231.604	2715.25	2697.59	2700.26
Pb 220.353	558.152	553.240	549.517
Sb 206.834	1031.41	1037.34	1055.16
Se 196.026	5735.61	5723.92	5698.37
Sn 189.925	5544.21	5544.98	5548.65
Sr 216.596	2707.41	2704.06	2691.89
Ti 334.941	514.742	514.436	513.197
Tl 190.794	5473.35	5469.55	5463.72
V 292.401	5156.16	5140.65	5146.04
Zn 206.200	2798.46	2785.11	2786.90

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	518.725	ppb	3.7254	0.7	32954.5	103.74498
Al 308.215	5431.31	ppb	14.0064	0.3	24882.9	108.62626
As 188.980	553.287	ppb	14.1346	2.6	359.020	110.65745Q
B 249.678	629.943	ppb	3.6510	0.6	6151.15	25.19772Q
Ba 389.178	4781.71	ppb	6.2474	0.1	97165.2	95.63427
Be 313.042	507.666	ppb	0.9392	0.2	955407	101.53323
Ca 370.602	5425	ppb	16.37	0.3	15282	108.50462
Cd 226.502	539.595	ppb	0.5639	0.1	18141.1	107.91903
Co 228.615	533.269	ppb	1.1423	0.2	5661.48	106.65376
Cr 267.716	5190.49	ppb	9.4897	0.2	203139	103.80989
Cu 324.754	4808.73	ppb	86.5199	1.8	211376	96.17454
Fe 271.441	5507.71	ppb	3.8079	0.1	8853.18	110.15427Q
K 766.491	10791.2	ppb	12.2600	0.1	456000	107.91203
Mg 279.078	5814.19	ppb	16.5716	0.3	11566.7	116.28375Q
Mn 257.610	5078.03	ppb	7.9280	0.2	1085811	101.56062
Mo 202.032	520.943	ppb	0.7362	0.1	3013.46	104.18862
Na 330.237	8203.70	ppb	163.400	2.0	373.036	109.38264
Ni 231.604	2704.36	ppb	9.5218	0.4	6546.60	108.17456
Pb 220.353	553.637	ppb	4.3312	0.8	811.942	110.72732Q
Sb 206.834	1041.31	ppb	12.3627	1.2	813.915	104.13051
Se 196.026	5719.30	ppb	19.0439	0.3	2660.81	114.38602Q
Sn 189.925	5545.95	ppb	2.3756	0.0	3801.00	110.91891Q
Sr 216.596	2701.12	ppb	8.1635	0.3	23098.3	108.04471
Ti 334.941	514.125	ppb	0.8184	0.2	114440	102.82503
Tl 190.794	5468.87	ppb	4.8511	0.1	4853.70	109.37743
V 292.401	5147.62	ppb	7.8735	0.2	128973	102.95238
Zn 206.200	2790.16	ppb	7.2494	0.3	4182.96	111.60629Q

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/31/2013, 2:12:44 AM Rack 4, Tube 2
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.3427u	-1.7412u	0.4521
Al 308.215	6.4274	5.7641	5.3348
As 188.980	0.6715	-5.9693u	-4.4526u
B 249.678	-3.0513u	-3.9299u	-4.7591u
Ba 389.178	-1.1558u	-0.0140u	-0.9752u
Be 313.042	-0.0067u	-0.0205u	-0.0182u
Ca 370.602	-2.128u	-2.621u	7.537
Cd 226.502	-0.1160u	-0.2146u	-0.1327u
Co 228.615	0.8551	-0.5372u	-0.0373u
Cr 267.716	-0.0529u	-0.2644u	-0.2274u
Cu 324.754	0.4993	-1.3222u	-1.2429u
Fe 271.441	-4.0112u	-5.9752u	0.4838
K 766.491	0.0427	-0.8074u	-0.3892u
Mg 279.078	2.6819	0.6514	-1.9648u
Mn 257.610	-0.0914u	-0.1005u	-0.0633u
Mo 202.032	-0.0770u	0.2264	0.1958
Na 330.237	14.1252	29.5990	292.334
Ni 231.604	-1.7750u	-0.0255u	2.0111
Pb 220.353	0.6567	1.2228	1.3936
Sb 206.834	16.0013	9.7697	13.4903
Se 196.026	3.0613	3.6360	3.8019
Sn 189.925	-0.7622u	5.1885	3.2938
Sr 216.596	0.2320	1.2778	-0.6017u
Ti 334.941	-0.1420u	-0.0454u	-0.2098u
Tl 190.794	4.6126	5.5277	11.8545
V 292.401	-0.5324u	-0.4093u	-0.0777u
Zn 206.200	0.2231	-2.1522u	-0.7329u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8773	ppb	1.1684	133.2	-131.795	-0.87729
Al 308.215	5.8421	ppb	0.5504	9.4	151.181	5.84208
As 188.980	-3.2501	ppb	3.4798	107.1	-0.6232	-3.25014
B 249.678	-3.9134	ppb	0.8540	21.8	208.623	-3.91343
Ba 389.178	-0.7150	ppb	0.6138	85.8	-31.5591	-0.71500
Be 313.042	-0.0151	ppb	0.0074	48.9	-175.752	-0.01513
Ca 370.602	0.9292	ppb	5.728	616.4	-17.35	0.92919
Cd 226.502	-0.1544	ppb	0.0528	34.2	9.4384	-0.15442
Co 228.615	0.0935	ppb	0.7053	754.1	15.0726	0.09353
Cr 267.716	-0.1816	ppb	0.1130	62.2	-2.6431	-0.18156
Cu 324.754	-0.6886	ppb	1.0295	149.5	55.4527	-0.68858
Fe 271.441	-3.1675	ppb	3.3111	104.5	4.5544	-3.16753
K 766.491	-0.3846	ppb	0.4251	110.5	208.879	-0.38464
Mg 279.078	0.4561	ppb	2.3295	510.7	31.5574	0.45613
Mn 257.610	-0.0851	ppb	0.0194	22.8	49.4046	-0.08508
Mo 202.032	0.1151	ppb	0.1670	145.2	15.6118	0.11505
Na 330.237	112.019	ppb	156.349	139.6	8.7827	112.01938
Ni 231.604	0.0702	ppb	1.8949	2699.6	2.5327	0.07019
Pb 220.353	1.0911	ppb	0.3857	35.4	6.1414	1.09106
Sb 206.834	13.0871	ppb	3.1353	24.0	10.6022	13.08708Z
Se 196.026	3.4997	ppb	0.3886	11.1	0.9020	3.49972
Sn 189.925	2.5734	ppb	3.0401	118.1	0.5408	2.57339
Sr 216.596	0.3027	ppb	0.9417	311.1	13.5126	0.30272
Ti 334.941	-0.1324	ppb	0.0826	62.4	-61.9910	-0.13242
Tl 190.794	7.3316	ppb	3.9436	53.8	3.1448	7.33163
V 292.401	-0.3398	ppb	0.2352	69.2	-0.5688	-0.33978
Zn 206.200	-0.8873	ppb	1.1952	134.7	0.6658	-0.88732

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-271223/3-b (Samp) 3/31/2013, 2:18:12 AM Rack 4, Tube 3
 Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	216.859	216.162	214.994
Al 308.215	2180.66	2182.69	2180.62
As 188.980	242.778	244.358	241.920
B 249.678	452.761	458.275	459.946
Ba 389.178	203.066	201.309	202.628
Be 313.042	221.410	221.407	220.936
Ca 370.602	22093	22110	22034
Cd 226.502	232.895	232.936	231.705
Co 228.615	229.534	229.681	228.988
Cr 267.716	223.711	223.382	222.336
Cu 324.754	206.928	207.054	205.647
Fe 271.441	23092.3	23129.7	23023.7
K 766.491	22515.7	22589.5	22545.7
Mg 279.078	24089.9	24147.9	24026.6
Mn 257.610	2237.44	2238.74	2230.63
Mo 202.032	210.222	210.027	210.314
Na 330.237	20008.4	20275.7	20261.2
Ni 231.604	230.635	230.054	226.385
Pb 220.353	226.134	226.061	225.956
Sb 206.834	215.705	209.892	197.500
Se 196.026	236.602	232.438	246.572
Sn 189.925	221.698	223.525	217.896
Sr 216.596	238.433	240.101	238.992
Ti 334.941	207.512	207.720	207.588
Tl 190.794	50.2432	42.1752	47.4827
V 292.401	211.140	211.410	209.848
Zn 206.200	228.468	227.614	226.317

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	216.005	ppb	0.9423	0.4	13703.2
Al 308.215	2181.32	ppb	1.1864	0.1	10094.5
As 188.980	243.019	ppb	1.2369	0.5	158.477
B 249.678	456.994	ppb	3.7597	0.8	4512.04
Ba 389.178	202.334	ppb	0.9148	0.5	4179.15
Be 313.042	221.251	ppb	0.2727	0.1	416381
Ca 370.602	22079	ppb	40.17	0.2	61271
Cd 226.502	232.512	ppb	0.6992	0.3	7870.47
Co 228.615	229.401	ppb	0.3649	0.2	2438.38
Cr 267.716	223.143	ppb	0.7180	0.3	8747.95
Cu 324.754	206.543	ppb	0.7782	0.4	9171.63
Fe 271.441	23081.9	ppb	53.7323	0.2	36602.9
K 766.491	22550.3	ppb	37.1248	0.2	952655
Mg 279.078	24088.1	ppb	60.6627	0.3	48116.1
Mn 257.610	2235.60	ppb	4.3551	0.2	478234
Mo 202.032	210.188	ppb	0.1467	0.1	1226.76
Na 330.237	20181.8	ppb	150.293	0.7	963.961
Ni 231.604	229.025	ppb	2.3044	1.0	557.006
Pb 220.353	226.050	ppb	0.0895	0.0	334.240
Sb 206.834	207.699	ppb	9.2983	4.5	156.931
Se 196.026	238.537	ppb	7.2629	3.0	110.877
Sn 189.925	221.040	ppb	2.8718	1.3	150.331
Sr 216.596	239.176	ppb	0.8488	0.4	2059.57
Ti 334.941	207.607	ppb	0.1055	0.1	46271.4
Tl 190.794	46.6337	ppb	4.1004	8.8	34.2316
V 292.401	210.800	ppb	0.8347	0.4	5256.89
Zn 206.200	227.467	ppb	1.0821	0.5	242.442

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53091-d-6-c (Samp) 3/31/2013, 2:23:40 AM Rack 4, Tube 4

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3173u	0.1381u	-0.5636u
Al 308.215	44.3939	45.6974	45.7530
As 188.980	-5.3210u	4.6380	0.0566
B 249.678	33.5130	31.9075	30.2064
Ba 389.178	153.586	153.765	154.000
Be 313.042	0.0047	-0.0049	-0.0070
Ca 370.602	73068	72849	73008
Cd 226.502	-0.0940u	-0.2254u	0.0257
Co 228.615	-0.5342u	-0.8310u	0.4521
Cr 267.716	0.3193	0.6549	0.5227
Cu 324.754	0.6298	-1.7790u	1.1924
Fe 271.441	34.2292	31.5697	27.5525
K 766.491	1648.29	1650.77	1655.85
Mg 279.078	19366.7	19310.2	19315.4
Mn 257.610	1.9188	1.9483	1.9289
Mo 202.032	2.1055	1.2982	2.5537
Na 330.237	40189.3	40034.1	40305.7
Ni 231.604	-1.4392u	-1.5027u	0.0586
Pb 220.353	-0.9066u	1.1036	-1.2611u
Sb 206.834	4.3839	-1.2097u	5.3040
Se 196.026	-6.1325u	5.0962	-0.7843u
Sn 189.925	-4.2922u	3.2292	3.6457
Sr 216.596	461.749	458.732	458.278
Ti 334.941	0.5910	0.5412	0.7330
Tl 190.794	0.9720	4.4134	9.8128
V 292.401	-0.7477u	0.4911	-0.3986u
Zn 206.200	2.0813	2.0892	1.4257

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2476	ppb	0.3560	143.8	-109.998
Al 308.215	45.2814	ppb	0.7692	1.7	331.245
As 188.980	-0.2088	ppb	4.9848	2387.3	1.9688
B 249.678	31.8757	ppb	1.6535	5.2	544.417
Ba 389.178	153.784	ppb	0.2080	0.1	3151.96
Be 313.042	-0.0024	ppb	0.0062	259.3	-133.014
Ca 370.602	72975	ppb	113.3	0.2	207774
Cd 226.502	-0.0979	ppb	0.1256	128.3	11.4219
Co 228.615	-0.3044	ppb	0.6717	220.7	10.8450
Cr 267.716	0.4990	ppb	0.1690	33.9	24.5996
Cu 324.754	0.0144	ppb	1.5784	10959.2	86.3889
Fe 271.441	31.1171	ppb	3.3612	10.8	58.8116
K 766.491	1651.64	ppb	3.8531	0.2	69983.3
Mg 279.078	19330.8	ppb	31.2339	0.2	38644.0
Mn 257.610	1.9320	ppb	0.0150	0.8	585.994
Mo 202.032	1.9858	ppb	0.6362	32.0	26.4068
Na 330.237	40176.4	ppb	136.272	0.3	1934.52
Ni 231.604	-0.9611	ppb	0.8837	91.9	0.0378
Pb 220.353	-0.3547	ppb	1.2753	359.5	4.0303
Sb 206.834	2.8261	ppb	3.5252	124.7	2.9431
Se 196.026	-0.6069	ppb	5.6164	925.4	-1.0075
Sn 189.925	0.8609	ppb	4.4675	518.9	-0.5968
Sr 216.596	459.586	ppb	1.8864	0.4	3953.33
Ti 334.941	0.6218	ppb	0.0995	16.0	173.081
Tl 190.794	5.0661	ppb	4.4564	88.0	1.1254
V 292.401	-0.2184	ppb	0.6388	292.5	2.1052
Zn 206.200	1.8654	ppb	0.3898	20.4	4.8035

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53091-d-7-c (Samp) 3/31/2013, 2:29:08 AM Rack 4, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.1335u	-0.8436u	-0.2422u
Al 308.215	12.7024	13.9392	15.8570
As 188.980	2.0152	-1.0612u	-2.4238u
B 249.678	10.4030	10.9018	10.7944
Ba 389.178	127.524	127.905	127.641
Be 313.042	0.0067	0.0033	-0.0022
Ca 370.602	39928	40006	39896
Cd 226.502	0.2870	-0.2059u	-0.0950u
Co 228.615	-0.1889u	-0.0454u	-1.1469u
Cr 267.716	1.1677	1.4247	1.2294
Cu 324.754	0.4979	2.3136	0.0807
Fe 271.441	12.3042	2.2010	4.7102
K 766.491	1561.90	1567.53	1566.47
Mg 279.078	11171.3	11171.0	11150.3
Mn 257.610	0.0822	0.1182	0.0934
Mo 202.032	-0.3497u	-0.2411u	0.0589
Na 330.237	29041.7	29244.7	28937.4
Ni 231.604	-1.9594u	-2.0935u	0.0483
Pb 220.353	1.8508	1.1740	-1.7010u
Sb 206.834	0.4452	-10.4343u	9.7500
Se 196.026	-3.5968u	0.6352	5.0993
Sn 189.925	-8.1161u	-1.8952u	-0.8006u
Sr 216.596	176.695	177.993	177.005
Ti 334.941	-0.3308u	-0.1706	-0.2534u
Tl 190.794	-1.4595u	-4.8089u	-1.5999u
V 292.401	-0.6972u	0.1994	0.1981
Zn 206.200	6.2849	2.6875	4.9518

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4064	ppb	0.3825	94.1	-108.917
Al 308.215	14.1662	ppb	1.5895	11.2	189.128
As 188.980	-0.4899	ppb	2.2740	464.1	1.5043
B 249.678	10.6997	ppb	0.2625	2.5	345.737
Ba 389.178	127.690	ppb	0.1950	0.2	2602.96
Be 313.042	0.0026	ppb	0.0045	173.7	-132.841
Ca 370.602	39943	ppb	56.49	0.1	113717
Cd 226.502	-0.0046	ppb	0.2585	5590.5	14.4667
Co 228.615	-0.4604	ppb	0.5988	130.1	9.2276
Cr 267.716	1.2739	ppb	0.1342	10.5	54.7563
Cu 324.754	0.9641	ppb	1.1872	123.1	128.076
Fe 271.441	6.4051	ppb	5.2606	82.1	19.7083
K 766.491	1565.30	ppb	2.9940	0.2	66336.8
Mg 279.078	11164.2	ppb	12.0537	0.1	22331.1
Mn 257.610	0.0979	ppb	0.0184	18.8	149.282
Mo 202.032	-0.1773	ppb	0.2117	119.4	13.9238
Na 330.237	29074.6	ppb	156.274	0.5	1400.89
Ni 231.604	-1.3348	ppb	1.1997	89.9	-0.8671
Pb 220.353	0.4413	ppb	1.8859	427.4	5.1938
Sb 206.834	-0.0797	ppb	10.1024	12674.1	0.7977
Se 196.026	0.7126	ppb	4.3485	610.3	-0.3943
Sn 189.925	-3.6040	ppb	3.9457	109.5	-3.6722
Sr 216.596	177.231	ppb	0.6777	0.4	1532.20
Ti 334.941	-0.2516	ppb	0.0801	31.8	-50.0988
Tl 190.794	-2.6228	ppb	1.8945	72.2	-5.7052
V 292.401	-0.0999	ppb	0.5173	517.8	5.3257
Zn 206.200	4.6414	ppb	1.8186	39.3	8.9766

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53091-d-8-c (Samp) 3/31/2013, 2:34:36 AM Rack 4, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.3984u	0.0080	-0.5873u
Al 308.215	4.8657	6.4926	7.1687
As 188.980	-4.9894u	-10.7084u	-4.5155u
B 249.678	-18.6262u	-17.0493u	-19.4454u
Ba 389.178	-1.0984u	0.3403	0.1576
Be 313.042	-0.0072u	-0.0134u	-0.0154u
Ca 370.602	5.718	1.052u	2.695u
Cd 226.502	-0.1823u	-0.1427u	-0.0396u
Co 228.615	0.0324	0.0368	-0.0294u
Cr 267.716	-0.1421u	-0.1070u	-0.0760u
Cu 324.754	-1.1389u	-0.4168u	0.6308
Fe 271.441	144.634	151.378	152.782
K 766.491	0.4207	0.9140	1.0926
Mg 279.078	5.3143	-0.0835u	3.3837
Mn 257.610	0.4832	0.3870	0.4700
Mo 202.032	-1.4121u	-0.0167u	-0.8353u
Na 330.237	-197.907u	-452.156u	15.9861
Ni 231.604	-0.4437u	-0.6558u	-1.1195u
Pb 220.353	-1.6916u	3.0204	-7.5627u
Sb 206.834	-1.1927u	6.8577	5.8602
Se 196.026	-5.5972u	-8.6497u	1.9851
Sn 189.925	-0.8384u	2.4458	2.0180
Sr 216.596	0.7940	-0.1247u	0.2940
Ti 334.941	-0.2819u	-0.2790u	-0.3041u
Tl 190.794	5.6084	6.9926	3.3528
V 292.401	-0.1658u	0.0475	-0.4378u
Zn 206.200	-0.2129u	0.4803	-0.5737u

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3259	ppb	0.3042	93.3	-96.6065
Al 308.215	6.1756	ppb	1.1838	19.2	152.555
As 188.980	-6.7378	ppb	3.4469	51.2	-2.8791
B 249.678	-18.3736	ppb	1.2179	6.6	72.7983
Ba 389.178	-0.2001	ppb	0.7832	391.3	-20.9132
Be 313.042	-0.0120	ppb	0.0043	35.8	-169.624
Ca 370.602	3.155	ppb	2.367	75.0	-21.91
Cd 226.502	-0.1216	ppb	0.0737	60.6	10.8698
Co 228.615	0.0133	ppb	0.0370	279.1	14.2586
Cr 267.716	-0.1083	ppb	0.0331	30.5	0.2492
Cu 324.754	-0.3083	ppb	0.8898	288.6	72.1677
Fe 271.441	149.598	ppb	4.3564	2.9	246.493
K 766.491	0.8091	ppb	0.3480	43.0	259.298
Mg 279.078	2.8715	ppb	2.7351	95.2	36.3989
Mn 257.610	0.4467	ppb	0.0522	11.7	163.500
Mo 202.032	-0.7547	ppb	0.7012	92.9	10.5860
Na 330.237	-211.359	ppb	234.361	110.9	-6.8051
Ni 231.604	-0.7397	ppb	0.3456	46.7	0.5758
Pb 220.353	-2.0779	ppb	5.3021	255.2	1.5209
Sb 206.834	3.8417	ppb	4.3884	114.2	3.7256
Se 196.026	-4.0873	ppb	5.4758	134.0	-2.6262
Sn 189.925	1.2085	ppb	1.7855	147.8	-0.3950
Sr 216.596	0.3211	ppb	0.4599	143.3	13.7573
Ti 334.941	-0.2883	ppb	0.0137	4.8	-96.6625
Tl 190.794	5.3179	ppb	1.8372	34.5	1.3477
V 292.401	-0.1853	ppb	0.2432	131.2	3.5559
Zn 206.200	-0.1021	ppb	0.5356	524.7	-1.8467

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53091-d-9-e (Samp) 3/31/2013, 2:40:14 AM Rack 4, Tube 7

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.1605u	0.4295	-0.5317u
Al 308.215	6.3486	5.9703	10.9272
As 188.980	-10.4337u	-0.3058u	-5.9105u
B 249.678	-20.5785u	-18.7714u	-19.0587u
Ba 389.178	-1.2965u	0.0294	-1.4480u
Be 313.042	-0.0219u	-0.0232u	-0.0281u
Ca 370.602	18.14	20.11	22.68
Cd 226.502	-0.0292u	-0.4007u	-0.1610u
Co 228.615	-0.0818u	0.1671	-0.8641u
Cr 267.716	0.0054	-0.2304u	-0.3181u
Cu 324.754	1.4408	0.4459	0.8633
Fe 271.441	0.8015	-7.5518u	-2.1314u
K 766.491	2.2234	1.5672	1.7301
Mg 279.078	4.0605	7.8039	-1.0355u
Mn 257.610	0.1312	0.0211	0.1011
Mo 202.032	-0.4089u	-0.1339u	-0.1450u
Na 330.237	178.960	-43.3127u	-8.0626u
Ni 231.604	-0.8844u	-3.0649u	1.0804
Pb 220.353	-7.3398u	-3.3707u	-1.2807u
Sb 206.834	-7.3483u	-5.2957u	2.4479
Se 196.026	0.5625	7.3434	12.7437
Sn 189.925	3.2852	0.8922	2.7130
Sr 216.596	0.2761	-0.4661u	0.0206
Ti 334.941	-0.2640u	-0.2554u	-0.0656u
Tl 190.794	2.3908	5.5128	4.8842
V 292.401	-0.0138u	0.1740	-0.3783u
Zn 206.200	-0.6244u	0.4816	0.5347

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4209	ppb	0.8008	190.3	-102.670
Al 308.215	7.7487	ppb	2.7592	35.6	159.772
As 188.980	-5.5500	ppb	5.0736	91.4	-2.1095
B 249.678	-19.4695	ppb	0.9711	5.0	62.6536
Ba 389.178	-0.9051	ppb	0.8128	89.8	-35.4173
Be 313.042	-0.0244	ppb	0.0033	13.3	-193.083
Ca 370.602	20.31	ppb	2.278	11.2	37.73
Cd 226.502	-0.1970	ppb	0.1884	95.6	8.0130
Co 228.615	-0.2596	ppb	0.5381	207.2	11.3648
Cr 267.716	-0.1810	ppb	0.1673	92.4	-2.6233
Cu 324.754	0.9167	ppb	0.4996	54.5	125.970
Fe 271.441	-2.9606	ppb	4.2379	143.1	4.9307
K 766.491	1.8402	ppb	0.3417	18.6	302.848
Mg 279.078	3.6096	ppb	4.4369	122.9	37.8536
Mn 257.610	0.0845	ppb	0.0569	67.3	85.6762
Mo 202.032	-0.2293	ppb	0.1557	67.9	13.6242
Na 330.237	42.5282	ppb	119.461	280.9	5.4379
Ni 231.604	-0.9563	ppb	2.0736	216.8	0.0487
Pb 220.353	-3.9971	ppb	3.0777	77.0	-1.2789
Sb 206.834	-3.3987	ppb	5.1663	152.0	-1.6788
Se 196.026	6.8832	ppb	6.1036	88.7	2.4758
Sn 189.925	2.2968	ppb	1.2496	54.4	0.3512
Sr 216.596	-0.0565	ppb	0.3770	667.5	10.4845
Ti 334.941	-0.1950	ppb	0.1122	57.5	-75.9178
Tl 190.794	4.2626	ppb	1.6512	38.7	0.4169
V 292.401	-0.0727	ppb	0.2808	386.3	6.3146
Zn 206.200	0.1306	ppb	0.6544	501.8	-2.1966

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53091-d-9-eSD^5 (Samp) **3/31/2013, 2:45:43 AM****Rack 4, Tube 8****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.4277	-0.8609u	-0.3390u
Al 308.215	9.8459	5.1650	6.9566
As 188.980	0.4212	-8.3647u	-0.3825u
B 249.678	-18.3316u	-19.9677u	-19.8610u
Ba 389.178	-1.2991u	-0.1940u	-1.9697u
Be 313.042	-0.0373u	-0.0400u	-0.0391u
Ca 370.602	5.998	6.941	12.25
Cd 226.502	-0.1433u	-0.0664u	-0.0588u
Co 228.615	-0.6166u	0.3621	-1.5222u
Cr 267.716	-0.3253u	-0.2234u	-0.1398u
Cu 324.754	0.8612	-0.0827u	0.7521
Fe 271.441	3.6898	-2.4729u	10.2822
K 766.491	0.8489	0.6471	1.1429
Mg 279.078	2.1012	0.8069	-4.1275u
Mn 257.610	-0.0184u	-0.0735u	-0.0831u
Mo 202.032	-0.0424u	-0.6376u	0.0758
Na 330.237	388.469	92.4549	-182.924u
Ni 231.604	-1.8847u	0.0243	-0.4746u
Pb 220.353	0.3241	-1.4684u	-1.6318u
Sb 206.834	0.8242	-6.5953u	2.1731
Se 196.026	-2.6549u	2.3972	-8.1380u
Sn 189.925	-2.5718u	-1.1183u	-5.4019u
Sr 216.596	0.2452	0.9995	-0.3939u
Ti 334.941	-0.1255u	-0.3578u	-0.1990u
Tl 190.794	1.8944	1.1715	2.3424
V 292.401	-0.0905u	-0.4871u	-0.1294u
Zn 206.200	-0.6076u	0.0500	1.5774

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2574	ppb	0.6482	251.8	-92.2510
Al 308.215	7.3225	ppb	2.3618	32.3	157.867
As 188.980	-2.7753	ppb	4.8572	175.0	-0.3159
B 249.678	-19.3868	ppb	0.9154	4.7	63.4375
Ba 389.178	-1.1543	ppb	0.8967	77.7	-40.4976
Be 313.042	-0.0388	ppb	0.0014	3.5	-220.231
Ca 370.602	8.397	ppb	3.372	40.2	4.366
Cd 226.502	-0.0895	ppb	0.0468	52.2	11.6034
Co 228.615	-0.5922	ppb	0.9424	159.1	7.8375
Cr 267.716	-0.2295	ppb	0.0929	40.5	-4.5203
Cu 324.754	0.5102	ppb	0.5163	101.2	108.117
Fe 271.441	3.8330	ppb	6.3788	166.4	15.5663
K 766.491	0.8796	ppb	0.2493	28.3	262.277
Mg 279.078	-0.4065	ppb	3.2869	808.7	29.8318
Mn 257.610	-0.0583	ppb	0.0349	59.8	55.0969
Mo 202.032	-0.2014	ppb	0.3824	189.9	13.7855
Na 330.237	99.3334	ppb	285.759	287.7	8.1713
Ni 231.604	-0.7783	ppb	0.9901	127.2	0.4793
Pb 220.353	-0.9254	ppb	1.0852	117.3	3.2011
Sb 206.834	-1.1993	ppb	4.7215	393.7	-0.0422
Se 196.026	-2.7985	ppb	5.2691	188.3	-2.0277
Sn 189.925	-3.0307	ppb	2.1784	71.9	-3.3012
Sr 216.596	0.2836	ppb	0.6975	245.9	13.3696
Ti 334.941	-0.2274	ppb	0.1188	52.2	-83.1479
Tl 190.794	1.8028	ppb	0.5908	32.8	-1.7698
V 292.401	-0.2356	ppb	0.2186	92.8	2.1512
Zn 206.200	0.3399	ppb	1.1210	329.8	2.5111

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53091-d-9-ePDS (Samp) **3/31/2013, 2:51:11 AM** **Rack 4, Tube 9****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	52.5150	53.2276	50.8229
Al 308.215	2191.68	2187.48	2181.69
As 188.980	2506.19	2497.40	2485.57
B 249.678	1175.02	1189.16	1192.75
Ba 389.178	2102.91	2109.54	2099.71
Be 313.042	55.9694	56.0963	55.9220
Ca 370.602	5570	5573	5573
Cd 226.502	60.7542	60.7230	60.3571
Co 228.615	594.917	601.387	595.187
Cr 267.716	228.497	228.014	227.829
Cu 324.754	263.345	261.011	262.245
Fe 271.441	1133.83	1149.85	1147.80
K 766.491	5747.65	5787.30	5765.35
Mg 279.078	6109.72	6129.34	6089.79
Mn 257.610	568.836	570.462	567.108
Mo 202.032	534.476	540.227	535.860
Na 330.237	5595.24	5898.75	5677.48
Ni 231.604	585.840	591.429	583.007
Pb 220.353	586.273	576.365	576.144
Sb 206.834	531.391	534.609	546.962
Se 196.026	2414.58	2413.95	2426.94
Sn 189.925	1139.44	1152.25	1145.19
Sr 216.596	577.706	577.014	576.170
Ti 334.941	1033.61	1035.20	1031.94
Tl 190.794	2350.05	2354.72	2352.80
V 292.401	537.181	540.814	539.035
Zn 206.200	617.109	617.839	613.696

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	52.1885	ppb	1.2351	2.4	3235.51
Al 308.215	2186.95	ppb	5.0158	0.2	10150.6
As 188.980	2496.39	ppb	10.3469	0.4	1615.28
B 249.678	1185.64	ppb	9.3770	0.8	11369.5
Ba 389.178	2104.05	ppb	5.0135	0.2	42749.9
Be 313.042	55.9959	ppb	0.0901	0.2	105175
Ca 370.602	5572	ppb	1.578	0.0	15948
Cd 226.502	60.6114	ppb	0.2208	0.4	2052.02
Co 228.615	597.164	ppb	3.6603	0.6	6337.17
Cr 267.716	228.113	ppb	0.3446	0.2	8932.22
Cu 324.754	262.200	ppb	1.1675	0.4	11617.0
Fe 271.441	1143.83	ppb	8.7201	0.8	1910.05
K 766.491	5766.77	ppb	19.8597	0.3	243789
Mg 279.078	6109.62	ppb	19.7717	0.3	12225.6
Mn 257.610	568.802	ppb	1.6775	0.3	121715
Mo 202.032	536.854	ppb	3.0018	0.6	3112.40
Na 330.237	5723.82	ppb	156.971	2.7	266.434
Ni 231.604	586.759	ppb	4.2852	0.7	1422.25
Pb 220.353	579.594	ppb	5.7854	1.0	848.713
Sb 206.834	537.654	ppb	8.2201	1.5	398.353
Se 196.026	2418.49	ppb	7.3261	0.3	1124.37
Sn 189.925	1145.63	ppb	6.4120	0.6	784.206
Sr 216.596	576.963	ppb	0.7692	0.1	4930.10
Ti 334.941	1033.58	ppb	1.6300	0.2	230079
Tl 190.794	2352.52	ppb	2.3503	0.1	2087.44
V 292.401	539.010	ppb	1.8164	0.3	13455.5
Zn 206.200	616.214	ppb	2.2418	0.4	628.091

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53091-d-9-f ms (Samp) **3/31/2013, 2:56:39 AM** **Rack 4, Tube 10****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	27.8896	26.7481	26.1660
Al 308.215	5524.13	5571.61	5527.48
As 188.980	118.929	124.784	115.535
B 249.678	247.616	249.332	247.789
Ba 389.178	103.045	105.283	102.705
Be 313.042	56.3726	56.7806	56.3246
Ca 370.602	5541	5586	5552
Cd 226.502	60.8898	61.4886	60.7260
Co 228.615	58.2746	59.8494	59.5982
Cr 267.716	114.735	115.724	114.615
Cu 324.754	104.389	106.445	106.759
Fe 271.441	5655.65	5681.32	5647.29
K 766.491	5717.38	5772.94	5742.86
Mg 279.078	6109.31	6159.87	6122.55
Mn 257.610	566.331	570.573	565.666
Mo 202.032	108.626	108.867	107.841
Na 330.237	5401.74	5367.44	5644.80
Ni 231.604	114.915	117.471	117.200
Pb 220.353	53.7251	58.9072	60.7252
Sb 206.834	55.2234	57.7535	46.1938
Se 196.026	125.272	114.641	124.730
Sn 189.925	229.096	225.551	227.506
Sr 216.596	114.717	116.013	114.742
Ti 334.941	104.958	105.806	104.740
Tl 190.794	44.9688	48.7038	45.3600
V 292.401	108.717	109.057	108.092
Zn 206.200	121.280	122.495	124.853

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	26.9346	ppb	0.8768	3.3	1640.50
Al 308.215	5541.07	ppb	26.4980	0.5	25411.2
As 188.980	119.749	ppb	4.6786	3.9	78.8537
B 249.678	248.245	ppb	0.9447	0.4	2569.46
Ba 389.178	103.678	ppb	1.4002	1.4	2111.18
Be 313.042	56.4926	ppb	0.2506	0.4	106196
Ca 370.602	5560	ppb	23.16	0.4	15434
Cd 226.502	61.0348	ppb	0.4014	0.7	2075.92
Co 228.615	59.2407	ppb	0.8461	1.4	639.732
Cr 267.716	115.024	ppb	0.6088	0.5	4508.65
Cu 324.754	105.864	ppb	1.2876	1.2	4741.14
Fe 271.441	5661.42	ppb	17.7358	0.3	8985.95
K 766.491	5744.40	ppb	27.8165	0.5	242844
Mg 279.078	6130.58	ppb	26.2207	0.4	12267.3
Mn 257.610	567.524	ppb	2.6621	0.5	121453
Mo 202.032	108.445	ppb	0.5362	0.5	640.420
Na 330.237	5471.33	ppb	151.208	2.8	263.191
Ni 231.604	116.529	ppb	1.4042	1.2	284.453
Pb 220.353	57.7858	ppb	3.6323	6.3	88.6597
Sb 206.834	53.0569	ppb	6.0767	11.5	40.6048
Se 196.026	121.548	ppb	5.9873	4.9	55.9752
Sn 189.925	227.385	ppb	1.7757	0.8	154.672
Sr 216.596	115.158	ppb	0.7409	0.6	994.838
Ti 334.941	105.168	ppb	0.5636	0.5	23401.8
Tl 190.794	46.3442	ppb	2.0528	4.4	36.8600
V 292.401	108.622	ppb	0.4891	0.5	2712.56
Zn 206.200	122.876	ppb	1.8165	1.5	186.461

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

460-53091-d-9-g msd (Samp) **3/31/2013, 3:02:06 AM** **Rack 4, Tube 11****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	21.3206	21.9095	21.6947
Al 308.215	5566.41	5551.15	5529.40
As 188.980	117.866	108.669	114.454
B 249.678	234.831	234.281	235.179
Ba 389.178	105.978	104.552	103.544
Be 313.042	56.8522	56.6465	56.5157
Ca 370.602	5611	5585	5561
Cd 226.502	62.0933	61.2726	61.6362
Co 228.615	59.3282	58.8987	59.3420
Cr 267.716	116.318	115.749	114.451
Cu 324.754	106.453	104.170	105.190
Fe 271.441	5699.66	5677.84	5685.28
K 766.491	5776.64	5775.18	5778.15
Mg 279.078	6172.14	6155.36	6134.52
Mn 257.610	572.231	571.204	568.757
Mo 202.032	108.695	108.833	108.769
Na 330.237	5781.35	5931.09	5560.54
Ni 231.604	119.883	117.761	118.126
Pb 220.353	57.0566	59.8282	56.5686
Sb 206.834	48.8377	47.9267	56.6535
Se 196.026	114.459	126.186	129.115
Sn 189.925	233.895	230.898	223.531
Sr 216.596	116.769	116.364	115.178
Ti 334.941	105.753	105.294	105.349
Tl 190.794	53.4191	45.0388	45.0802
V 292.401	108.865	109.680	109.041
Zn 206.200	126.584	123.684	123.146

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.6416	ppb	0.2981	1.4	1302.84
Al 308.215	5548.99	ppb	18.5983	0.3	25447.3
As 188.980	113.663	ppb	4.6493	4.1	74.9186
B 249.678	234.764	ppb	0.4529	0.2	2442.93
Ba 389.178	104.691	ppb	1.2231	1.2	2131.87
Be 313.042	56.6715	ppb	0.1697	0.3	106533
Ca 370.602	5586	ppb	24.93	0.4	15507
Cd 226.502	61.6673	ppb	0.4112	0.7	2097.22
Co 228.615	59.1896	ppb	0.2521	0.4	639.193
Cr 267.716	115.506	ppb	0.9569	0.8	4527.50
Cu 324.754	105.271	ppb	1.1439	1.1	4715.09
Fe 271.441	5687.59	ppb	11.0892	0.2	9027.46
K 766.491	5776.65	ppb	1.4852	0.0	244207
Mg 279.078	6154.01	ppb	18.8452	0.3	12314.0
Mn 257.610	570.731	ppb	1.7843	0.3	122139
Mo 202.032	108.766	ppb	0.0693	0.1	642.269
Na 330.237	5757.66	ppb	186.404	3.2	276.931
Ni 231.604	118.590	ppb	1.1347	1.0	289.442
Pb 220.353	57.8178	ppb	1.7581	3.0	88.7057
Sb 206.834	51.1393	ppb	4.7971	9.4	39.1795
Se 196.026	123.253	ppb	7.7553	6.3	56.7694
Sn 189.925	229.442	ppb	5.3333	2.3	156.082
Sr 216.596	116.104	ppb	0.8268	0.7	1002.92
Ti 334.941	105.465	ppb	0.2504	0.2	23468.1
Tl 190.794	47.8460	ppb	4.8265	10.1	38.1901
V 292.401	109.195	ppb	0.4291	0.4	2726.87
Zn 206.200	124.472	ppb	1.8490	1.5	188.858

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

X (Samp) **3/31/2013, 3:07:34 AM** **Rack 4, Tube 12**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	9.5467	11.1901	11.3665
Al 308.215	235.644	232.497	229.358
As 188.980	7.9019	30.6946	23.8992
B 249.678	112.484	110.639	111.424
Ba 389.178	9.1751	8.0559	9.4244
Be 313.042	4.5578	4.5714	4.5393
Ca 370.602	566.7	669.6	565.4
Cd 226.502	6.0581	5.6671	5.9801
Co 228.615	11.8505	12.4035	12.0070
Cr 267.716	11.1708	11.2907	11.4146
Cu 324.754	21.7794	46.0116	21.1436
Fe 271.441	51.3676	56.8891	45.1207
K 766.491	1131.13	1131.14	1126.89
Mg 279.078	630.525	623.984	621.194
Mn 257.610	11.6087	12.9134	11.6428
Mo 202.032	10.4362	10.8544	10.1935
Na 330.237	1294.67	1069.76	855.456
Ni 231.604	47.8021	46.3705	46.1680
Pb 220.353	10.3148	14.4782	7.9806
Sb 206.834	26.7729	35.9890	29.6477
Se 196.026	37.5578	30.7123	16.8558
Sn 189.925	57.7858	54.4408	58.1166
Sr 216.596	13.1440	11.8816	11.6592
Ti 334.941	10.3742	10.3749	10.3419
Tl 190.794	21.5039	27.4119	23.5270
V 292.401	10.7789	11.3799	10.9047
Zn 206.200	25.3829	26.5926	24.4011

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.7011	ppb	1.0036	9.4	606.417
Al 308.215	232.500	ppb	3.1429	1.4	1186.00
As 188.980	20.8319	ppb	11.7019	56.2	14.9477
B 249.678	111.516	ppb	0.9261	0.8	1291.68
Ba 389.178	8.8851	ppb	0.7289	8.2	165.064
Be 313.042	4.5562	ppb	0.0161	0.4	8429.09
Ca 370.602	600.6	ppb	59.82	10.0	1688
Cd 226.502	5.9018	ppb	0.2069	3.5	212.878
Co 228.615	12.0870	ppb	0.2850	2.4	141.856
Cr 267.716	11.2920	ppb	0.1220	1.1	446.393
Cu 324.754	29.6449	ppb	14.1776	47.8	1388.62
Fe 271.441	51.1258	ppb	5.8879	11.5	92.3143
K 766.491	1129.72	ppb	2.4502	0.2	47939.8
Mg 279.078	625.234	ppb	4.7894	0.8	1279.32
Mn 257.610	12.0549	ppb	0.7436	6.2	2648.51
Mo 202.032	10.4947	ppb	0.3343	3.2	75.4957
Na 330.237	1073.30	ppb	219.627	20.5	54.7141
Ni 231.604	46.7802	ppb	0.8908	1.9	115.565
Pb 220.353	10.9246	ppb	3.2915	30.1	20.4633
Sb 206.834	30.8032	ppb	4.7154	15.3	23.8325
Se 196.026	28.3753	ppb	10.5470	37.2	12.4759
Sn 189.925	56.7810	ppb	2.0335	3.6	37.7053
Sr 216.596	12.2283	ppb	0.8008	6.5	114.816
Ti 334.941	10.3637	ppb	0.0188	0.2	2276.79
Tl 190.794	24.1476	ppb	3.0025	12.4	18.0817
V 292.401	11.0212	ppb	0.3170	2.9	282.630
Zn 206.200	25.4589	ppb	1.0977	4.3	40.2555

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/31/2013, 3:13:02 AM Rack 4, Tube 13

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	522.465	516.513	519.032
Al 308.215	5520.88	5491.66	5496.25
As 188.980	570.592	563.206	564.869
B 249.678	650.774	650.289	656.391
Ba 389.178	4741.46	4724.43	4727.35
Be 313.042	517.827	516.455	515.912
Ca 370.602	5475	5437	5442
Cd 226.502	547.344	545.058	543.954
Co 228.615	539.011	537.746	534.972
Cr 267.716	5241.65	5217.00	5207.76
Cu 324.754	4817.76	4829.15	4785.72
Fe 271.441	5578.28	5552.20	5550.20
K 766.491	10945.2	10939.4	10947.2
Mg 279.078	5961.37	5953.89	5935.98
Mn 257.610	5147.28	5132.71	5108.41
Mo 202.032	523.477	522.398	520.254
Na 330.237	8433.62	8436.87	8521.30
Ni 231.604	2746.48	2724.75	2724.35
Pb 220.353	564.390	557.042	556.826
Sb 206.834	1050.45	1053.78	1053.95
Se 196.026	5854.76	5845.99	5842.72
Sn 189.925	5601.44	5557.13	5573.48
Sr 216.596	2716.00	2697.73	2698.66
Ti 334.941	517.902	515.464	515.425
Tl 190.794	5520.18	5462.02	5466.03
V 292.401	5182.23	5167.78	5157.26
Zn 206.200	2861.07	2842.32	2836.38

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	519.337	ppb	2.9878	0.6	32993.9	103.86733
Al 308.215	5502.93	ppb	15.7122	0.3	25209.4	110.05863Q
As 188.980	566.222	ppb	3.8742	0.7	367.382	113.24445Q
B 249.678	652.485	ppb	3.3914	0.5	6362.61	26.09938Q
Ba 389.178	4731.08	ppb	9.1066	0.2	96136.9	94.62157
Be 313.042	516.731	ppb	0.9869	0.2	972473	103.34621
Ca 370.602	5451	ppb	20.77	0.4	15353	109.02696
Cd 226.502	545.452	ppb	1.7290	0.3	18337.8	109.09037
Co 228.615	537.243	ppb	2.0659	0.4	5703.63	107.44859
Cr 267.716	5222.14	ppb	17.5161	0.3	204378	104.44276
Cu 324.754	4810.88	ppb	22.5195	0.5	211470	96.21752
Fe 271.441	5560.23	ppb	15.6660	0.3	8937.23	111.20451Q
K 766.491	10944.0	ppb	4.0823	0.0	462452	109.43950
Mg 279.078	5950.42	ppb	13.0489	0.2	11838.0	119.00830Q
Mn 257.610	5129.47	ppb	19.6414	0.4	1096809	102.58932
Mo 202.032	522.043	ppb	1.6406	0.3	3019.76	104.40855
Na 330.237	8463.93	ppb	49.7094	0.6	385.097	112.85237Q
Ni 231.604	2731.86	ppb	12.6660	0.5	6613.13	109.27435
Pb 220.353	559.419	ppb	4.3061	0.8	820.381	111.88383Q
Sb 206.834	1052.73	ppb	1.9733	0.2	822.829	105.27254
Se 196.026	5847.82	ppb	6.2242	0.1	2720.60	116.95648Q
Sn 189.925	5577.35	ppb	22.4080	0.4	3822.53	111.54694Q
Sr 216.596	2704.13	ppb	10.2893	0.4	23123.6	108.16512
Ti 334.941	516.264	ppb	1.4188	0.3	114917	103.25273
Tl 190.794	5482.74	ppb	32.4814	0.6	4865.97	109.65485
V 292.401	5169.09	ppb	12.5378	0.2	129510	103.38181
Zn 206.200	2846.59	ppb	12.8895	0.5	4267.69	113.86369Q

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/31/2013, 3:18:30 AM Rack 4, Tube 14

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.3532	-0.1460u	-0.8096u
Al 308.215	6.6245	5.0693	4.8974
As 188.980	-4.4031u	-0.3034u	2.5670
B 249.678	-0.0063u	-1.5158u	-3.5975u
Ba 389.178	-2.7777u	0.1640	-1.7070u
Be 313.042	0.0094	-0.0038u	-0.0059u
Ca 370.602	0.1783	-4.408u	-1.411u
Cd 226.502	0.0532	-0.1790u	-0.0551u
Co 228.615	0.0937	-0.5444u	0.2569
Cr 267.716	-0.0623u	-0.4514u	0.1150
Cu 324.754	1.2029	0.4403	-1.0546u
Fe 271.441	-2.4641u	-11.7084u	-10.7186u
K 766.491	-0.6254u	-1.1266u	-0.9126u
Mg 279.078	3.5538	3.3634	6.4358
Mn 257.610	-0.0897u	-0.0987u	-0.0539u
Mo 202.032	0.2283	1.3124	0.6350
Na 330.237	243.188	-68.6619u	-18.2957u
Ni 231.604	1.6854	-2.2090u	-1.5405u
Pb 220.353	-7.6490u	-0.7935u	1.7580
Sb 206.834	8.9649	-0.6410u	-1.2316u
Se 196.026	1.9306	-4.3338u	1.6055
Sn 189.925	1.6310	3.4739	2.4604
Sr 216.596	0.2451	-0.2953u	0.8098
Ti 334.941	-0.1412u	-0.1548u	-0.1733u
Tl 190.794	6.6043	-1.9636u	11.1133
V 292.401	-0.4877u	0.0797	0.2105
Zn 206.200	0.2493	-0.0813u	1.7448

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2008	ppb	0.5833	290.5	-88.6359	-0.20079
Al 308.215	5.5304	ppb	0.9514	17.2	149.773	5.53041
As 188.980	-0.7132	ppb	3.5031	491.2	1.0170	-0.71317
B 249.678	-1.7065	ppb	1.8032	105.7	229.338	-1.70654
Ba 389.178	-1.4402	ppb	1.4889	103.4	-46.2926	-1.44022
Be 313.042	-0.0001	ppb	0.0083	6475.5	-147.531	-0.00013
Ca 370.602	-1.880	ppb	2.329	123.9	-24.80	-1.88024
Cd 226.502	-0.0603	ppb	0.1162	192.7	12.5813	-0.06031
Co 228.615	-0.0646	ppb	0.4234	655.7	13.3946	-0.06458
Cr 267.716	-0.1329	ppb	0.2897	218.0	-0.7436	-0.13291
Cu 324.754	0.1962	ppb	1.1484	585.3	94.3342	0.19619
Fe 271.441	-8.2970	ppb	5.0757	61.2	-3.4948	-8.29704
K 766.491	-0.8882	ppb	0.2515	28.3	187.611	-0.88821
Mg 279.078	4.4510	ppb	1.7215	38.7	39.5355	4.45096
Mn 257.610	-0.0808	ppb	0.0237	29.3	50.3318	-0.08076
Mo 202.032	0.7252	ppb	0.5477	75.5	19.1331	0.72523
Na 330.237	52.0768	ppb	167.412	321.5	5.8940	52.07680
Ni 231.604	-0.6880	ppb	2.0825	302.7	0.6977	-0.68804
Pb 220.353	-2.2282	ppb	4.8648	218.3	1.2997	-2.22818
Sb 206.834	2.3641	ppb	5.7241	242.1	2.6066	2.36411
Se 196.026	-0.2659	ppb	3.5266	1326.4	-0.8496	-0.26588
Sn 189.925	2.5218	ppb	0.9230	36.6	0.5054	2.52179
Sr 216.596	0.2532	ppb	0.5526	218.2	13.0763	0.25319
Ti 334.941	-0.1564	ppb	0.0161	10.3	-67.3228	-0.15644
Tl 190.794	5.2513	ppb	6.6426	126.5	1.2961	5.25131
V 292.401	-0.0659	ppb	0.3712	563.6	6.2787	-0.06586
Zn 206.200	0.6376	ppb	0.9730	152.6	2.9589	0.63759

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

mb 680-270919/1-a (Samp) 3/31/2013, 3:23:58 AM Rack 4, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.7769	-0.2660u	-1.0205u
Al 308.215	18.6546	23.3224	23.6195
As 188.980	-5.9065u	-7.3352u	-4.0588u
B 249.678	-13.5735u	-13.2605u	-14.0338u
Ba 389.178	-1.1514u	-0.5167u	-0.5753u
Be 313.042	-0.0111u	-0.0093u	-0.0166u
Ca 370.602	20.21	23.62	23.01
Cd 226.502	0.2833	-0.3013u	-0.1209u
Co 228.615	-0.7333u	0.3401	-0.2773u
Cr 267.716	0.3773	0.0984	0.3523
Cu 324.754	-0.5990u	-0.8287u	1.1444
Fe 271.441	39.5974	40.0897	28.5347
K 766.491	10.5702	10.8375	11.5405
Mg 279.078	10.1184	14.4714	6.6948
Mn 257.610	0.6018	0.6033	0.5656
Mo 202.032	0.4797	0.3016	0.3775
Na 330.237	-171.874u	-51.8113u	21.3375
Ni 231.604	0.8357	-0.0052u	-1.5150u
Pb 220.353	2.2299	0.4739	-2.1728u
Sb 206.834	-2.3047u	-1.4671u	-10.6486u
Se 196.026	5.2544	8.8566	5.3762
Sn 189.925	15.6322	14.9882	9.3699
Sr 216.596	0.5124	-0.0010u	0.0609
Ti 334.941	0.2276	0.3328	0.2311
Tl 190.794	3.5794	-1.4568u	3.7229
V 292.401	-0.6784u	-0.7826u	0.0446
Zn 206.200	1.6889	1.8435	0.7112

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1699	ppb	0.9025	531.2	-86.6741
Al 308.215	21.8655	ppb	2.7847	12.7	224.258
As 188.980	-5.7668	ppb	1.6427	28.5	-2.2503
B 249.678	-13.6226	ppb	0.3890	2.9	117.486
Ba 389.178	-0.7478	ppb	0.3508	46.9	-32.1610
Be 313.042	-0.0123	ppb	0.0038	30.9	-170.378
Ca 370.602	22.28	ppb	1.822	8.2	40.95
Cd 226.502	-0.0463	ppb	0.2993	646.2	13.1459
Co 228.615	-0.2235	ppb	0.5387	241.0	11.7259
Cr 267.716	0.2760	ppb	0.1543	55.9	15.2738
Cu 324.754	-0.0945	ppb	1.0790	1142.4	81.5683
Fe 271.441	36.0739	ppb	6.5338	18.1	66.7694
K 766.491	10.9828	ppb	0.5012	4.6	688.991
Mg 279.078	10.4282	ppb	3.8975	37.4	51.4678
Mn 257.610	0.5902	ppb	0.0213	3.6	193.932
Mo 202.032	0.3863	ppb	0.0894	23.1	17.1757
Na 330.237	-67.4491	ppb	97.5501	144.6	0.1287
Ni 231.604	-0.2282	ppb	1.1911	522.1	1.8114
Pb 220.353	0.1770	ppb	2.2163	1252.2	4.8080
Sb 206.834	-4.8068	ppb	5.0765	105.6	-2.7316
Se 196.026	6.4957	ppb	2.0454	31.5	2.2959
Sn 189.925	13.3301	ppb	3.4447	25.8	7.9154
Sr 216.596	0.1908	ppb	0.2803	146.9	12.5693
Ti 334.941	0.2638	ppb	0.0598	22.7	26.2679
Tl 190.794	1.9485	ppb	2.9500	151.4	-1.6429
V 292.401	-0.4721	ppb	0.4505	95.4	-3.8801
Zn 206.200	1.4145	ppb	0.6140	43.4	41.1264

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-270919/2-a (Samp) 3/31/2013, 3:29:26 AM Rack 4, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	15.2151	13.9610	13.3751
Al 308.215	5491.50	5497.22	5501.43
As 188.980	110.843	110.036	119.935
B 249.678	218.584	221.231	223.173
Ba 389.178	102.216	103.868	102.704
Be 313.042	56.6387	56.6820	56.7773
Ca 370.602	5553	5552	5542
Cd 226.502	60.6301	60.4333	60.4733
Co 228.615	59.2781	58.9874	59.5418
Cr 267.716	114.758	115.065	114.798
Cu 324.754	108.059	104.680	105.485
Fe 271.441	5670.28	5669.11	5663.77
K 766.491	5487.53	5505.38	5527.36
Mg 279.078	6059.45	6068.75	6072.36
Mn 257.610	569.836	569.670	569.354
Mo 202.032	108.727	109.772	108.216
Na 330.237	5223.70	5719.03	5612.04
Ni 231.604	116.674	116.604	118.381
Pb 220.353	62.1353	57.8635	59.8107
Sb 206.834	50.6357	53.1390	62.9920
Se 196.026	122.163	118.768	115.267
Sn 189.925	241.551	241.535	236.550
Sr 216.596	115.482	114.444	115.733
Ti 334.941	105.738	105.889	105.772
Tl 190.794	44.0540	48.3177	41.4793
V 292.401	107.616	108.208	108.135
Zn 206.200	119.124	125.106	125.683

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.1837	ppb	0.9400	6.6	827.136
Al 308.215	5496.72	ppb	4.9817	0.1	25208.9
As 188.980	113.605	ppb	5.4972	4.8	74.8811
B 249.678	220.996	ppb	2.3036	1.0	2313.75
Ba 389.178	102.929	ppb	0.8486	0.8	2095.83
Be 313.042	56.6993	ppb	0.0709	0.1	106585
Ca 370.602	5549	ppb	5.900	0.1	15403
Cd 226.502	60.5122	ppb	0.1040	0.2	2058.41
Co 228.615	59.2691	ppb	0.2773	0.5	640.036
Cr 267.716	114.874	ppb	0.1668	0.1	4502.78
Cu 324.754	106.075	ppb	1.7650	1.7	4750.38
Fe 271.441	5667.72	ppb	3.4707	0.1	8995.86
K 766.491	5506.76	ppb	19.9475	0.4	232807
Mg 279.078	6066.85	ppb	6.6607	0.1	12140.0
Mn 257.610	569.620	ppb	0.2450	0.0	121901
Mo 202.032	108.905	ppb	0.7928	0.7	643.077
Na 330.237	5518.26	ppb	260.643	4.7	265.436
Ni 231.604	117.219	ppb	1.0066	0.9	286.125
Pb 220.353	59.9365	ppb	2.1387	3.6	91.7975
Sb 206.834	55.5889	ppb	6.5323	11.8	42.4972
Se 196.026	118.733	ppb	3.4478	2.9	54.6663
Sn 189.925	239.879	ppb	2.8829	1.2	163.237
Sr 216.596	115.220	ppb	0.6835	0.6	995.365
Ti 334.941	105.799	ppb	0.0791	0.1	23542.1
Tl 190.794	44.6170	ppb	3.4538	7.7	35.3207
V 292.401	107.986	ppb	0.3228	0.3	2696.58
Zn 206.200	123.304	ppb	3.6215	2.9	187.104

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

lcs 680-270919/3-a (Samp) 3/31/2013, 3:34:54 AM Rack 4, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	225.207	225.448	227.897
Al 308.215	2292.27	2286.64	2286.14
As 188.980	249.396	246.196	252.632
B 249.678	478.149	483.732	487.093
Ba 389.178	203.751	203.931	203.203
Be 313.042	234.237	234.047	234.997
Ca 370.602	22804	22756	22809
Cd 226.502	242.187	242.070	241.930
Co 228.615	235.486	237.782	240.108
Cr 267.716	231.649	231.394	231.535
Cu 324.754	217.562	218.507	220.172
Fe 271.441	23963.8	23919.3	24022.7
K 766.491	22700.1	22758.7	22914.1
Mg 279.078	25134.9	25107.4	25165.5
Mn 257.610	2324.90	2324.89	2328.73
Mo 202.032	220.445	221.437	219.752
Na 330.237	20707.0	20944.5	21017.2
Ni 231.604	235.395	236.409	234.429
Pb 220.353	230.903	228.467	227.261
Sb 206.834	211.917	222.113	223.001
Se 196.026	244.471	246.424	256.208
Sn 189.925	241.582	244.789	247.128
Sr 216.596	247.805	244.532	243.961
Ti 334.941	215.189	214.946	215.228
Tl 190.794	51.9371	47.8357	52.5410
V 292.401	218.333	218.093	218.863
Zn 206.200	237.165	235.991	239.582

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	226.184	ppb	1.4886	0.7	14352.7
Al 308.215	2288.35	ppb	3.4037	0.1	10583.6
As 188.980	249.408	ppb	3.2177	1.3	162.602
B 249.678	482.991	ppb	4.5180	0.9	4755.12
Ba 389.178	203.628	ppb	0.3792	0.2	4209.00
Be 313.042	234.427	ppb	0.5031	0.2	441187
Ca 370.602	22789	ppb	29.26	0.1	63231
Cd 226.502	242.062	ppb	0.1288	0.1	8193.08
Co 228.615	237.792	ppb	2.3110	1.0	2527.00
Cr 267.716	231.526	ppb	0.1279	0.1	9076.44
Cu 324.754	218.747	ppb	1.3218	0.6	9708.32
Fe 271.441	23968.6	ppb	51.8860	0.2	38008.4
K 766.491	22791.0	ppb	110.631	0.5	962820
Mg 279.078	25136.0	ppb	29.0592	0.1	50207.9
Mn 257.610	2326.17	ppb	2.2134	0.1	497606
Mo 202.032	220.545	ppb	0.8470	0.4	1286.48
Na 330.237	20889.6	ppb	162.196	0.8	997.602
Ni 231.604	235.411	ppb	0.9900	0.4	572.477
Pb 220.353	228.877	ppb	1.8552	0.8	338.363
Sb 206.834	219.010	ppb	6.1589	2.8	165.446
Se 196.026	249.034	ppb	6.2887	2.5	115.786
Sn 189.925	244.500	ppb	2.7840	1.1	166.416
Sr 216.596	245.433	ppb	2.0746	0.8	2113.17
Ti 334.941	215.121	ppb	0.1528	0.1	47947.9
Tl 190.794	50.7713	ppb	2.5601	5.0	37.7520
V 292.401	218.430	ppb	0.3943	0.2	5446.58
Zn 206.200	237.579	ppb	1.8211	0.8	258.623

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-19-b (Samp) **3/31/2013, 3:40:21 AM** **Rack 4, Tube 18****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8635u	-0.8043u	-1.4262u
Al 308.215	108715	107440	107890
As 188.980	27.2474	26.2603	25.7337
B 249.678	-3.3147u	-3.4971u	-5.1219u
Ba 389.178	219.666	216.299	216.017
Be 313.042	1.9453	1.9308	1.9434
Ca 370.602	7540	7499	7493
Cd 226.502	-1.3523	-1.8396	-1.7163
Co 228.615	13.0276	14.2568	15.0322
Cr 267.716	155.030	152.560	153.255
Cu 324.754	59.1103	58.8653	59.7269
Fe 271.441	160834	158844	159623
K 766.491	3406.80	3376.49	3404.72
Mg 279.078	3606.98	3552.82	3576.25
Mn 257.610	463.492	458.079	459.054
Mo 202.032	5.9704	6.1495	6.4430
Na 330.237	235.398u	205.003u	300.284u
Ni 231.604	51.0810	50.1989	47.1343
Pb 220.353	212.798	210.081	210.565
Sb 206.834	-1.3740	-2.5631	-4.4426
Se 196.026	-0.9647	1.0921	7.9554
Sn 189.925	22.8808	14.9769	20.8194
Sr 216.596	22.4100	20.9645	22.3072
Ti 334.941	1221.11	1206.38	1211.78
Tl 190.794	-2.6516u	4.7567u	-6.5277u
V 292.401	389.255	385.587	387.150
Zn 206.200	111.760	106.893	110.822

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0313	ppb	0.3432	33.3	-138.824
Al 308.215	108015	ppb	646.640	0.6	492849
As 188.980	26.4138	ppb	0.7684	2.9	16.9315
B 249.678	-3.9779	ppb	0.9949	25.0	59.4708
Ba 389.178	217.327	ppb	2.0301	0.9	4604.84
Be 313.042	1.9398	ppb	0.0078	0.4	3499.93
Ca 370.602	7510	ppb	25.45	0.3	10023
Cd 226.502	-1.6361	ppb	0.2533	15.5	307.045
Co 228.615	14.1055	ppb	1.0108	7.2	187.145
Cr 267.716	153.615	ppb	1.2735	0.8	6048.95
Cu 324.754	59.2342	ppb	0.4439	0.7	2726.79
Fe 271.441	159767	ppb	1002.53	0.6	253066
K 766.491	3396.00	ppb	16.9313	0.5	143658
Mg 279.078	3578.68	ppb	27.1635	0.8	7168.54
Mn 257.610	460.208	ppb	2.8849	0.6	98882.9
Mo 202.032	6.1876	ppb	0.2386	3.9	43.7381
Na 330.237	246.895	ppb	48.6702	19.7	-38.6713
Ni 231.604	49.4714	ppb	2.0714	4.2	125.148
Pb 220.353	211.148	ppb	1.4492	0.7	310.296
Sb 206.834	-2.7932	ppb	1.5472	55.4	2.5519
Se 196.026	2.6943	ppb	4.6709	173.4	1.5100
Sn 189.925	19.5590	ppb	4.0999	21.0	12.1856
Sr 216.596	21.8939	ppb	0.8065	3.7	249.971
Ti 334.941	1213.09	ppb	7.4550	0.6	270050
Tl 190.794	-1.4742	ppb	5.7336	388.9	-12.3537
V 292.401	387.331	ppb	1.8406	0.5	9747.54
Zn 206.200	109.825	ppb	2.5821	2.4	166.715

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-20-b (Samp) **3/31/2013, 3:45:49 AM** **Rack 4, Tube 19****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.5218u	-1.6426u	-4.2004u
Al 308.215	94355.9	94484.7	94546.5
As 188.980	35.8061	37.9364	34.6926
B 249.678	-12.1561u	-11.5170u	-14.7765u
Ba 389.178	1605.47	1602.58	1606.14
Be 313.042	7.5174	7.5211	7.5158
Ca 370.602	9586	9581	9568
Cd 226.502	-0.7603	-1.1289	-0.8529
Co 228.615	72.3355	71.2658	70.6263
Cr 267.716	118.315	117.984	118.676
Cu 324.754	86.3864	88.1846	85.4201
Fe 271.441	108512	108719	108841
K 766.491	3228.59	3238.61	3249.32
Mg 279.078	4748.66	4754.17	4745.52
Mn 257.610	21506.8	21499.0	21558.2
Mo 202.032	4.9481	5.9701	4.2204
Na 330.237	228.933u	522.242u	567.578u
Ni 231.604	51.9341	49.8450	49.7347
Pb 220.353	2232.07	2216.94	2220.42
Sb 206.834	-0.4583	-1.2407	0.9944
Se 196.026	-2.9915	1.9932	9.4813
Sn 189.925	39.7775	35.7958	31.6442
Sr 216.596	52.1030	51.0829	51.5195
Ti 334.941	1114.65	1117.03	1115.87
Tl 190.794	65.3025	54.9619	51.0404
V 292.401	197.351	197.409	198.043
Zn 206.200	211.098	210.497	211.878

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.7883	ppb	1.2996	46.6	-170.800
Al 308.215	94462.3	ppb	97.2612	0.1	431029
As 188.980	36.1451	ppb	1.6482	4.6	23.7821
B 249.678	-12.8165	ppb	1.7272	13.5	24.0601
Ba 389.178	1604.73	ppb	1.8949	0.1	32731.4
Be 313.042	7.5181	ppb	0.0027	0.0	14002.9
Ca 370.602	9578	ppb	8.955	0.1	20120
Cd 226.502	-0.9140	ppb	0.1917	21.0	220.215
Co 228.615	71.4092	ppb	0.8635	1.2	792.445
Cr 267.716	118.325	ppb	0.3461	0.3	4733.50
Cu 324.754	86.6637	ppb	1.4030	1.6	3920.63
Fe 271.441	108691	ppb	166.085	0.2	172174
K 766.491	3238.84	ppb	10.3658	0.3	137020
Mg 279.078	4749.45	ppb	4.3784	0.1	9181.76
Mn 257.610	21521.3	ppb	32.1588	0.1	4601691
Mo 202.032	5.0462	ppb	0.8789	17.4	39.4636
Na 330.237	439.585	ppb	183.833	41.8	-15.2131
Ni 231.604	50.5046	ppb	1.2392	2.5	126.672
Pb 220.353	2223.14	ppb	7.9206	0.4	3249.21
Sb 206.834	-0.2349	ppb	1.1342	482.9	3.3858
Se 196.026	2.8277	ppb	6.2781	222.0	6.2021
Sn 189.925	35.7392	ppb	4.0670	11.4	23.2802
Sr 216.596	51.5685	ppb	0.5118	1.0	487.784
Ti 334.941	1115.85	ppb	1.1900	0.1	248401
Tl 190.794	57.1016	ppb	7.3679	12.9	14.4644
V 292.401	197.601	ppb	0.3838	0.2	4981.08
Zn 206.200	211.158	ppb	0.6926	0.3	219.221

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-21-b (Samp) 3/31/2013, 3:51:17 AM Rack 4, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-2.5188u	-1.7474u	-2.3900u
Al 308.215	118439	117345	117112
As 188.980	53.4045	43.4649	40.9930
B 249.678	-21.2172u	-18.2863u	-18.2963u
Ba 389.178	301.556	298.400	297.066
Be 313.042	3.6063	3.5934	3.5999
Ca 370.602	4466	4493	4481
Cd 226.502	-1.6895	-1.6671	-1.5886
Co 228.615	41.8104	41.3633	40.8700
Cr 267.716	197.567	195.680	194.547
Cu 324.754	51.6421	53.2020	53.4052
Fe 271.441	174857	173642	173641
K 766.491	3834.51	3823.30	3828.64
Mg 279.078	4322.08	4299.73	4279.91
Mn 257.610	1434.30	1423.28	1421.10
Mo 202.032	4.7851	4.4082	5.2213
Na 330.237	-28.3309u	546.710u	310.377u
Ni 231.604	54.9350	53.1727	49.0985
Pb 220.353	113.681	98.7410	102.325
Sb 206.834	-9.4255u	-4.0344	5.4297
Se 196.026	2.9930	14.7745	2.6505
Sn 189.925	22.3121	28.2404	23.4988
Sr 216.596	22.6360	22.8782	23.2820
Ti 334.941	1557.46	1545.55	1546.32
Tl 190.794	-2.9573u	1.9429u	-5.1956u
V 292.401	344.487	341.340	342.660
Zn 206.200	152.771	148.771	152.092

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2187	ppb	0.4132	18.6	-211.095
Al 308.215	117632	ppb	708.614	0.6	536719
As 188.980	45.9541	ppb	6.5696	14.3	29.3886
B 249.678	-19.2666	ppb	1.6893	8.8	-97.2149
Ba 389.178	299.007	ppb	2.3056	0.8	6283.47
Be 313.042	3.5999	ppb	0.0065	0.2	6626.61
Ca 370.602	4480	ppb	13.80	0.3	444.8
Cd 226.502	-1.6484	ppb	0.0530	3.2	337.561
Co 228.615	41.3479	ppb	0.4704	1.1	482.959
Cr 267.716	195.932	ppb	1.5257	0.8	7712.33
Cu 324.754	52.7498	ppb	0.9646	1.8	2445.88
Fe 271.441	174047	ppb	701.982	0.4	275687
K 766.491	3828.82	ppb	5.6076	0.1	161938
Mg 279.078	4300.58	ppb	21.0978	0.5	8595.46
Mn 257.610	1426.23	ppb	7.0772	0.5	305461
Mo 202.032	4.8049	ppb	0.4069	8.5	35.2609
Na 330.237	276.252	ppb	289.035	104.6	-43.9418
Ni 231.604	52.4020	ppb	2.9936	5.7	132.513
Pb 220.353	104.916	ppb	7.7995	7.4	155.209
Sb 206.834	-2.6767	ppb	7.5201	280.9	3.2175
Se 196.026	6.8060	ppb	6.9031	101.4	3.7257
Sn 189.925	24.6838	ppb	3.1368	12.7	15.6978
Sr 216.596	22.9321	ppb	0.3263	1.4	263.230
Ti 334.941	1549.78	ppb	6.6634	0.4	345005
Tl 190.794	-2.0700	ppb	3.6510	176.4	-14.7978
V 292.401	342.829	ppb	1.5806	0.5	8631.93
Zn 206.200	151.211	ppb	2.1405	1.4	228.831

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-22-b (Samp) 3/31/2013, 3:56:45 AM Rack 4, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.5930	-1.1527u	-0.1848u
Al 308.215	75966.3	75513.3	75589.7
As 188.980	8.2680	7.7917	11.6590
B 249.678	-22.4773u	-20.4716u	-21.1869u
Ba 389.178	80.2029	81.7549	80.7801
Be 313.042	1.7695	1.7553	1.7552
Ca 370.602	3805	3800	3823
Cd 226.502	-1.5385	-1.3011	-0.8904
Co 228.615	6.6154	7.3115	6.9412
Cr 267.716	98.0035	97.8508	97.0859
Cu 324.754	42.1872	40.9074	40.6202
Fe 271.441	115903	115282	115634
K 766.491	1588.09	1583.19	1590.21
Mg 279.078	2095.14	2080.17	2093.74
Mn 257.610	288.354	286.669	286.958
Mo 202.032	3.4832	2.2292	3.3415
Na 330.237	418.931u	326.459u	137.436u
Ni 231.604	20.8943	20.1830	19.8783
Pb 220.353	43.8357	49.0544	43.2276
Sb 206.834	0.4169	-10.0750u	4.7966
Se 196.026	-4.9458u	5.6073	19.7656
Sn 189.925	18.8209	20.3663	15.2607
Sr 216.596	13.2781	13.1029	13.4161
Ti 334.941	801.465	795.165	795.698
Tl 190.794	-1.8553u	-3.9506u	-1.6409u
V 292.401	214.862	214.030	213.536
Zn 206.200	53.6536	54.4269	54.5835

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2482	ppb	0.8746	352.4	-90.0849
Al 308.215	75689.7	ppb	242.507	0.3	345394
As 188.980	9.2396	ppb	2.1088	22.8	6.2642
B 249.678	-21.3786	ppb	1.0165	4.8	-62.6935
Ba 389.178	80.9126	ppb	0.7845	1.0	1774.90
Be 313.042	1.7600	ppb	0.0082	0.5	3164.71
Ca 370.602	3810	ppb	12.26	0.3	2611
Cd 226.502	-1.2433	ppb	0.3279	26.4	224.086
Co 228.615	6.9560	ppb	0.3483	5.0	103.131
Cr 267.716	97.6467	ppb	0.4917	0.5	3849.70
Cu 324.754	41.2383	ppb	0.8343	2.0	1925.98
Fe 271.441	115606	ppb	311.394	0.3	183118
K 766.491	1587.16	ppb	3.6003	0.2	67260.3
Mg 279.078	2089.68	ppb	8.2686	0.4	4198.53
Mn 257.610	287.327	ppb	0.9012	0.3	61801.0
Mo 202.032	3.0180	ppb	0.6868	22.8	27.4601
Na 330.237	294.275	ppb	143.481	48.8	-20.7433
Ni 231.604	20.3186	ppb	0.5214	2.6	53.7514
Pb 220.353	45.3726	ppb	3.2030	7.1	69.1843
Sb 206.834	-1.6205	ppb	7.6423	471.6	2.3019
Se 196.026	6.8090	ppb	12.3995	182.1	3.1414
Sn 189.925	18.1493	ppb	2.6182	14.4	11.2187
Sr 216.596	13.2657	ppb	0.1569	1.2	161.948
Ti 334.941	797.443	ppb	3.4934	0.4	177510
Tl 190.794	-2.4822	ppb	1.2761	51.4	-11.0979
V 292.401	214.143	ppb	0.6698	0.3	5393.84
Zn 206.200	54.2213	ppb	0.4979	0.9	82.2543

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-23-b (Samp) **3/31/2013, 4:02:13 AM** **Rack 4, Tube 22****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.4741u	-3.7747u	-3.1714u
Al 308.215	98138.8	97629.3	96859.7
As 188.980	34.4099	39.4558	33.5983
B 249.678	-17.8649u	-17.2237u	-18.1834u
Ba 389.178	1593.66	1584.38	1579.93
Be 313.042	7.4982	7.4617	7.4196
Ca 370.602	25323	25168	25021
Cd 226.502	-1.1992	-1.0179	-1.1196
Co 228.615	66.7187	67.8049	65.3768
Cr 267.716	160.810	160.540	159.106
Cu 324.754	70.3841	68.1998	68.6287
Fe 271.441	119181	118504	118356
K 766.491	3489.99	3475.84	3469.36
Mg 279.078	5433.65	5398.01	5374.45
Mn 257.610	17003.3	16889.7	16825.7
Mo 202.032	8.6114	7.6595	9.0947
Na 330.237	698.595u	232.033u	230.925u
Ni 231.604	49.7788	51.5963	46.2944
Pb 220.353	410.570	408.178	398.442
Sb 206.834	-3.6782	-4.7866u	-0.0981
Se 196.026	-2.1643	8.4227	-0.6858
Sn 189.925	29.2413	19.9979	25.4269
Sr 216.596	60.8585	60.9448	58.5147
Ti 334.941	1158.14	1151.91	1143.34
Tl 190.794	33.9470	45.1366	38.7533
V 292.401	227.608	226.378	226.031
Zn 206.200	158.288	159.100	156.430

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.4734	ppb	0.3016	8.7	-232.795
Al 308.215	97542.6	ppb	643.930	0.7	445080
As 188.980	35.8213	ppb	3.1736	8.9	23.6007
B 249.678	-17.7573	ppb	0.4888	2.8	-31.5869
Ba 389.178	1585.99	ppb	7.0094	0.4	32364.6
Be 313.042	7.4598	ppb	0.0393	0.5	13898.8
Ca 370.602	25171	ppb	150.9	0.6	63688
Cd 226.502	-1.1122	ppb	0.0909	8.2	235.253
Co 228.615	66.6335	ppb	1.2163	1.8	742.522
Cr 267.716	160.152	ppb	0.9160	0.6	6356.10
Cu 324.754	69.0709	ppb	1.1573	1.7	3149.91
Fe 271.441	118680	ppb	439.743	0.4	187996
K 766.491	3478.40	ppb	10.5468	0.3	147138
Mg 279.078	5402.04	ppb	29.8057	0.6	10556.4
Mn 257.610	16906.2	ppb	89.9551	0.5	3614996
Mo 202.032	8.4552	ppb	0.7302	8.6	58.6979
Na 330.237	387.184	ppb	269.690	69.7	-20.4000
Ni 231.604	49.2231	ppb	2.6943	5.5	123.762
Pb 220.353	405.730	ppb	6.4239	1.6	597.413
Sb 206.834	-2.8543	ppb	2.4504	85.9	1.8752
Se 196.026	1.8576	ppb	5.7335	308.7	4.7297
Sn 189.925	24.8887	ppb	4.6452	18.7	15.8463
Sr 216.596	60.1060	ppb	1.3788	2.3	565.300
Ti 334.941	1151.13	ppb	7.4288	0.6	256259
Tl 190.794	39.2790	ppb	5.6133	14.3	4.2059
V 292.401	226.672	ppb	0.8286	0.4	5709.08
Zn 206.200	157.940	ppb	1.3688	0.8	239.058

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-24-b (Samp) **3/31/2013, 4:07:41 AM** **Rack 4, Tube 23****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.5863u	-4.2220u	-2.7702u
Al 308.215	122734	123585	121948
As 188.980	48.7947	45.8177	39.8579
B 249.678	-19.1034u	-20.7155u	-19.6479u
Ba 389.178	362.982	362.839	365.180
Be 313.042	4.5991	4.6028	4.6288
Ca 370.602	7272	7265	7297
Cd 226.502	-1.5072	-1.8123	-1.4725
Co 228.615	52.0203	51.0910	51.3954
Cr 267.716	157.767	156.408	157.222
Cu 324.754	57.3501	57.0005	56.4264
Fe 271.441	162822	162499	163726
K 766.491	4393.41	4386.76	4418.10
Mg 279.078	5094.86	5060.21	5089.77
Mn 257.610	2509.27	2500.28	2517.30
Mo 202.032	5.1505	4.1000	4.2428
Na 330.237	818.471u	218.813u	360.604u
Ni 231.604	54.6365	60.9586	61.0523
Pb 220.353	117.603	117.001	122.300
Sb 206.834	-9.0691u	0.7073	2.3566
Se 196.026	-13.8379u	5.5619	-3.1238
Sn 189.925	17.1461	24.2582	22.8568
Sr 216.596	34.7984	34.0053	34.0613
Ti 334.941	1595.96	1585.34	1591.18
Tl 190.794	1.9930u	2.9293u	-2.7907u
V 292.401	329.070	327.562	330.855
Zn 206.200	146.597	151.035	151.158

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.1928	ppb	0.8960	28.1	-269.462
Al 308.215	122756	ppb	818.481	0.7	560093
As 188.980	44.8234	ppb	4.5506	10.2	28.7986
B 249.678	-19.8223	ppb	0.8201	4.1	-92.1320
Ba 389.178	363.667	ppb	1.3120	0.4	7585.22
Be 313.042	4.6102	ppb	0.0162	0.4	8530.66
Ca 370.602	7278	ppb	16.94	0.2	9249
Cd 226.502	-1.5973	ppb	0.1870	11.7	315.215
Co 228.615	51.5022	ppb	0.4738	0.9	591.664
Cr 267.716	157.132	ppb	0.6840	0.4	6195.63
Cu 324.754	56.9256	ppb	0.4664	0.8	2626.64
Fe 271.441	163016	ppb	636.087	0.4	258217
K 766.491	4399.43	ppb	16.5131	0.4	186039
Mg 279.078	5081.61	ppb	18.7082	0.4	10135.8
Mn 257.610	2508.95	ppb	8.5161	0.3	536925
Mo 202.032	4.4978	ppb	0.5698	12.7	33.9480
Na 330.237	465.963	ppb	313.405	67.3	-32.0565
Ni 231.604	58.8825	ppb	3.6774	6.2	147.986
Pb 220.353	118.968	ppb	2.9010	2.4	175.804
Sb 206.834	-2.0017	ppb	6.1758	308.5	3.2575
Se 196.026	-3.7999	ppb	9.7176	255.7	-1.0158
Sn 189.925	21.4204	ppb	3.7674	17.6	13.4616
Sr 216.596	34.2883	ppb	0.4426	1.3	357.060
Ti 334.941	1590.83	ppb	5.3177	0.3	354146
Tl 190.794	0.7105	ppb	3.0681	431.8	-13.2388
V 292.401	329.162	ppb	1.6487	0.5	8291.36
Zn 206.200	149.597	ppb	2.5985	1.7	226.517

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-25-b (Samp) **3/31/2013, 4:13:09 AM** **Rack 4, Tube 24****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-3.3768u	-1.0558u	-0.1014u
Al 308.215	141416	141321	140314
As 188.980	53.5864	51.4083	43.7824
B 249.678	-51.9623u	-52.1203u	-50.4191u
Ba 389.178	239.188	238.351	237.727
Be 313.042	3.0452	3.0506	3.0382
Ca 370.602	8454u	8538u	8627u
Cd 226.502	-5.7548	-5.8684	-5.0503
Co 228.615	6.5900	7.1167	7.1123
Cr 267.716	459.843	460.049	456.328
Cu 324.754	143.885	147.708	148.431
Fe 271.441	580103	579743	577882
K 766.491	2955.47	2959.29	2958.22
Mg 279.078	4112.68	4101.59	4083.76
Mn 257.610	918.586	916.735	915.295
Mo 202.032	10.0120	9.1233	8.6663
Na 330.237	252.405u	198.878u	262.982u
Ni 231.604	17.2611	19.5415	19.2883
Pb 220.353	81.8958	86.6251	74.4825
Sb 206.834	-6.1334	3.0746	-5.6712
Se 196.026	-8.4988u	7.8554	6.0196
Sn 189.925	32.4681	26.3391	25.1960
Sr 216.596	26.6570	28.2844	25.4762
Ti 334.941	1787.07	1784.55	1769.21
Tl 190.794	-26.8481u	-25.3211u	-33.1718u
V 292.401	1021.47	1021.15	1019.64
Zn 206.200	89.3687	91.1233	86.4027

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5114	ppb	1.6845	111.5	-166.061
Al 308.215	141017	ppb	610.823	0.4	643386
As 188.980	49.5924	ppb	5.1481	10.4	27.4944
B 249.678	-51.5006	ppb	0.9399	1.8	-776.439
Ba 389.178	238.422	ppb	0.7334	0.3	5554.29
Be 313.042	3.0447	ppb	0.0062	0.2	5553.03
Ca 370.602	8540	ppb	86.31	1.0	-17271
Cd 226.502	-5.5578	ppb	0.4432	8.0	1087.15
Co 228.615	6.9396	ppb	0.3028	4.4	112.638
Cr 267.716	458.740	ppb	2.0913	0.5	18069.8
Cu 324.754	146.675	ppb	2.4430	1.7	6672.32
Fe 271.441	579243	ppb	1192.04	0.2	917468
K 766.491	2957.66	ppb	1.9734	0.1	125144
Mg 279.078	4099.34	ppb	14.5907	0.4	8263.65
Mn 257.610	916.872	ppb	1.6499	0.2	197577
Mo 202.032	9.2672	ppb	0.6843	7.4	43.9270
Na 330.237	238.088	ppb	34.3667	14.4	-159.784
Ni 231.604	18.6970	ppb	1.2499	6.7	58.6562
Pb 220.353	81.0011	ppb	6.1205	7.6	119.754
Sb 206.834	-2.9100	ppb	5.1880	178.3	11.7871
Se 196.026	1.7921	ppb	8.9593	499.9	3.4949
Sn 189.925	28.0011	ppb	3.9105	14.0	17.9660
Sr 216.596	26.8059	ppb	1.4100	5.3	428.310
Ti 334.941	1780.28	ppb	9.6650	0.5	396355
Tl 190.794	-28.4470	ppb	4.1625	14.6	-55.6773
V 292.401	1020.75	ppb	0.9801	0.1	25653.9
Zn 206.200	88.9649	ppb	2.3860	2.7	124.424

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/31/2013, 4:18:37 AM Rack 4, Tube 25

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	526.048	515.996	524.812
Al 308.215	5538.61	5501.07	5536.06
As 188.980	568.936	583.544	572.806
B 249.678	654.242	655.946	665.299
Ba 389.178	4691.79	4674.42	4700.32
Be 313.042	524.604	521.130	523.914
Ca 370.602	5454	5433	5458
Cd 226.502	548.778	546.449	550.477
Co 228.615	541.969	541.040	543.816
Cr 267.716	5233.78	5208.18	5218.08
Cu 324.754	4897.60	4781.97	4951.32
Fe 271.441	5594.12	5566.99	5620.45
K 766.491	11107.1	11072.6	11133.3
Mg 279.078	6030.68	6001.46	6037.12
Mn 257.610	5151.25	5132.58	5167.07
Mo 202.032	520.821	522.140	522.277
Na 330.237	8600.59	8386.83	8440.46
Ni 231.604	2750.58	2738.17	2761.25
Pb 220.353	559.700	556.694	557.213
Sb 206.834	1047.74	1037.85	1042.49
Se 196.026	5984.73	5898.75	5931.85
Sn 189.925	5547.11	5540.14	5580.87
Sr 216.596	2689.82	2679.19	2679.49
Ti 334.941	515.455	513.518	513.128
Tl 190.794	5468.38	5456.49	5487.30
V 292.401	5183.60	5172.91	5202.36
Zn 206.200	2876.61	2846.90	2878.75

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	522.285	ppb	5.4816	1.0	33181.9	104.45707
Al 308.215	5525.24	ppb	20.9780	0.4	25310.9	110.50488Q
As 188.980	575.095	ppb	7.5684	1.3	373.118	115.01904Q
B 249.678	658.496	ppb	5.9529	0.9	6418.98	26.33984Q
Ba 389.178	4688.84	ppb	13.1970	0.3	95279.1	93.77688
Be 313.042	523.216	ppb	1.8389	0.4	984682	104.64320
Ca 370.602	5448	ppb	13.13	0.2	15343	108.96804
Cd 226.502	548.568	ppb	2.0221	0.4	18442.5	109.71355
Co 228.615	542.275	ppb	1.4134	0.3	5756.91	108.45500
Cr 267.716	5220.02	ppb	12.9078	0.2	204295	104.40033
Cu 324.754	4876.96	ppb	86.5404	1.8	214374	97.53926
Fe 271.441	5593.85	ppb	26.7300	0.5	8991.33	111.87709Q
K 766.491	11104.4	ppb	30.4442	0.3	469227	111.04355Q
Mg 279.078	6023.09	ppb	19.0043	0.3	11982.8	120.46176Q
Mn 257.610	5150.30	ppb	17.2618	0.3	1101264	103.00603
Mo 202.032	521.746	ppb	0.8042	0.2	3018.01	104.34920
Na 330.237	8475.96	ppb	111.215	1.3	385.494	113.01284Q
Ni 231.604	2750.00	ppb	11.5524	0.4	6657.03	109.99997
Pb 220.353	557.869	ppb	1.6069	0.3	818.121	111.57383Q
Sb 206.834	1042.69	ppb	4.9434	0.5	815.624	104.26918
Se 196.026	5938.44	ppb	43.3664	0.7	2762.76	118.76888Q
Sn 189.925	5556.04	ppb	21.7826	0.4	3807.92	111.12074Q
Sr 216.596	2682.83	ppb	6.0509	0.2	22940.9	107.31331
Ti 334.941	514.034	ppb	1.2465	0.2	114420	102.80674
Tl 190.794	5470.72	ppb	15.5363	0.3	4855.27	109.41445
V 292.401	5186.29	ppb	14.9103	0.3	129940	103.72580
Zn 206.200	2867.42	ppb	17.8999	0.6	4298.93	114.69678Q

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/31/2013, 4:24:05 AM Rack 4, Tube 26

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.9011u	-0.0149u	-0.5078u
Al 308.215	8.4414	9.4754	8.7509
As 188.980	-5.2538u	-3.4202u	1.4180
B 249.678	-2.7354u	-5.0474u	-5.1000u
Ba 389.178	-0.6785u	0.5766	-0.2028u
Be 313.042	-0.0012u	0.0003	0.0200
Ca 370.602	-10.76u	-0.9887u	-4.743u
Cd 226.502	0.0925	0.1138	-0.2495u
Co 228.615	-0.4877u	-0.4916u	0.2355
Cr 267.716	-0.2968u	-0.1743u	0.0236
Cu 324.754	-0.2803u	-1.9784u	0.5548
Fe 271.441	-1.7526u	-6.0569u	10.8756
K 766.491	-1.1311u	-0.0864u	-0.2462u
Mg 279.078	4.8289	-0.5082u	-1.4263u
Mn 257.610	-0.0217u	-0.0012u	0.0342
Mo 202.032	0.9942	0.7540	-0.7677u
Na 330.237	-161.217u	-295.048u	29.8263
Ni 231.604	0.4300	-1.3755u	-0.4475u
Pb 220.353	-1.9209u	-7.3975u	0.7045
Sb 206.834	6.4871	-2.4177u	3.6375
Se 196.026	10.6017	12.5832	5.4188
Sn 189.925	-2.4474u	-0.2630u	0.3171
Sr 216.596	0.7319	1.3430	-0.4739u
Ti 334.941	-0.1514u	0.0854	-0.0817u
Tl 190.794	1.2709	3.8096	5.8181
V 292.401	-0.0394u	-0.5247u	-0.4783u
Zn 206.200	1.3072	1.4455	1.4202

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.4746	ppb	0.4440	93.6	-106.119	-0.47463
Al 308.215	8.8892	ppb	0.5307	6.0	165.064	8.88924
As 188.980	-2.4187	ppb	3.4468	142.5	-0.0856	-2.41869
B 249.678	-4.2943	ppb	1.3503	31.4	205.048	-4.29426
Ba 389.178	-0.1016	ppb	0.6336	623.9	-19.0922	-0.10156
Be 313.042	0.0064	ppb	0.0118	185.2	-135.206	0.00638
Ca 370.602	-5.496	ppb	4.927	89.6	-35.77	-5.49578
Cd 226.502	-0.0144	ppb	0.2039	1420.3	14.1456	-0.01436
Co 228.615	-0.2479	ppb	0.4187	168.9	11.4696	-0.24793
Cr 267.716	-0.1492	ppb	0.1617	108.4	-1.3783	-0.14919
Cu 324.754	-0.5680	ppb	1.2908	227.3	60.7499	-0.56796
Fe 271.441	1.0221	ppb	8.8007	861.1	11.1556	1.02205
K 766.491	-0.4879	ppb	0.5627	115.3	204.519	-0.48788
Mg 279.078	0.9648	ppb	3.3778	350.1	32.5704	0.96483
Mn 257.610	0.0038	ppb	0.0283	747.2	68.4161	0.00379
Mo 202.032	0.3268	ppb	0.9554	292.3	16.8340	0.32683
Na 330.237	-142.146	ppb	163.275	114.9	-3.4502	-142.14635
Ni 231.604	-0.4643	ppb	0.9029	194.4	1.2392	-0.46433
Pb 220.353	-2.8713	ppb	4.1338	144.0	0.3621	-2.87128
Sb 206.834	2.5690	ppb	4.5476	177.0	2.7608	2.56896
Se 196.026	9.5346	ppb	3.6995	38.8	3.7091	9.53457
Sn 189.925	-0.7978	ppb	1.4577	182.7	-1.7705	-0.79778
Sr 216.596	0.5337	ppb	0.9245	173.2	15.4904	0.53368
Ti 334.941	-0.0492	ppb	0.1217	247.2	-43.4592	-0.04924
Tl 190.794	3.6329	ppb	2.2787	62.7	-0.1435	3.63287
V 292.401	-0.3475	ppb	0.2678	77.1	-0.7255	-0.34749
Zn 206.200	1.3910	ppb	0.0736	5.3	4.0925	1.39098

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-26-b (Samp) **3/31/2013, 4:29:33 AM** **Rack 4, Tube 27****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-2.4803u	-2.8630u	-2.1408u
Al 308.215	78816.8	78804.6	78652.8
As 188.980	456.449	447.112	458.844
B 249.678	1.4964u	1.3613u	1.4437u
Ba 389.178	951.060	951.030	952.363
Be 313.042	3.7255	3.7205	3.7200
Ca 370.602	50800	50759	50695
Cd 226.502	-0.1873	-0.1670	-0.1006
Co 228.615	44.7099	43.2892	43.9088
Cr 267.716	138.059	138.444	138.240
Cu 324.754	329.853	331.818	331.677
Fe 271.441	168079	168745	167938
K 766.491	8996.45	9020.52	8957.59
Mg 279.078	12985.6	13016.0	12981.7
Mn 257.610	2512.01	2517.61	2514.07
Mo 202.032	7.1614	7.1591	6.3747
Na 330.237	827.230u	496.488u	557.850u
Ni 231.604	76.6385	78.7064	76.5543
Pb 220.353	1482.31	1479.62	1482.78
Sb 206.834	12.1009	12.4689	8.5775
Se 196.026	-5.2593u	10.9174	4.3627
Sn 189.925	125.293	123.964	127.954
Sr 216.596	441.194	439.119	439.074
Ti 334.941	2521.23	2521.81	2507.62
Tl 190.794	6.1702u	2.9932u	-1.4974u
V 292.401	255.982	256.415	255.594
Zn 206.200	740.400	741.743	742.570

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4947	ppb	0.3613	14.5	-241.801
Al 308.215	78758.0	ppb	91.3337	0.1	359391
As 188.980	454.135	ppb	6.1986	1.4	293.740
B 249.678	1.4338	ppb	0.0681	4.7	102.530
Ba 389.178	951.485	ppb	0.7611	0.1	19552.4
Be 313.042	3.7220	ppb	0.0030	0.1	6869.79
Ca 370.602	50751	ppb	52.90	0.1	132816
Cd 226.502	-0.1516	ppb	0.0454	29.9	375.075
Co 228.615	43.9693	ppb	0.7123	1.6	533.546
Cr 267.716	138.248	ppb	0.1928	0.1	5459.12
Cu 324.754	331.116	ppb	1.0957	0.3	14678.1
Fe 271.441	168254	ppb	431.244	0.3	266512
K 766.491	8991.52	ppb	31.7536	0.4	379989
Mg 279.078	12994.4	ppb	18.7658	0.1	25955.0
Mn 257.610	2514.56	ppb	2.8326	0.1	538182
Mo 202.032	6.8984	ppb	0.4535	6.6	47.7078
Na 330.237	627.189	ppb	175.936	28.1	-36.5676
Ni 231.604	77.2997	ppb	1.2189	1.6	192.636
Pb 220.353	1481.57	ppb	1.7044	0.1	2163.54
Sb 206.834	11.0491	ppb	2.1484	19.4	12.9210
Se 196.026	3.3403	ppb	8.1367	243.6	2.3349
Sn 189.925	125.737	ppb	2.0316	1.6	84.9943
Sr 216.596	439.796	ppb	1.2116	0.3	3835.30
Ti 334.941	2516.89	ppb	8.0316	0.3	560326
Tl 190.794	2.5553	ppb	3.8525	150.8	-11.8763
V 292.401	255.997	ppb	0.4109	0.2	6467.18
Zn 206.200	741.571	ppb	1.0952	0.1	1116.89

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-27-b (Samp) **3/31/2013, 4:35:01 AM** **Rack 4, Tube 28****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.6470u	-1.2610u	-1.2526u
Al 308.215	83391.4	83250.7	83271.2
As 188.980	136.191	148.445	145.093
B 249.678	-3.2490u	-3.7969u	-0.8689u
Ba 389.178	724.753	724.960	723.424
Be 313.042	2.8990	2.9202	2.9061
Ca 370.602	68830	68698	68800
Cd 226.502	-0.8793	-1.2140	-1.1562
Co 228.615	25.1937	24.7659	24.2360
Cr 267.716	202.341	202.912	202.373
Cu 324.754	136.144	134.701	135.542
Fe 271.441	177088	177219	177163
K 766.491	3207.43	3205.81	3187.94
Mg 279.078	5129.30	5139.60	5147.90
Mn 257.610	1928.55	1926.43	1928.49
Mo 202.032	6.5805	6.3975	5.0367
Na 330.237	756.475u	374.654u	674.369u
Ni 231.604	47.4154	45.9031	46.2282
Pb 220.353	687.319	691.205	690.651
Sb 206.834	4.3211	6.9668	11.9998
Se 196.026	14.1752	5.6900	10.2860
Sn 189.925	36.8293	36.8466	39.9410
Sr 216.596	338.725	337.459	339.093
Ti 334.941	1309.86	1305.32	1301.63
Tl 190.794	-9.9382u	-0.8055u	2.5590u
V 292.401	372.179	371.070	372.657
Zn 206.200	362.624	358.791	362.074

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0535	ppb	0.3521	33.4	-147.490
Al 308.215	83304.4	ppb	76.0138	0.1	380128
As 188.980	143.243	ppb	6.3332	4.4	92.8099
B 249.678	-2.6383	ppb	1.5566	59.0	56.0468
Ba 389.178	724.379	ppb	0.8332	0.1	14931.4
Be 313.042	2.9084	ppb	0.0108	0.4	5341.51
Ca 370.602	68776	ppb	69.11	0.1	183286
Cd 226.502	-1.0832	ppb	0.1789	16.5	363.020
Co 228.615	24.7319	ppb	0.4798	1.9	301.492
Cr 267.716	202.542	ppb	0.3210	0.2	7972.53
Cu 324.754	135.462	ppb	0.7247	0.5	6081.25
Fe 271.441	177156	ppb	65.6644	0.0	280610
K 766.491	3200.39	ppb	10.8169	0.3	135396
Mg 279.078	5138.93	ppb	9.3147	0.2	10272.7
Mn 257.610	1927.82	ppb	1.2043	0.1	412715
Mo 202.032	6.0049	ppb	0.8435	14.0	42.0243
Na 330.237	601.833	ppb	200.980	33.4	-28.8788
Ni 231.604	46.5156	ppb	0.7960	1.7	118.313
Pb 220.353	689.725	ppb	2.1023	0.3	1008.96
Sb 206.834	7.7626	ppb	3.9007	50.3	11.0935
Se 196.026	10.0504	ppb	4.2475	42.3	5.3680
Sn 189.925	37.8723	ppb	1.7916	4.7	24.7615
Sr 216.596	338.426	ppb	0.8570	0.3	2971.78
Ti 334.941	1305.61	ppb	4.1252	0.3	290651
Tl 190.794	-2.7282	ppb	6.4667	237.0	-16.1679
V 292.401	371.969	ppb	0.8140	0.2	9360.35
Zn 206.200	361.163	ppb	2.0726	0.6	544.570

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-28-b (Samp) **3/31/2013, 4:40:29 AM** **Rack 4, Tube 29****Weight: 1** **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.7559u	-2.1345u	-2.9426u
Al 308.215	118724	117851	118604
As 188.980	50.3848	41.6091	48.2535
B 249.678	-18.5115u	-17.9136u	-18.4253u
Ba 389.178	186.433	183.780	185.831
Be 313.042	2.7307	2.6914	2.7085
Ca 370.602	9095	9057	9065
Cd 226.502	-1.7515	-1.7963	-1.6523
Co 228.615	19.7671	19.4136	19.3913
Cr 267.716	194.865	194.509	195.740
Cu 324.754	62.2093	61.5199	61.4272
Fe 271.441	183282	182368	182811
K 766.491	3131.91	3111.31	3106.97
Mg 279.078	1977.40	1975.13	1977.42
Mn 257.610	770.227	764.915	770.136
Mo 202.032	8.2136	9.2434	8.2129
Na 330.237	-56.1240u	-200.176u	24.8269u
Ni 231.604	45.6725	44.0330	41.7719
Pb 220.353	74.8343	79.2372	72.0917
Sb 206.834	1.8091	-3.2135	-6.4470u
Se 196.026	8.3434	6.4619	5.1876
Sn 189.925	26.1273	26.3882	19.8532
Sr 216.596	35.3452	34.7408	34.7005
Ti 334.941	1437.96	1428.48	1437.49
Tl 190.794	-1.1071u	-12.1300u	-13.4206u
V 292.401	376.042	374.094	374.389
Zn 206.200	134.292	132.245	136.423

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9444	ppb	1.1057	56.9	-196.490
Al 308.215	118393	ppb	473.663	0.4	540191
As 188.980	46.7491	ppb	4.5772	9.8	29.8498
B 249.678	-18.2835	ppb	0.3232	1.8	-96.0422
Ba 389.178	185.348	ppb	1.3910	0.8	3979.69
Be 313.042	2.7102	ppb	0.0197	0.7	4951.78
Ca 370.602	9073	ppb	20.06	0.2	12862
Cd 226.502	-1.7334	ppb	0.0737	4.3	353.507
Co 228.615	19.5240	ppb	0.2108	1.1	249.212
Cr 267.716	195.038	ppb	0.6333	0.3	7676.28
Cu 324.754	61.7188	ppb	0.4273	0.7	2842.06
Fe 271.441	182820	ppb	457.053	0.3	289580
K 766.491	3116.73	ppb	13.3248	0.4	131863
Mg 279.078	1976.65	ppb	1.3171	0.1	3964.61
Mn 257.610	768.426	ppb	3.0411	0.4	164830
Mo 202.032	8.5566	ppb	0.5948	7.0	56.5216
Na 330.237	-77.1578	ppb	113.966	147.7	-62.4435
Ni 231.604	43.8258	ppb	1.9585	4.5	111.925
Pb 220.353	75.3877	ppb	3.6048	4.8	112.052
Sb 206.834	-2.6171	ppb	4.1602	159.0	3.3681
Se 196.026	6.6643	ppb	1.5876	23.8	3.5539
Sn 189.925	24.1229	ppb	3.7000	15.3	15.3145
Sr 216.596	34.9288	ppb	0.3612	1.0	369.186
Ti 334.941	1434.65	ppb	5.3409	0.4	319368
Tl 190.794	-8.8859	ppb	6.7674	76.2	-20.3867
V 292.401	374.842	ppb	1.0497	0.3	9434.17
Zn 206.200	134.320	ppb	2.0891	1.6	202.427

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-29-b (Samp) **3/31/2013, 4:45:58 AM** **Rack 4, Tube 30****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.9100u	-2.0874u	-0.7567u
Al 308.215	96670.9	97026.8	96474.4
As 188.980	9.8713	22.3651	12.8428
B 249.678	-16.4889u	-17.6929u	-16.8595u
Ba 389.178	75.3847	76.8184	76.0175
Be 313.042	1.6362	1.6413	1.6324
Ca 370.602	4418	4413	4411
Cd 226.502	-0.8573	-0.8740	-0.6254
Co 228.615	6.0627	6.8436	5.7267
Cr 267.716	97.0105	97.2575	96.3375
Cu 324.754	33.0087	33.4281	34.7128
Fe 271.441	97739.6	98014.7	97119.7
K 766.491	1696.51	1696.69	1677.67
Mg 279.078	1741.19	1756.52	1742.17
Mn 257.610	68.5461	68.8203	68.1991
Mo 202.032	2.8602	3.3280	2.6150
Na 330.237	-33.3896u	-2.8557u	313.380u
Ni 231.604	17.4487	18.0326	18.6894
Pb 220.353	52.5417	51.9447	50.3242
Sb 206.834	5.1760	2.6038	9.2099
Se 196.026	6.6298	-1.1513	3.3233
Sn 189.925	15.6720	21.6969	20.3474
Sr 216.596	15.5093	16.4115	16.2779
Ti 334.941	811.999	814.077	809.126
Tl 190.794	-1.3925u	-5.3097u	0.7318u
V 292.401	224.119	224.040	222.096
Zn 206.200	51.8436	55.4894	50.2324

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2514	ppb	0.7281	58.2	-154.789
Al 308.215	96724.0	ppb	279.988	0.3	441346
As 188.980	15.0264	ppb	6.5268	43.4	10.2008
B 249.678	-17.0137	ppb	0.6167	3.6	-4.9741
Ba 389.178	76.0735	ppb	0.7185	0.9	1653.52
Be 313.042	1.6366	ppb	0.0045	0.3	2934.83
Ca 370.602	4414	ppb	4.025	0.1	5633
Cd 226.502	-0.7856	ppb	0.1390	17.7	200.262
Co 228.615	6.2110	ppb	0.5730	9.2	96.1972
Cr 267.716	96.8685	ppb	0.4762	0.5	3815.14
Cu 324.754	33.7166	ppb	0.8879	2.6	1590.68
Fe 271.441	97624.7	ppb	458.463	0.5	154638
K 766.491	1690.29	ppb	10.9327	0.6	71615.9
Mg 279.078	1746.63	ppb	8.5814	0.5	3507.46
Mn 257.610	68.5218	ppb	0.3113	0.5	14972.7
Mo 202.032	2.9344	ppb	0.3622	12.3	27.6782
Na 330.237	92.3783	ppb	192.001	207.8	-25.5366
Ni 231.604	18.0569	ppb	0.6207	3.4	47.9435
Pb 220.353	51.6035	ppb	1.1474	2.2	77.8795
Sb 206.834	5.6632	ppb	3.3299	58.8	7.4253
Se 196.026	2.9339	ppb	3.9051	133.1	1.1891
Sn 189.925	19.2388	ppb	3.1618	16.4	11.9661
Sr 216.596	16.0662	ppb	0.4869	3.0	180.164
Ti 334.941	811.734	ppb	2.4863	0.3	180690
Tl 190.794	-1.9901	ppb	3.0648	154.0	-9.5521
V 292.401	223.418	ppb	1.1457	0.5	5627.02
Zn 206.200	52.5218	ppb	2.6923	5.1	80.6995

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-30-d (Samp) **3/31/2013, 4:51:26 AM** **Rack 4, Tube 31****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.0346u	-0.3729u	0.0405u
Al 308.215	64079.7	64148.6	64346.9
As 188.980	40.6611	55.5579	49.7295
B 249.678	8.9626	6.7322u	7.5613u
Ba 389.178	638.643	636.943	637.048
Be 313.042	2.1100	2.1102	2.1228
Ca 370.602	108822	108934	109082
Cd 226.502	4.3925	4.5104	4.5342
Co 228.615	15.5713	15.9057	15.1331
Cr 267.716	88.0828	88.0838	88.6669
Cu 324.754	226.470	219.384	224.738
Fe 271.441	79039.9	78890.4	78957.2
K 766.491	3262.83	3257.10	3250.09
Mg 279.078	8970.69	9010.75	9013.87
Mn 257.610	1127.35	1127.17	1129.15
Mo 202.032	4.0924	5.2891	5.5770
Na 330.237	944.192	394.184u	513.816u
Ni 231.604	39.8013	36.9218	36.1619
Pb 220.353	1553.62	1566.74	1558.63
Sb 206.834	9.2336	3.3527	1.7437
Se 196.026	9.0773	17.9437	17.5872
Sn 189.925	88.3183	82.5256	81.2581
Sr 216.596	259.117	259.163	261.477
Ti 334.941	858.930	857.311	861.412
Tl 190.794	-1.5196u	-1.9566u	2.2816u
V 292.401	152.650	153.859	153.232
Zn 206.200	1489.17	1496.58	1495.16

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1224	ppb	0.2202	180.0	-89.0344
Al 308.215	64191.7	ppb	138.691	0.2	292945
As 188.980	48.6495	ppb	7.5069	15.4	33.0381
B 249.678	7.7520	ppb	1.1274	14.5	244.717
Ba 389.178	637.545	ppb	0.9529	0.1	13054.5
Be 313.042	2.1143	ppb	0.0073	0.3	3867.95
Ca 370.602	108946	ppb	130.8	0.1	304667
Cd 226.502	4.4790	ppb	0.0759	1.7	336.647
Co 228.615	15.5367	ppb	0.3875	2.5	196.329
Cr 267.716	88.2778	ppb	0.3369	0.4	3479.38
Cu 324.754	223.531	ppb	3.6944	1.7	9927.99
Fe 271.441	78962.5	ppb	74.8926	0.1	125080
K 766.491	3256.68	ppb	6.3817	0.2	137773
Mg 279.078	8998.44	ppb	24.0819	0.3	17983.1
Mn 257.610	1127.89	ppb	1.0932	0.1	241462
Mo 202.032	4.9862	ppb	0.7873	15.8	40.3633
Na 330.237	617.397	ppb	289.264	46.9	-5.5510
Ni 231.604	37.6283	ppb	1.9198	5.1	94.9397
Pb 220.353	1559.66	ppb	6.6205	0.4	2278.21
Sb 206.834	4.7767	ppb	3.9428	82.5	6.3789
Se 196.026	14.8694	ppb	5.0193	33.8	6.8859
Sn 189.925	84.0340	ppb	3.7640	4.5	56.4246
Sr 216.596	259.919	ppb	1.3494	0.5	2270.89
Ti 334.941	859.217	ppb	2.0654	0.2	191283
Tl 190.794	-0.3982	ppb	2.3310	585.4	-8.7048
V 292.401	153.247	ppb	0.6048	0.4	3864.96
Zn 206.200	1493.64	ppb	3.9327	0.3	2248.12

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-30-dSD^5 (Samp) 3/31/2013, 4:56:54 AM**Rack 4, Tube 32****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.2412	-0.1774u	-0.4457u
Al 308.215	13089.4	13196.1	13227.4
As 188.980	0.7919	7.9178	6.4636
B 249.678	-12.3513u	-13.7000u	-11.6437u
Ba 389.178	129.859	128.675	128.114
Be 313.042	0.4162	0.4168	0.4070
Ca 370.602	22186	22366	22390
Cd 226.502	0.9291	0.9451	0.6995
Co 228.615	3.1542	3.0993	3.0875
Cr 267.716	18.0907	17.5969	18.0129
Cu 324.754	44.3964	42.7957	44.4297
Fe 271.441	16354.8	16399.1	16393.0
K 766.491	643.397	643.180	641.861
Mg 279.078	1874.97	1878.82	1892.57
Mn 257.610	231.754	233.111	233.659
Mo 202.032	0.2651	0.9186	0.0720u
Na 330.237	-97.8702u	196.948	-51.7947u
Ni 231.604	5.8614	8.0327	7.9613
Pb 220.353	315.352	319.150	317.516
Sb 206.834	0.7080	6.1273	2.8043
Se 196.026	13.1032	-3.9689u	5.0094
Sn 189.925	17.0981	14.7390	13.9476
Sr 216.596	53.8864	54.2106	53.4658
Ti 334.941	175.358	177.020	177.388
Tl 190.794	0.5149u	2.1286	-2.8309u
V 292.401	30.4866	31.4000	31.2709
Zn 206.200	310.310	308.615	310.295

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1273	ppb	0.3462	272.0	-85.0523
Al 308.215	13171.0	ppb	72.3235	0.5	60205.8
As 188.980	5.0578	ppb	3.7652	74.4	4.7677
B 249.678	-12.5650	ppb	1.0447	8.3	112.222
Ba 389.178	128.883	ppb	0.8910	0.7	2626.09
Be 313.042	0.4133	ppb	0.0055	1.3	638.056
Ca 370.602	22314	ppb	111.4	0.5	62371
Cd 226.502	0.8579	ppb	0.1374	16.0	79.0355
Co 228.615	3.1137	ppb	0.0356	1.1	50.7193
Cr 267.716	17.9002	ppb	0.2655	1.5	709.161
Cu 324.754	43.8739	ppb	0.9339	2.1	2017.73
Fe 271.441	16382.3	ppb	24.0072	0.1	25957.9
K 766.491	642.813	ppb	0.8315	0.1	27374.8
Mg 279.078	1882.12	ppb	9.2518	0.5	3785.69
Mn 257.610	232.841	ppb	0.9811	0.4	49901.4
Mo 202.032	0.4186	ppb	0.4436	106.0	16.6668
Na 330.237	15.7611	ppb	158.595	1006.2	-3.8510
Ni 231.604	7.2851	ppb	1.2335	16.9	20.3074
Pb 220.353	317.339	ppb	1.9051	0.6	467.164
Sb 206.834	3.2132	ppb	2.7326	85.0	3.6521
Se 196.026	4.7146	ppb	8.5399	181.1	1.6111
Sn 189.925	15.2615	ppb	1.6390	10.7	9.2468
Sr 216.596	53.8543	ppb	0.3734	0.7	479.188
Ti 334.941	176.588	ppb	1.0817	0.6	39287.3
Tl 190.794	-0.0625	ppb	2.5296	4048.4	-4.4596
V 292.401	31.0525	ppb	0.4943	1.6	789.664
Zn 206.200	309.740	ppb	0.9743	0.3	467.787

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-30-dPDS (Samp) **3/31/2013, 5:02:33 AM** **Rack 4, Tube 33****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	55.3329	52.6579	56.7825
Al 308.215	65056.7	65349.2	65428.0
As 188.980	2627.66	2654.69	2665.50
B 249.678	1318.62	1327.84	1340.24
Ba 389.178	2682.07	2680.44	2682.53
Be 313.042	59.9735	60.2433	60.3015
Ca 370.602	112011	112516	112494
Cd 226.502	65.3933	65.1414	65.1776
Co 228.615	613.657	613.852	614.471
Cr 267.716	315.875	317.251	317.646
Cu 324.754	495.428	492.320	497.642
Fe 271.441	78138.7	78211.1	78301.4
K 766.491	9571.23	9588.10	9578.94
Mg 279.078	15269.2	15319.0	15338.0
Mn 257.610	1678.39	1683.99	1684.73
Mo 202.032	559.867	564.231	564.847
Na 330.237	6407.54	6351.61	6769.15
Ni 231.604	630.618	632.481	634.954
Pb 220.353	2097.93	2097.07	2099.70
Sb 206.834	546.010	551.799	560.429
Se 196.026	2547.14	2536.49	2545.93
Sn 189.925	1241.11	1254.17	1252.88
Sr 216.596	835.328	831.355	839.899
Ti 334.941	1905.90	1920.78	1917.88
Tl 190.794	2272.22	2266.72	2284.95
V 292.401	689.290	690.647	691.132
Zn 206.200	2094.79	2093.65	2098.19

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	54.9244	ppb	2.0924	3.8	3404.79
Al 308.215	65278.0	ppb	195.604	0.3	297952
As 188.980	2649.28	ppb	19.4879	0.7	1714.23
B 249.678	1328.90	ppb	10.8486	0.8	12642.1
Ba 389.178	2681.68	ppb	1.0991	0.0	54602.3
Be 313.042	60.1728	ppb	0.1750	0.3	113070
Ca 370.602	112340	ppb	285.1	0.3	314569
Cd 226.502	65.2374	ppb	0.1362	0.2	2374.95
Co 228.615	613.994	ppb	0.4251	0.1	6532.84
Cr 267.716	316.924	ppb	0.9298	0.3	12427.6
Cu 324.754	495.130	ppb	2.6735	0.5	21872.4
Fe 271.441	78217.1	ppb	81.5353	0.1	123988
K 766.491	9579.42	ppb	8.4426	0.1	404820
Mg 279.078	15308.7	ppb	35.5486	0.2	30579.1
Mn 257.610	1682.37	ppb	3.4698	0.2	360044
Mo 202.032	562.981	ppb	2.7148	0.5	3259.90
Na 330.237	6509.43	ppb	226.655	3.5	266.103
Ni 231.604	632.684	ppb	2.1752	0.3	1534.87
Pb 220.353	2098.23	ppb	1.3402	0.1	3062.52
Sb 206.834	552.746	ppb	7.2561	1.3	411.353
Se 196.026	2543.19	ppb	5.8290	0.2	1183.05
Sn 189.925	1249.39	ppb	7.1998	0.6	855.377
Sr 216.596	835.527	ppb	4.2752	0.5	7176.95
Ti 334.941	1914.85	ppb	7.8859	0.4	426305
Tl 190.794	2274.63	ppb	9.3482	0.4	2013.31
V 292.401	690.357	ppb	0.9550	0.1	17261.2
Zn 206.200	2095.54	ppb	2.3584	0.1	2152.70

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-30-e ms (Samp) **3/31/2013, 5:08:13 AM** **Rack 4, Tube 34****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	13.3998	12.7210	14.0518
Al 308.215	66268.2	66307.1	66379.6
As 188.980	131.873	126.902	136.950
B 249.678	206.316	206.317	204.845
Ba 389.178	619.043	620.250	619.239
Be 313.042	46.3840	46.4091	46.3823
Ca 370.602	89869	89861	89923
Cd 226.502	52.5595	52.3131	52.3600
Co 228.615	60.7460	61.2838	60.5208
Cr 267.716	167.228	167.615	166.918
Cu 324.754	310.449	311.625	308.910
Fe 271.441	75631.5	75448.1	75580.4
K 766.491	7687.41	7680.58	7686.84
Mg 279.078	11672.6	11692.6	11665.0
Mn 257.610	1678.32	1676.95	1676.73
Mo 202.032	88.0146	86.7534	87.3903
Na 330.237	4783.03	5045.36	5012.67
Ni 231.604	140.237	140.976	139.509
Pb 220.353	1430.43	1434.35	1423.24
Sb 206.834	34.5498	22.6332	36.0721
Se 196.026	93.4874	114.854	85.2154
Sn 189.925	252.839	251.720	248.387
Sr 216.596	293.603	293.284	293.897
Ti 334.941	856.008	857.680	859.849
Tl 190.794	47.7858	37.8905	39.6915
V 292.401	230.130	230.099	229.520
Zn 206.200	1603.11	1599.40	1591.85

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	13.3909	ppb	0.6654	5.0	774.268
Al 308.215	66318.3	ppb	56.5256	0.1	302653
As 188.980	131.908	ppb	5.0241	3.8	86.7091
B 249.678	205.826	ppb	0.8494	0.4	2106.43
Ba 389.178	619.511	ppb	0.6474	0.1	12690.6
Be 313.042	46.3918	ppb	0.0150	0.0	87209.7
Ca 370.602	89884	ppb	33.44	0.0	250644
Cd 226.502	52.4109	ppb	0.1308	0.2	1938.46
Co 228.615	60.8502	ppb	0.3920	0.6	673.146
Cr 267.716	167.254	ppb	0.3488	0.2	6570.95
Cu 324.754	310.328	ppb	1.3617	0.4	13742.8
Fe 271.441	75553.3	ppb	94.6571	0.1	119688
K 766.491	7684.94	ppb	3.7893	0.0	324805
Mg 279.078	11676.8	ppb	14.2424	0.1	23323.5
Mn 257.610	1677.33	ppb	0.8634	0.1	358940
Mo 202.032	87.3861	ppb	0.6306	0.7	515.930
Na 330.237	4947.02	ppb	142.959	2.9	202.791
Ni 231.604	140.241	ppb	0.7334	0.5	343.182
Pb 220.353	1429.34	ppb	5.6352	0.4	2088.09
Sb 206.834	31.0850	ppb	7.3590	23.7	25.9613
Se 196.026	97.8522	ppb	15.2937	15.6	45.5950
Sn 189.925	250.982	ppb	2.3159	0.9	170.877
Sr 216.596	293.595	ppb	0.3061	0.1	2552.92
Ti 334.941	857.845	ppb	1.9262	0.2	190987
Tl 190.794	41.7893	ppb	5.2706	12.6	28.2540
V 292.401	229.916	ppb	0.3434	0.1	5771.80
Zn 206.200	1598.12	ppb	5.7405	0.4	2495.03

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-30-f msd (Samp) **3/31/2013, 5:13:42 AM** **Rack 4, Tube 35****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	16.6385	17.0603	16.4601
Al 308.215	67728.1	67811.2	67922.2
As 188.980	151.059	158.729	152.732
B 249.678	201.793	204.864	203.983
Ba 389.178	878.459	878.256	885.068
Be 313.042	49.4550	49.5569	49.6071
Ca 370.602	138028	138002	138304
Cd 226.502	53.3899	53.3440	52.9507
Co 228.615	73.4512	72.7288	71.4881
Cr 267.716	172.470	172.920	172.962
Cu 324.754	287.739	285.318	289.904
Fe 271.441	97402.4	97540.6	97768.9
K 766.491	8593.72	8622.26	8634.29
Mg 279.078	11877.9	11876.6	11895.6
Mn 257.610	2136.13	2140.38	2140.93
Mo 202.032	93.5641	92.7990	93.2421
Na 330.237	5094.18	5024.37	5274.39
Ni 231.604	135.023	136.102	136.509
Pb 220.353	1189.29	1196.63	1188.82
Sb 206.834	23.8115	32.9959	26.8419
Se 196.026	97.8851	112.736	88.6222
Sn 189.925	259.550	251.853	253.372
Sr 216.596	811.886	808.726	812.737
Ti 334.941	1007.94	1011.16	1010.63
Tl 190.794	44.2751	30.7807	45.1662
V 292.401	244.575	243.968	245.675
Zn 206.200	1308.82	1315.80	1317.83

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	16.7196	ppb	0.3083	1.8	968.142
Al 308.215	67820.5	ppb	97.4215	0.1	309506
As 188.980	154.173	ppb	4.0328	2.6	101.284
B 249.678	203.547	ppb	1.5812	0.8	2064.49
Ba 389.178	880.594	ppb	3.8755	0.4	18022.8
Be 313.042	49.5397	ppb	0.0775	0.2	93150.8
Ca 370.602	138111	ppb	167.6	0.1	386407
Cd 226.502	53.2282	ppb	0.2414	0.5	2013.96
Co 228.615	72.5560	ppb	0.9929	1.4	799.597
Cr 267.716	172.784	ppb	0.2728	0.2	6793.41
Cu 324.754	287.654	ppb	2.2940	0.8	12752.1
Fe 271.441	97570.6	ppb	185.048	0.2	154562
K 766.491	8616.75	ppb	20.8372	0.2	364161
Mg 279.078	11883.4	ppb	10.5897	0.1	23732.6
Mn 257.610	2139.15	ppb	2.6267	0.1	457735
Mo 202.032	93.2017	ppb	0.3841	0.4	548.595
Na 330.237	5130.98	ppb	129.007	2.5	206.414
Ni 231.604	135.878	ppb	0.7682	0.6	333.045
Pb 220.353	1191.58	ppb	4.3777	0.4	1741.28
Sb 206.834	27.8831	ppb	4.6799	16.8	23.9476
Se 196.026	99.7479	ppb	12.1646	12.2	46.7057
Sn 189.925	254.925	ppb	4.0769	1.6	173.596
Sr 216.596	811.116	ppb	2.1136	0.3	6996.72
Ti 334.941	1009.91	ppb	1.7259	0.2	224841
Tl 190.794	40.0740	ppb	8.0605	20.1	25.1321
V 292.401	244.739	ppb	0.8655	0.4	6145.08
Zn 206.200	1314.15	ppb	4.7279	0.4	1977.93

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-31-b (Samp) **3/31/2013, 5:19:10 AM** **Rack 4, Tube 36****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8626u	-0.7330u	1.1250
Al 308.215	69554.2	69509.6	69880.2
As 188.980	4.1896	14.6593	14.6631
B 249.678	-2.4173u	-2.8794u	-3.8618u
Ba 389.178	1165.04	1161.57	1170.42
Be 313.042	1.3863	1.3861	1.4101
Ca 370.602	6701	6691	6720
Cd 226.502	-0.9051	-0.7966	-0.8207
Co 228.615	4.0895	5.5451	5.0517
Cr 267.716	85.8956	86.4883	87.2330
Cu 324.754	41.3344	37.5986	38.6971
Fe 271.441	87411.7	87333.5	87880.1
K 766.491	1845.00	1840.71	1860.37
Mg 279.078	2031.78	2023.50	2041.43
Mn 257.610	379.467	379.063	381.160
Mo 202.032	3.6065	3.3292	3.8661
Na 330.237	144.870u	38.6328u	266.000u
Ni 231.604	18.5194	19.7461	16.2957
Pb 220.353	356.104	356.766	357.168
Sb 206.834	-9.7364u	6.4537	-2.7722
Se 196.026	-3.8413u	1.2858	8.8567
Sn 189.925	14.9919	9.0058	16.5395
Sr 216.596	51.5706	51.6815	51.2685
Ti 334.941	645.451	645.241	649.799
Tl 190.794	3.1241u	-1.5903u	-0.0699u
V 292.401	175.545	177.142	176.972
Zn 206.200	97.1378	97.3280	96.0988

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1569	ppb	1.1120	708.9	-85.5481
Al 308.215	69648.0	ppb	202.345	0.3	317834
As 188.980	11.1707	ppb	6.0458	54.1	7.8323
B 249.678	-3.0528	ppb	0.7377	24.2	135.253
Ba 389.178	1165.67	ppb	4.4591	0.4	23779.1
Be 313.042	1.3941	ppb	0.0138	1.0	2477.49
Ca 370.602	6704	ppb	14.70	0.2	12850
Cd 226.502	-0.8408	ppb	0.0570	6.8	176.843
Co 228.615	4.8955	ppb	0.7403	15.1	78.5105
Cr 267.716	86.5390	ppb	0.6702	0.8	3409.92
Cu 324.754	39.2100	ppb	1.9200	4.9	1829.97
Fe 271.441	87541.8	ppb	295.602	0.3	138667
K 766.491	1848.69	ppb	10.3359	0.6	78306.3
Mg 279.078	2032.24	ppb	8.9727	0.4	4079.41
Mn 257.610	379.897	ppb	1.1130	0.3	81522.0
Mo 202.032	3.6006	ppb	0.2685	7.5	31.9878
Na 330.237	149.834	ppb	113.765	75.9	-19.0949
Ni 231.604	18.1871	ppb	1.7490	9.6	48.0605
Pb 220.353	356.679	ppb	0.5372	0.2	523.442
Sb 206.834	-2.0183	ppb	8.1214	402.4	1.4391
Se 196.026	2.1004	ppb	6.3880	304.1	0.8195
Sn 189.925	13.5124	ppb	3.9788	29.4	8.0411
Sr 216.596	51.5069	ppb	0.2138	0.4	480.687
Ti 334.941	646.830	ppb	2.5728	0.4	143979
Tl 190.794	0.4879	ppb	2.4062	493.1	-7.3287
V 292.401	176.553	ppb	0.8770	0.5	4447.65
Zn 206.200	96.8549	ppb	0.6616	0.7	147.408

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/31/2013, 5:24:38 AM Rack 4, Tube 37

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	544.342	535.279	536.919
Al 308.215	5692.41	5736.59	5729.42
As 188.980	590.965	600.394	590.080
B 249.678	689.445	696.776	705.546
Ba 389.178	4699.80	4731.12	4729.71
Be 313.042	540.433	545.139	545.436
Ca 370.602	5538	5598	5584
Cd 226.502	560.244	563.980	564.949
Co 228.615	553.549	556.192	558.694
Cr 267.716	5347.33	5381.72	5373.89
Cu 324.754	5036.62	5098.13	4996.68
Fe 271.441	5696.24	5740.16	5734.16
K 766.491	11372.9	11483.7	11495.3
Mg 279.078	6220.58	6275.95	6280.63
Mn 257.610	5255.47	5292.68	5293.16
Mo 202.032	526.387	533.758	532.465
Na 330.237	8772.55	9136.11	8892.11
Ni 231.604	2812.13	2834.10	2827.82
Pb 220.353	569.041	568.959	566.990
Sb 206.834	1069.38	1085.62	1088.79
Se 196.026	6143.41	6203.02	6219.61
Sn 189.925	5682.00	5711.81	5676.63
Sr 216.596	2730.74	2749.13	2744.66
Ti 334.941	523.328	527.905	526.958
Tl 190.794	5574.92	5593.78	5610.83
V 292.401	5266.53	5297.67	5309.71
Zn 206.200	2963.78	2988.58	2983.98

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	538.847	ppb	4.8295	0.9	34237.9	107.76935
Al 308.215	5719.47	ppb	23.7092	0.4	26196.4	114.38943Q
As 188.980	593.813	ppb	5.7163	1.0	385.216	118.76255Q
B 249.678	697.255	ppb	8.0613	1.2	6782.54	27.89022Q
Ba 389.178	4720.21	ppb	17.6896	0.4	95917.3	94.40422
Be 313.042	543.669	ppb	2.8062	0.5	1023185	108.73385
Ca 370.602	5573	ppb	31.62	0.6	15695	111.46843Q
Cd 226.502	563.057	ppb	2.4844	0.4	18929.2	112.61150Q
Co 228.615	556.145	ppb	2.5727	0.5	5903.84	111.22894Q
Cr 267.716	5367.65	ppb	18.0303	0.3	210073	107.35296
Cu 324.754	5043.81	ppb	51.1070	1.0	221706	100.87614
Fe 271.441	5723.52	ppb	23.8125	0.4	9199.60	114.47042Q
K 766.491	11450.6	ppb	67.5407	0.6	483852	114.50645Q
Mg 279.078	6259.05	ppb	33.4021	0.5	12452.1	125.18102Q
Mn 257.610	5280.44	ppb	21.6225	0.4	1129089	105.60879
Mo 202.032	530.870	ppb	3.9356	0.7	3070.50	106.17403
Na 330.237	8933.59	ppb	185.294	2.1	406.619	119.11450Q
Ni 231.604	2824.68	ppb	11.3163	0.4	6837.76	112.98733Q
Pb 220.353	568.330	ppb	1.1609	0.2	833.381	113.66602Q
Sb 206.834	1081.26	ppb	10.4093	1.0	845.397	108.12634
Se 196.026	6188.68	ppb	40.0740	0.6	2879.19	123.77364Q
Sn 189.925	5690.15	ppb	18.9528	0.3	3899.87	113.80295Q
Sr 216.596	2741.51	ppb	9.5916	0.3	23442.3	109.66050
Ti 334.941	526.064	ppb	2.4156	0.5	117099	105.21272
Tl 190.794	5593.18	ppb	17.9638	0.3	4964.00	111.86356Q
V 292.401	5291.30	ppb	22.2791	0.4	132570	105.82607
Zn 206.200	2978.78	ppb	13.1944	0.4	4466.02	119.15119Q

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/31/2013, 5:30:07 AM Rack 4, Tube 38

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	0.4250	-0.3840u	0.7449
Al 308.215	11.9206	18.7371	11.3836
As 188.980	1.6912	-2.7752u	-6.0002u
B 249.678	-0.1250u	-2.7737u	-2.6988u
Ba 389.178	-2.0274u	-0.5919u	-0.4987u
Be 313.042	-0.0007u	0.0121	0.0069
Ca 370.602	-3.769u	0.1759	4.641
Cd 226.502	0.1387	-0.1528u	0.0268
Co 228.615	-0.4307u	0.8480	-0.3608u
Cr 267.716	0.1479	-0.1015u	-0.2959u
Cu 324.754	-0.4000u	1.8620	0.8685
Fe 271.441	-9.6497u	-7.1341u	-0.0956u
K 766.491	-0.2812u	-0.1629u	0.8469
Mg 279.078	7.6744	-0.1399u	6.2876
Mn 257.610	0.0270	0.0167	0.1179
Mo 202.032	1.2134	1.5728	1.2852
Na 330.237	-215.627u	102.739	-34.0124u
Ni 231.604	-2.7850u	0.3735	1.1543
Pb 220.353	-1.4487u	-3.2785u	4.4605
Sb 206.834	-0.8542u	-1.9012u	10.4216
Se 196.026	3.3901	10.6020	-1.8826u
Sn 189.925	0.6104	-1.6513u	2.9398
Sr 216.596	0.6497	0.6250	-0.4591u
Ti 334.941	-0.0415u	0.0477	-0.0205u
Tl 190.794	6.7528	12.6018	3.9565
V 292.401	-0.6151u	0.1498	-0.5776u
Zn 206.200	-0.5554u	-0.7351u	2.2792

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.2620	ppb	0.5819	222.1	-59.1416	0.26196
Al 308.215	14.0138	ppb	4.0993	29.3	188.486	14.01378
As 188.980	-2.3614	ppb	3.8623	163.6	-0.0487	-2.36141
B 249.678	-1.8658	ppb	1.5081	80.8	227.836	-1.86580
Ba 389.178	-1.0393	ppb	0.8570	82.5	-38.1361	-1.03931
Be 313.042	0.0061	ppb	0.0065	106.1	-135.835	0.00609
Ca 370.602	0.3491	ppb	4.208	1205.2	-19.02	0.34913
Cd 226.502	0.0042	ppb	0.1471	3484.5	14.7656	0.00422
Co 228.615	0.0188	ppb	0.7190	3817.4	14.2768	0.01883
Cr 267.716	-0.0832	ppb	0.2225	267.5	1.2073	-0.08316
Cu 324.754	0.7768	ppb	1.1338	145.9	119.858	0.77685
Fe 271.441	-5.6265	ppb	4.9522	88.0	0.6614	-5.62647
K 766.491	0.1343	ppb	0.6200	461.8	230.796	0.13426
Mg 279.078	4.6074	ppb	4.1693	90.5	39.8441	4.60735
Mn 257.610	0.0539	ppb	0.0557	103.4	79.1395	0.05387
Mo 202.032	1.3571	ppb	0.1902	14.0	22.7800	1.35712
Na 330.237	-48.9668	ppb	159.709	326.2	1.0346	-48.96680
Ni 231.604	-0.4191	ppb	2.0858	497.7	1.3487	-0.41908
Pb 220.353	-0.0889	ppb	4.0447	4549.4	4.4198	-0.08891
Sb 206.834	2.5554	ppb	6.8324	267.4	2.7472	2.55537
Se 196.026	4.0365	ppb	6.2673	155.3	1.1517	4.03649
Sn 189.925	0.6330	ppb	2.2956	362.7	-0.7895	0.63296
Sr 216.596	0.2719	ppb	0.6332	232.9	13.2400	0.27188
Ti 334.941	-0.0048	ppb	0.0466	981.1	-33.5505	-0.00475
Tl 190.794	7.7704	ppb	4.4116	56.8	3.5346	7.77039
V 292.401	-0.3476	ppb	0.4312	124.0	-0.8170	-0.34765
Zn 206.200	0.3296	ppb	1.6999	513.8	2.4957	0.32958

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-32-b (Samp) **3/31/2013, 5:35:35 AM** **Rack 4, Tube 39****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.3096u	0.0672	-0.5426u
Al 308.215	78473.8	77542.6	77868.4
As 188.980	9.2249	-0.3695u	-3.6720u
B 249.678	-10.4190u	-13.1904u	-11.4456u
Ba 389.178	226.638	224.857	226.645
Be 313.042	1.7283	1.6810	1.6838
Ca 370.602	6173	6114	6132
Cd 226.502	-0.7835	-0.7388	-0.6417
Co 228.615	3.7685	4.5221	4.0683
Cr 267.716	102.774	101.462	101.956
Cu 324.754	48.7881	48.3713	47.0453
Fe 271.441	84139.0	83120.0	83273.4
K 766.491	2787.83	2759.51	2770.92
Mg 279.078	2877.02	2835.97	2850.78
Mn 257.610	121.661	120.161	120.536
Mo 202.032	3.9834	3.0765	2.5596
Na 330.237	200.232u	223.887u	-131.506u
Ni 231.604	9.2059	12.7124	12.9280
Pb 220.353	61.2071	54.6977	62.6409
Sb 206.834	2.5747	-2.5815	12.2791
Se 196.026	-1.7857u	4.3659	4.7758
Sn 189.925	18.0767	21.7617	23.2683
Sr 216.596	29.2745	30.2669	29.7415
Ti 334.941	891.298	881.774	884.959
Tl 190.794	-6.2554u	-7.2656u	-4.9957u
V 292.401	363.966	361.201	362.254
Zn 206.200	52.9158	51.1024	51.1707

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5950	ppb	0.6899	115.9	-112.622
Al 308.215	77961.6	ppb	472.543	0.6	355756
As 188.980	1.7278	ppb	6.6994	387.7	1.7652
B 249.678	-11.6850	ppb	1.4011	12.0	57.9854
Ba 389.178	226.046	ppb	1.0304	0.5	4686.11
Be 313.042	1.6977	ppb	0.0265	1.6	3043.57
Ca 370.602	6140	ppb	30.28	0.5	11568
Cd 226.502	-0.7213	ppb	0.0725	10.0	172.141
Co 228.615	4.1196	ppb	0.3794	9.2	76.1197
Cr 267.716	102.064	ppb	0.6624	0.6	4014.86
Cu 324.754	48.0682	ppb	0.9101	1.9	2216.55
Fe 271.441	83510.8	ppb	549.452	0.7	132284
K 766.491	2772.75	ppb	14.2488	0.5	117335
Mg 279.078	2854.59	ppb	20.7899	0.7	5722.93
Mn 257.610	120.786	ppb	0.7806	0.6	26117.8
Mo 202.032	3.2065	ppb	0.7207	22.5	29.5902
Na 330.237	97.5376	ppb	198.710	203.7	-21.8951
Ni 231.604	11.6154	ppb	2.0895	18.0	32.0848
Pb 220.353	59.5152	ppb	4.2333	7.1	89.7078
Sb 206.834	4.0908	ppb	7.5454	184.4	6.0502
Se 196.026	2.4520	ppb	3.6757	149.9	0.9008
Sn 189.925	21.0355	ppb	2.6709	12.7	13.1987
Sr 216.596	29.7610	ppb	0.4965	1.7	293.186
Ti 334.941	886.010	ppb	4.8479	0.5	197227
Tl 190.794	-6.1722	ppb	1.1372	18.4	-12.6453
V 292.401	362.474	ppb	1.3957	0.4	9121.87
Zn 206.200	51.7296	ppb	1.0278	2.0	794936

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-33-b (Samp) **3/31/2013, 5:41:04 AM** **Rack 4, Tube 40****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.3836u	0.0163	1.5333
Al 308.215	36374.1	36242.7	36170.8
As 188.980	19.4965	25.1438	16.0923
B 249.678	-13.0108u	-10.9649u	-10.9640u
Ba 389.178	213.029	210.084	210.713
Be 313.042	0.9299	0.9152	0.9199
Ca 370.602	7932	7917	7908
Cd 226.502	-0.4349	-0.0682	-0.0888
Co 228.615	5.7481	6.0678	6.0483
Cr 267.716	46.8133	45.9570	46.4338
Cu 324.754	111.903	110.691	111.179
Fe 271.441	48203.4	48010.4	47992.4
K 766.491	1574.67	1564.98	1576.01
Mg 279.078	2072.33	2059.71	2048.49
Mn 257.610	481.917	479.725	479.972
Mo 202.032	2.4764	1.9169	2.0872
Na 330.237	55.2108u	40.1933u	314.272u
Ni 231.604	15.1960	14.7918	15.3514
Pb 220.353	2547.93	2532.41	2512.41
Sb 206.834	23.8041	19.0546	14.2486
Se 196.026	-2.9081u	-1.7512u	-1.5243u
Sn 189.925	53.2157	63.8739	55.1188
Sr 216.596	30.3384	30.7908	30.3981
Ti 334.941	444.315	443.640	443.348
Tl 190.794	2.3345u	3.5021	3.0175u
V 292.401	105.617	104.994	105.269
Zn 206.200	466.638	468.261	467.589

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3887	ppb	1.0112	260.2	-49.8799
Al 308.215	36262.5	ppb	103.100	0.3	165541
As 188.980	20.2442	ppb	4.5719	22.6	14.1266
B 249.678	-11.6466	ppb	1.1814	10.1	91.3507
Ba 389.178	211.276	ppb	1.5512	0.7	4339.81
Be 313.042	0.9217	ppb	0.0075	0.8	1588.47
Ca 370.602	7919	ppb	12.42	0.2	19137
Cd 226.502	-0.1973	ppb	0.2060	104.4	112.592
Co 228.615	5.9548	ppb	0.1792	3.0	86.0736
Cr 267.716	46.4013	ppb	0.4291	0.9	1831.68
Cu 324.754	111.257	ppb	0.6097	0.5	4986.50
Fe 271.441	48068.7	ppb	116.956	0.2	76146.4
K 766.491	1571.88	ppb	6.0195	0.4	66614.9
Mg 279.078	2060.18	ppb	11.9287	0.6	4136.42
Mn 257.610	480.538	ppb	1.2006	0.2	102940
Mo 202.032	2.1602	ppb	0.2868	13.3	25.3483
Na 330.237	136.559	ppb	154.087	112.8	-9.8869
Ni 231.604	15.1131	ppb	0.2889	1.9	39.8603
Pb 220.353	2530.92	ppb	17.8047	0.7	3695.40
Sb 206.834	19.0357	ppb	4.7778	25.1	16.1911
Se 196.026	-2.0612	ppb	0.7421	36.0	-1.3091
Sn 189.925	57.4028	ppb	5.6843	9.9	38.1329
Sr 216.596	30.5091	ppb	0.2458	0.8	288.210
Ti 334.941	443.768	ppb	0.4960	0.1	98769.6
Tl 190.794	2.9514	ppb	0.5866	19.9	-3.5085
V 292.401	105.293	ppb	0.3118	0.3	2656.94
Zn 206.200	467.496	ppb	0.8158	0.2	704.962

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-34-b (Samp) **3/31/2013, 5:46:33 AM** **Rack 4, Tube 41****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.2482u	-0.8302u	-1.3540u
Al 308.215	48141.8	48025.7	47854.6
As 188.980	39.6450	46.9606	38.5061
B 249.678	-7.3187u	-9.7874u	-9.8585u
Ba 389.178	1447.07	1449.33	1444.21
Be 313.042	2.7592	2.7643	2.7462
Ca 370.602	203417	204303	202796
Cd 226.502	1.1728	0.9210	1.1387
Co 228.615	13.7648	14.6558	13.6562
Cr 267.716	94.1891	93.9515	94.2605
Cu 324.754	187.095	186.651	183.197
Fe 271.441	116373	116391	116124
K 766.491	2648.57	2658.02	2648.99
Mg 279.078	8810.38	8809.84	8770.53
Mn 257.610	927.175	927.646	925.195
Mo 202.032	2.7860	2.2698	3.0784
Na 330.237	363.949u	506.773u	850.231u
Ni 231.604	31.7874	32.4675	32.2039
Pb 220.353	18196.2	18130.8	18110.0
Sb 206.834	15.5581	-0.7622	-2.1644
Se 196.026	3.0008	0.2120	-12.9531u
Sn 189.925	121.276	120.830	118.178
Sr 216.596	341.101	338.586	339.484
Ti 334.941	1171.64	1174.42	1167.85
Tl 190.794	2.0601u	2.3426u	-12.8281u
V 292.401	220.457	220.549	220.918
Zn 206.200	1682.59	1667.08	1669.20

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8108	ppb	0.5532	68.2	-136.951
Al 308.215	48007.3	ppb	144.481	0.3	219116
As 188.980	41.7039	ppb	4.5879	11.0	28.9680
B 249.678	-8.9882	ppb	1.4463	16.1	52.9069
Ba 389.178	1446.87	ppb	2.5656	0.2	29543.3
Be 313.042	2.7565	ppb	0.0093	0.3	5100.05
Ca 370.602	203505	ppb	757.6	0.4	571269
Cd 226.502	1.0775	ppb	0.1366	12.7	303.890
Co 228.615	14.0256	ppb	0.5485	3.9	186.630
Cr 267.716	94.1337	ppb	0.1618	0.2	3714.86
Cu 324.754	185.648	ppb	2.1340	1.1	8272.23
Fe 271.441	116296	ppb	149.508	0.1	184212
K 766.491	2651.86	ppb	5.3357	0.2	112229
Mg 279.078	8796.92	ppb	22.8571	0.3	17594.6
Mn 257.610	926.672	ppb	1.3002	0.1	198535
Mo 202.032	2.7114	ppb	0.4094	15.1	25.6519
Na 330.237	573.651	ppb	249.944	43.6	-21.5470
Ni 231.604	32.1529	ppb	0.3429	1.1	82.3940
Pb 220.353	18145.7	ppb	44.9907	0.2	26470.4
Sb 206.834	4.2105	ppb	9.8523	234.0	6.6573
Se 196.026	-3.2468	ppb	8.5208	262.4	-1.3831
Sn 189.925	120.094	ppb	1.6748	1.4	81.1783
Sr 216.596	339.724	ppb	1.2744	0.4	2974.17
Ti 334.941	1171.30	ppb	3.2938	0.3	260760
Tl 190.794	-2.8084	ppb	8.6784	309.0	-12.2491
V 292.401	220.641	ppb	0.2440	0.1	5562.90
Zn 206.200	1672.96	ppb	8.4953	0.5	2517.80

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88612-a-35-b (Samp) **3/31/2013, 5:52:01 AM** **Rack 4, Tube 42****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.5205u	-0.0045	-0.4290u
Al 308.215	90044.8	89079.3	89221.7
As 188.980	14.7548	8.2262	0.0059u
B 249.678	-19.1141u	-20.7492u	-19.8145u
Ba 389.178	472.568	467.846	470.554
Be 313.042	1.7715	1.7510	1.7540
Ca 370.602	5102	5046	5072
Cd 226.502	-0.7021	-0.4865	-0.3659
Co 228.615	8.5530	8.0170	8.4698
Cr 267.716	109.823	108.248	109.047
Cu 324.754	43.2014	42.4720	40.9709
Fe 271.441	89886.4	88989.0	89488.8
K 766.491	4164.81	4131.88	4150.58
Mg 279.078	3810.76	3771.89	3772.90
Mn 257.610	281.119	277.795	279.221
Mo 202.032	0.7121	1.8025	1.5073
Na 330.237	-61.4616u	431.570u	329.726u
Ni 231.604	19.7070	19.3962	17.7866
Pb 220.353	65.5019	57.2797	59.9669
Sb 206.834	-7.4471u	-8.4775u	14.0400
Se 196.026	23.9279	-1.7710u	5.5379
Sn 189.925	20.1832	23.6711	22.5402
Sr 216.596	30.5577	29.7099	28.6303
Ti 334.941	1312.99	1301.71	1298.93
Tl 190.794	-4.4647u	3.7524u	-1.8651u
V 292.401	187.133	184.677	185.958
Zn 206.200	76.7588	74.8866	73.8570

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3180	ppb	0.2753	86.6	-95.2064
Al 308.215	89448.6	ppb	521.232	0.6	408158
As 188.980	7.6623	ppb	7.3906	96.5	5.5316
B 249.678	-19.8926	ppb	0.8203	4.1	-24.4543
Ba 389.178	470.322	ppb	2.3699	0.5	9658.05
Be 313.042	1.7588	ppb	0.0111	0.6	3165.79
Ca 370.602	5073	ppb	27.74	0.5	8182
Cd 226.502	-0.5182	ppb	0.1703	32.9	191.660
Co 228.615	8.3466	ppb	0.2885	3.5	130.820
Cr 267.716	109.039	ppb	0.7878	0.7	4291.72
Cu 324.754	42.2147	ppb	1.1373	2.7	1962.33
Fe 271.441	89454.7	ppb	449.651	0.5	141698
K 766.491	4149.09	ppb	16.5159	0.4	175465
Mg 279.078	3785.18	ppb	22.1550	0.6	7576.93
Mn 257.610	279.378	ppb	1.6675	0.6	60045.0
Mo 202.032	1.3406	ppb	0.5640	42.1	18.8572
Na 330.237	233.278	ppb	260.282	111.6	-20.2278
Ni 231.604	18.9633	ppb	1.0308	5.4	49.9806
Pb 220.353	60.9162	ppb	4.1925	6.9	91.3865
Sb 206.834	-0.6282	ppb	12.7135	2023.7	2.7077
Se 196.026	9.2316	ppb	13.2416	143.4	4.1232
Sn 189.925	22.1315	ppb	1.7795	8.0	13.9497
Sr 216.596	29.6326	ppb	0.9660	3.3	293.853
Ti 334.941	1304.55	ppb	7.4462	0.6	290403
Tl 190.794	-0.8591	ppb	4.1999	488.9	-8.4697
V 292.401	185.923	ppb	1.2282	0.7	4691.67
Zn 206.200	75.1675	ppb	1.4711	2.0	114.722

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88650-a-9-a^10 (Samp) **3/31/2013, 5:57:40 AM** **Rack 4, Tube 43****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.8125u	0.1568	0.5063
Al 308.215	1515.56	1507.86	1509.61
As 188.980	4.3014	1.4973	-2.6176u
B 249.678	-16.6047u	-16.3680u	-17.3269u
Ba 389.178	569.395	570.075	570.503
Be 313.042	0.0258	0.0196	0.0209
Ca 370.602	32812	32673	32727
Cd 226.502	1.6980	1.6056	1.5822
Co 228.615	60.9774	60.6362	62.4662
Cr 267.716	2261.31	2250.70	2270.23
Cu 324.754	27.8272	26.7900	26.5900
Fe 271.441	5406.37	5416.50	5421.14
K 766.491	315.625	315.648	314.310
Mg 279.078	1143.97	1135.32	1133.96
Mn 257.610	53.0574	52.8134	52.8971
Mo 202.032	233.679	231.368	233.023
Na 330.237	1005.63u	823.044u	1300.52
Ni 231.604	32.8933	32.6985	30.5056
Pb 220.353	10653.2	10621.1	10657.7
Sb 206.834	417.331	415.438	414.523
Se 196.026	3.0765	7.2032	6.9284
Sn 189.925	-0.5434u	-4.4401u	8.0199
Sr 216.596	28.3499	28.8694	29.1720
Ti 334.941	95.9752	95.1819	95.5765
Tl 190.794	-3.0134u	8.5706	-0.4016u
V 292.401	0.5029u	0.8148u	1.0185u
Zn 206.200	7543.36	7542.60	7561.91

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0498	ppb	0.6833	1372.3	-80.0577
Al 308.215	1511.01	ppb	4.0370	0.3	7042.30
As 188.980	1.0604	ppb	3.4801	328.2	2.3235
B 249.678	-16.7666	ppb	0.4995	3.0	82.9764
Ba 389.178	569.991	ppb	0.5588	0.1	11573.8
Be 313.042	0.0221	ppb	0.0033	14.9	-133.562
Ca 370.602	32737	ppb	70.24	0.2	92824
Cd 226.502	1.6286	ppb	0.0612	3.8	81.2479
Co 228.615	61.3599	ppb	0.9731	1.6	664.649
Cr 267.716	2260.74	ppb	9.7758	0.4	88492.8
Cu 324.754	27.0691	ppb	0.6641	2.5	1282.46
Fe 271.441	5414.67	ppb	7.5521	0.1	8598.74
K 766.491	315.194	ppb	0.7657	0.2	13537.6
Mg 279.078	1137.75	ppb	5.4307	0.5	2302.99
Mn 257.610	52.9226	ppb	0.1240	0.2	11402.8
Mo 202.032	232.690	ppb	1.1908	0.5	1357.65
Na 330.237	1043.06	ppb	240.931	23.1	-1.5902
Ni 231.604	32.0325	ppb	1.3259	4.1	79.9880
Pb 220.353	10644.0	ppb	19.9588	0.2	15529.3
Sb 206.834	415.764	ppb	1.4317	0.3	325.289
Se 196.026	5.7360	ppb	2.3073	40.2	1.9842
Sn 189.925	1.0121	ppb	6.3740	629.8	-0.5187
Sr 216.596	28.7971	ppb	0.4158	1.4	254.676
Ti 334.941	95.5778	ppb	0.3967	0.4	21249.1
Tl 190.794	1.7185	ppb	6.0761	353.6	-2.2262
V 292.401	0.7788	ppb	0.2597	33.3	-142.934
Zn 206.200	7549.29	ppb	10.9364	0.1	11249.2

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88650-a-18-a^10 (Samp) **3/31/2013, 6:03:10 AM** **Rack 4, Tube 44****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	0.0299	0.8791	-1.7452u
Al 308.215	377.768	378.587	376.592
As 188.980	-2.4488u	-6.3599u	-13.4186u
B 249.678	-19.4535u	-19.7717u	-20.6520u
Ba 389.178	15.2776	15.8910	14.9901
Be 313.042	-0.0210u	-0.0096u	-0.0060u
Ca 370.602	19374	19253	19292
Cd 226.502	1.2524	1.4249	1.6812
Co 228.615	1.3396	1.7654	2.8044
Cr 267.716	4.2139	4.4020	3.4535
Cu 324.754	17.8469	17.5592	17.3852
Fe 271.441	8928.02	8933.11	8924.71
K 766.491	32.7573	32.4077	31.8799
Mg 279.078	774.253	771.549	770.480
Mn 257.610	35.1799	35.0458	35.1930
Mo 202.032	2.1031	2.1697	0.4943
Na 330.237	409.703u	598.880u	512.324u
Ni 231.604	0.9163	0.1246	1.6030
Pb 220.353	2172.48	2176.85	2176.65
Sb 206.834	12.0443	3.1296	2.2908
Se 196.026	16.4229	1.0458	4.8599
Sn 189.925	0.9271	3.2630	3.3297
Sr 216.596	13.0816	13.5943	13.0603
Ti 334.941	114.477	113.774	114.263
Tl 190.794	1.0185	5.7591	-1.1232u
V 292.401	0.2423	1.0172	0.2782
Zn 206.200	4618.70	4601.22	4603.27

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2787	ppb	1.3391	480.4	-94.0612
Al 308.215	377.649	ppb	1.0033	0.3	1847.26
As 188.980	-7.4091	ppb	5.5597	75.0	-3.2390
B 249.678	-19.9591	ppb	0.6209	3.1	49.7678
Ba 389.178	15.3862	ppb	0.4602	3.0	308.373
Be 313.042	-0.0122	ppb	0.0078	64.3	-164.090
Ca 370.602	19306	ppb	61.56	0.3	54329
Cd 226.502	1.4529	ppb	0.2157	14.8	82.8281
Co 228.615	1.9698	ppb	0.7535	38.3	37.3511
Cr 267.716	4.0232	ppb	0.5022	12.5	163.852
Cu 324.754	17.5971	ppb	0.2332	1.3	861.331
Fe 271.441	8928.61	ppb	4.2292	0.0	14151.7
K 766.491	32.3483	ppb	0.4417	1.4	1591.38
Mg 279.078	772.094	ppb	1.9449	0.3	1573.78
Mn 257.610	35.1396	ppb	0.0815	0.2	7607.39
Mo 202.032	1.5891	ppb	0.9486	59.7	23.7636
Na 330.237	506.969	ppb	94.7020	18.7	-7.8930
Ni 231.604	0.8813	ppb	0.7398	83.9	4.6691
Pb 220.353	2175.33	ppb	2.4664	0.1	3177.39
Sb 206.834	5.8216	ppb	5.4054	92.9	5.3630
Se 196.026	7.4429	ppb	8.0074	107.6	2.7932
Sn 189.925	2.5066	ppb	1.3683	54.6	0.5012
Sr 216.596	13.2454	ppb	0.3024	2.3	128.766
Ti 334.941	114.171	ppb	0.3602	0.3	25387.2
Tl 190.794	1.8848	ppb	3.5220	186.9	-2.1465
V 292.401	0.5126	ppb	0.4374	85.3	22.2097
Zn 206.200	4607.73	ppb	9.5570	0.2	6931.89

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88499-a-2-b^5 (Samp) **3/31/2013, 6:08:39 AM** **Rack 4, Tube 45****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-0.9358u	0.1946u	-1.8041u
Al 308.215	10329.8	10311.7	10322.8
As 188.980	46.9814	40.1549	37.3881
B 249.678	-7.5250u	-8.1221u	-7.1155u
Ba 389.178	130.232	131.989	130.270
Be 313.042	0.9800	0.9891	0.9822
Ca 370.602	244880	245135	245178
Cd 226.502	-0.3540	0.1088	-0.0294
Co 228.615	7.8780	8.2122	9.3524
Cr 267.716	26.1927	26.3206	26.5408
Cu 324.754	13.6865	11.9953	11.1330
Fe 271.441	30071.6	30025.8	29989.8
K 766.491	2936.58	2918.73	2904.79
Mg 279.078	8286.16	8268.54	8275.74
Mn 257.610	521.468	522.096	521.458
Mo 202.032	2.5288	2.7068	1.7577
Na 330.237	844.511	685.001	761.210
Ni 231.604	19.7249	23.7576	23.5735
Pb 220.353	14.2167	17.8263	16.4396
Sb 206.834	-3.7631u	2.5959	9.3652
Se 196.026	-0.9421u	20.2022	8.6681
Sn 189.925	1.6392	4.3953	1.3917
Sr 216.596	483.389	482.653	484.595
Ti 334.941	160.714	160.273	160.764
Tl 190.794	1.7849u	0.4519u	3.9805
V 292.401	37.5219	37.0337	38.2131
Zn 206.200	63.7287	63.5825	63.8009

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8484	ppb	1.0022	118.1	-147.533
Al 308.215	10321.4	ppb	9.1228	0.1	47207.1
As 188.980	41.5081	ppb	4.9377	11.9	30.1158
B 249.678	-7.5875	ppb	0.5062	6.7	146.266
Ba 389.178	130.830	ppb	1.0036	0.8	2697.24
Be 313.042	0.9837	ppb	0.0047	0.5	1786.16
Ca 370.602	245064	ppb	161.3	0.1	695671
Cd 226.502	-0.0915	ppb	0.2376	259.6	76.8369
Co 228.615	8.4809	ppb	0.7731	9.1	106.679
Cr 267.716	26.3513	ppb	0.1761	0.7	1043.50
Cu 324.754	12.2716	ppb	1.2990	10.6	632.457
Fe 271.441	30029.1	ppb	40.9736	0.1	47573.5
K 766.491	2920.03	ppb	15.9358	0.5	123555
Mg 279.078	8276.82	ppb	8.8603	0.1	16557.9
Mn 257.610	521.674	ppb	0.3651	0.1	111726
Mo 202.032	2.3311	ppb	0.5045	21.6	27.1546
Na 330.237	763.574	ppb	79.7813	10.4	30.1387
Ni 231.604	22.3520	ppb	2.2770	10.2	57.0243
Pb 220.353	16.1609	ppb	1.8209	11.3	27.9743
Sb 206.834	2.7327	ppb	6.5652	240.3	3.5733
Se 196.026	9.3094	ppb	10.5867	113.7	3.8903
Sn 189.925	2.4754	ppb	1.6673	67.4	0.5563
Sr 216.596	483.546	ppb	0.9807	0.2	4181.65
Ti 334.941	160.583	ppb	0.2703	0.2	35748.5
Tl 190.794	2.0725	ppb	1.7818	86.0	-3.5525
V 292.401	37.5896	ppb	0.5926	1.6	952.992
Zn 206.200	63.7041	ppb	0.1412	0.2	977294

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

680-88499-a-4-b^5 (Samp) **3/31/2013, 6:14:07 AM** **Rack 4, Tube 46****Weight: 1****Volume: 1****Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	-1.7354u	-1.1347u	-1.4851u
Al 308.215	10462.2	10371.5	10242.5
As 188.980	26.3155	22.3062	31.7557
B 249.678	-6.6931u	-5.1717u	-6.7561u
Ba 389.178	125.399	125.314	123.229
Be 313.042	0.9839	0.9686	0.9476
Ca 370.602	285858	282512	278467
Cd 226.502	-0.2701	0.0651	-0.2227
Co 228.615	10.8541	9.4235	9.9431
Cr 267.716	56.0708	55.8232	55.4705
Cu 324.754	12.6857	13.2320	13.4728
Fe 271.441	31760.8	31477.0	30937.9
K 766.491	2653.52	2617.93	2578.68
Mg 279.078	7701.62	7639.96	7537.63
Mn 257.610	451.993	447.826	441.608
Mo 202.032	7.4885	6.5157	6.5752
Na 330.237	994.533	1099.00	1172.97
Ni 231.604	43.0028	43.6838	45.0432
Pb 220.353	18.4846	13.9496	18.2103
Sb 206.834	0.0019	5.5271	-3.1884u
Se 196.026	-14.1484u	5.4129	11.6742
Sn 189.925	-5.3450u	3.8557	-6.7325u
Sr 216.596	436.307	431.299	430.614
Ti 334.941	123.843	122.632	121.310
Tl 190.794	-2.7896u	5.6188	-5.8159u
V 292.401	41.5408	40.8519	39.9239
Zn 206.200	66.0712	62.6094	60.5482

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.4517	ppb	0.3018	20.8	-184.385
Al 308.215	10358.7	ppb	110.435	1.1	47377.8
As 188.980	26.7925	ppb	4.7428	17.7	20.9066
B 249.678	-6.2070	ppb	0.8971	14.5	157.953
Ba 389.178	124.647	ppb	1.2294	1.0	2571.84
Be 313.042	0.9667	ppb	0.0182	1.9	1765.87
Ca 370.602	282279	ppb	3701	1.3	801533
Cd 226.502	-0.1426	ppb	0.1814	127.2	78.0757
Co 228.615	10.0736	ppb	0.7242	7.2	122.530
Cr 267.716	55.7882	ppb	0.3017	0.5	2195.59
Cu 324.754	13.1302	ppb	0.4033	3.1	670.621
Fe 271.441	31391.9	ppb	417.991	1.3	49732.4
K 766.491	2616.71	ppb	37.4323	1.4	110744
Mg 279.078	7626.40	ppb	82.8288	1.1	15260.0
Mn 257.610	447.142	ppb	5.2265	1.2	95791.4
Mo 202.032	6.8598	ppb	0.5453	7.9	53.2322
Na 330.237	1088.84	ppb	89.6532	8.2	45.6782
Ni 231.604	43.9100	ppb	1.0388	2.4	109.217
Pb 220.353	16.8815	ppb	2.5428	15.1	29.0227
Sb 206.834	0.7802	ppb	4.4096	565.2	2.3107
Se 196.026	0.9796	ppb	13.4701	1375.1	0.0058
Sn 189.925	-2.7406	ppb	5.7545	210.0	-3.0071
Sr 216.596	432.740	ppb	3.1081	0.7	3749.42
Ti 334.941	122.595	ppb	1.2670	1.0	27289.5
Tl 190.794	-0.9955	ppb	5.9247	595.1	-6.2440
V 292.401	40.7722	ppb	0.8114	2.0	1029.91
Zn 206.200	63.0762	ppb	2.7999	4.4	96.6975

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

X (Samp) 3/31/2013, 6:19:36 AM Rack 4, Tube 47

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-0.2969u	-0.9170u	0.4879
Al 308.215	10.7708	11.2529	7.0361
As 188.980	-4.1065u	-3.2290u	-5.6479u
B 249.678	-19.2456u	-19.1681u	-19.5760u
Ba 389.178	-0.5297u	-0.4483u	-0.0520u
Be 313.042	-0.0020u	-0.0326u	-0.0319u
Ca 370.602	-11.81u	-11.40u	0.9393
Cd 226.502	-0.0674u	0.3396	0.0141
Co 228.615	-0.2626u	0.1527	0.2694
Cr 267.716	-0.1526u	-0.0136u	-0.4934u
Cu 324.754	-0.9427u	0.3620	-1.0741u
Fe 271.441	4.2291	-1.3799u	-3.6491u
K 766.491	-0.8071u	-0.8172u	-0.1796u
Mg 279.078	6.2971	4.3268	6.4746
Mn 257.610	-0.1215u	-0.1358u	-0.0283u
Mo 202.032	0.3319	-1.4888u	-0.3709u
Na 330.237	11.2264	-137.258u	-156.687u
Ni 231.604	-0.8898u	-2.3691u	0.6057
Pb 220.353	-0.3775u	-2.6749u	0.3433
Sb 206.834	-2.6110u	-3.1309u	-11.8666u
Se 196.026	0.7610	-13.8673u	-7.4804u
Sn 189.925	1.3574	-3.8417u	4.0372
Sr 216.596	-0.0738u	1.0278	0.3139
Ti 334.941	-0.2961u	-0.1492u	-0.1068u
Tl 190.794	4.4918	-3.9291u	-2.8120u
V 292.401	-0.2341u	-0.6765u	-0.4341u
Zn 206.200	-2.6700u	-0.7215u	1.8644

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2420	ppb	0.7040	290.9	-91.2696
Al 308.215	9.6866	ppb	2.3080	23.8	168.591
As 188.980	-4.3278	ppb	1.2245	28.3	-1.3195
B 249.678	-19.3299	ppb	0.2166	1.1	63.9633
Ba 389.178	-0.3433	ppb	0.2555	74.4	-24.0009
Be 313.042	-0.0222	ppb	0.0175	78.9	-188.781
Ca 370.602	-7.422	ppb	7.244	97.6	-41.29
Cd 226.502	0.0954	ppb	0.2153	225.7	17.8316
Co 228.615	0.0532	ppb	0.2796	525.9	14.6836
Cr 267.716	-0.2199	ppb	0.2469	112.3	-4.1451
Cu 324.754	-0.5516	ppb	0.7939	143.9	61.4452
Fe 271.441	-0.2666	ppb	4.0553	1520.9	9.2420
K 766.491	-0.6013	ppb	0.3652	60.7	199.728
Mg 279.078	5.6995	ppb	1.1921	20.9	42.0281
Mn 257.610	-0.0952	ppb	0.0584	61.3	47.2717
Mo 202.032	-0.5093	ppb	0.9182	180.3	12.0086
Na 330.237	-94.2393	ppb	91.8511	97.5	-1.1353
Ni 231.604	-0.8844	ppb	1.4874	168.2	0.2227
Pb 220.353	-0.9031	ppb	1.5762	174.5	3.2339
Sb 206.834	-5.8695	ppb	5.2001	88.6	-3.5201
Se 196.026	-6.8622	ppb	7.3337	106.9	-3.9178
Sn 189.925	0.5176	ppb	4.0060	773.9	-0.8686
Sr 216.596	0.4226	ppb	0.5588	132.2	14.5975
Ti 334.941	-0.1840	ppb	0.0994	54.0	-73.4523
Tl 190.794	-0.7498	ppb	4.5736	610.0	-4.0386
V 292.401	-0.4482	ppb	0.2215	49.4	-3.0710
Zn 206.200	-0.5090	ppb	2.2747	446.8	-1.2348

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

CRI (Samp) 3/31/2013, 6:25:04 AM **Rack 4, Tube 48**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Replicates Concentration		
Ag 328.068	12.5519	10.7690	11.2882
Al 308.215	256.851	254.184	251.944
As 188.980	13.7389	19.7892	21.8873
B 249.678	116.429	118.093	117.180
Ba 389.178	10.5628	10.6278	10.3672
Be 313.042	5.0182	4.9989	5.0177
Ca 370.602	601.5	589.8	600.9
Cd 226.502	6.3801	6.1326	6.6147
Co 228.615	12.1379	12.3533	12.7113
Cr 267.716	11.7946	11.4225	11.6580
Cu 324.754	22.9950	23.3638	21.0978
Fe 271.441	60.7368	59.7432	64.8825
K 766.491	1230.23	1219.31	1220.17
Mg 279.078	695.246	678.304	693.410
Mn 257.610	12.5000	12.3713	12.4023
Mo 202.032	10.4585	10.6606	11.5183
Na 330.237	1105.52	916.722	1020.24
Ni 231.604	49.4410	46.2145	50.5711
Pb 220.353	8.2010	11.7155	15.6716
Sb 206.834	25.0873	26.4827	21.1461
Se 196.026	31.1525	23.8427	24.4500
Sn 189.925	57.4872	64.1535	58.0681
Sr 216.596	12.3103	12.6965	12.6760
Ti 334.941	10.6849	10.6095	10.6626
Tl 190.794	31.5014	32.4235	28.1768
V 292.401	11.2337	10.1937	11.1608
Zn 206.200	27.7026	25.8992	28.1147

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.5364	ppb	0.9170	7.9	659.705
Al 308.215	254.326	ppb	2.4564	1.0	1285.65
As 188.980	18.4718	ppb	4.2309	22.9	13.4216
B 249.678	117.234	ppb	0.8332	0.7	1345.33
Ba 389.178	10.5193	ppb	0.1356	1.3	198.421
Be 313.042	5.0116	ppb	0.0110	0.2	9286.44
Ca 370.602	597.4	ppb	6.568	1.1	1679
Cd 226.502	6.3758	ppb	0.2411	3.8	228.805
Co 228.615	12.4008	ppb	0.2896	2.3	145.155
Cr 267.716	11.6250	ppb	0.1882	1.6	459.426
Cu 324.754	22.4855	ppb	1.2159	5.4	1074.03
Fe 271.441	61.7875	ppb	2.7260	4.4	109.245
K 766.491	1223.24	ppb	6.0707	0.5	51889.5
Mg 279.078	688.987	ppb	9.2969	1.3	1406.65
Mn 257.610	12.4246	ppb	0.0672	0.5	2727.89
Mo 202.032	10.8791	ppb	0.5627	5.2	77.7144
Na 330.237	1014.16	ppb	94.5475	9.3	51.8519
Ni 231.604	48.7422	ppb	2.2608	4.6	120.312
Pb 220.353	11.8627	ppb	3.7375	31.5	21.8300
Sb 206.834	24.2387	ppb	2.7677	11.4	18.9353
Se 196.026	26.4817	ppb	4.0564	15.3	11.5953
Sn 189.925	59.9029	ppb	3.6925	6.2	39.8456
Sr 216.596	12.5609	ppb	0.2173	1.7	117.602
Ti 334.941	10.6523	ppb	0.0388	0.4	2341.28
Tl 190.794	30.7006	ppb	2.2337	7.3	23.9060
V 292.401	10.8627	ppb	0.5806	5.3	278.478
Zn 206.200	27.2389	ppb	1.1783	4.3	42.9313

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Verif (CCV) 3/31/2013, 6:30:33 AM Rack 4, Tube 49

Weight: 1 Volume: 1 Dilution: 1

Label	Replicates Concentration		
Ag 328.068	545.557	538.668	540.876
Al 308.215	5728.66	5762.71	5720.45
As 188.980	599.264	604.980	595.328
B 249.678	698.495	710.460	710.487
Ba 389.178	4686.89	4723.98	4677.08
Be 313.042	546.920	550.776	546.433
Ca 370.602	5565	5627	5568
Cd 226.502	563.852	567.654	563.044
Co 228.615	558.676	559.302	553.824
Cr 267.716	5351.82	5393.53	5350.64
Cu 324.754	4979.87	5013.15	5098.12
Fe 271.441	5727.24	5773.96	5739.79
K 766.491	11486.6	11564.9	11480.4
Mg 279.078	6288.95	6334.82	6285.46
Mn 257.610	5279.57	5316.94	5271.19
Mo 202.032	528.499	534.554	533.922
Na 330.237	9125.32	9160.77	8544.54
Ni 231.604	2835.82	2853.93	2839.98
Pb 220.353	571.961	570.326	574.557
Sb 206.834	1099.55	1098.58	1097.31
Se 196.026	6245.73	6297.11	6229.25
Sn 189.925	5718.18	5707.96	5635.13
Sr 216.596	2717.18	2745.41	2722.82
Ti 334.941	521.316	526.415	522.580
Tl 190.794	5539.04	5566.37	5538.39
V 292.401	5279.25	5313.83	5281.21
Zn 206.200	2988.35	2999.03	2983.55

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	541.701	ppb	3.5177	0.6	34419.9	108.34013
Al 308.215	5737.28	ppb	22.4089	0.4	26277.8	114.74554Q
As 188.980	599.857	ppb	4.8534	0.8	389.123	119.97150Q
B 249.678	706.480	ppb	6.9160	1.0	6869.10	28.25922Q
Ba 389.178	4695.99	ppb	24.7347	0.5	95425.2	93.91971
Be 313.042	548.043	ppb	2.3790	0.4	1031420	109.60864
Ca 370.602	5587	ppb	34.84	0.6	15732	111.73235Q
Cd 226.502	564.850	ppb	2.4619	0.4	18989.4	112.97005Q
Co 228.615	557.268	ppb	2.9984	0.5	5915.68	111.45351Q
Cr 267.716	5365.33	ppb	24.4281	0.5	209982	107.30653
Cu 324.754	5030.38	ppb	60.9752	1.2	221116	100.60762
Fe 271.441	5747.00	ppb	24.1825	0.4	9237.03	114.93993Q
K 766.491	11510.6	ppb	47.0733	0.4	486385	115.10617Q
Mg 279.078	6303.08	ppb	27.5420	0.4	12539.9	126.06155Q
Mn 257.610	5289.23	ppb	24.3528	0.5	1130970	105.78469
Mo 202.032	532.325	ppb	3.3286	0.6	3078.90	106.46498
Na 330.237	8943.54	ppb	346.004	3.9	407.006	119.24722Q
Ni 231.604	2843.24	ppb	9.4870	0.3	6882.66	113.72959Q
Pb 220.353	572.281	ppb	2.1337	0.4	839.144	114.45625Q
Sb 206.834	1098.48	ppb	1.1256	0.1	858.333	109.84821
Se 196.026	6257.37	ppb	35.3951	0.6	2911.14	125.14732Q
Sn 189.925	5687.09	ppb	45.2877	0.8	3897.77	113.74180Q
Sr 216.596	2728.47	ppb	14.9381	0.5	23330.3	109.13880
Ti 334.941	523.437	ppb	2.6552	0.5	116515	104.68742
Tl 190.794	5547.93	ppb	15.9721	0.3	4923.76	110.95860Q
V 292.401	5291.43	ppb	19.4222	0.4	132572	105.82864
Zn 206.200	2990.31	ppb	7.9239	0.3	4483.33	119.61241Q

E03302013.wvq. All Data Report 4/1/2013, 9:16:38 AM

Cont Calib Blank (CCB) 3/31/2013, 6:36:02 AM Rack 4, Tube 50

Weight: 1

Volume: 1

Dilution: 1

Label	Replicates Concentration		
Ag 328.068	-1.9485u	-0.2144u	-0.2673u
Al 308.215	10.9494	17.1197	7.9099
As 188.980	0.3883	-5.3040u	-1.9607u
B 249.678	-1.5882u	-2.5771u	-2.6814u
Ba 389.178	-1.2571u	-0.3484u	-0.0768u
Be 313.042	-0.0071u	-0.0080u	-0.0118u
Ca 370.602	-4.804u	6.057	-3.742u
Cd 226.502	0.0120	-0.0256u	-0.3495u
Co 228.615	0.5354	-0.5541u	0.4637
Cr 267.716	0.0983	0.4290	-0.0800u
Cu 324.754	0.4366	0.4523	1.6858
Fe 271.441	1.9484	1.0670	-5.2717u
K 766.491	0.0426	0.0988	0.9039
Mg 279.078	3.2954	1.6947	5.0563
Mn 257.610	-0.0812u	-0.0309u	0.0340
Mo 202.032	0.6043	-0.1593u	0.6200
Na 330.237	48.8091	-353.981u	-86.9954u
Ni 231.604	0.2841	-0.9927u	1.0556
Pb 220.353	0.6938	-5.4798u	-1.4584u
Sb 206.834	-0.2905u	-0.4369u	7.4009
Se 196.026	8.7807	8.8178	-5.0629u
Sn 189.925	1.6300	4.0278	-2.3525u
Sr 216.596	1.0257	0.7626	0.3168
Ti 334.941	-0.0104u	-0.0967u	0.0431
Tl 190.794	8.8316	5.7556	4.1923
V 292.401	-0.3249u	0.0819	-0.4493u
Zn 206.200	-0.1840u	-1.1113u	0.1688

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.8101	ppb	0.9863	121.8	-127.526	-0.81007
Al 308.215	11.9930	ppb	4.6927	39.1	179.243	11.99301
As 188.980	-2.2921	ppb	2.8606	124.8	-0.0038	-2.29214
B 249.678	-2.2822	ppb	0.6033	26.4	223.928	-2.28224
Ba 389.178	-0.5607	ppb	0.6182	110.2	-28.4174	-0.56074
Be 313.042	-0.0090	ppb	0.0025	27.7	-164.167	-0.00899
Ca 370.602	-0.8298	ppb	5.988	721.6	-22.48	-0.82977
Cd 226.502	-0.1210	ppb	0.1987	164.2	10.5653	-0.12101
Co 228.615	0.1483	ppb	0.6094	410.9	15.6533	0.14829
Cr 267.716	0.1491	ppb	0.2583	173.3	10.2945	0.14908
Cu 324.754	0.8583	ppb	0.7167	83.5	123.430	0.85826
Fe 271.441	-0.7521	ppb	3.9388	523.7	8.4794	-0.75214
K 766.491	0.3484	ppb	0.4819	138.3	239.841	0.34843
Mg 279.078	3.3488	ppb	1.6814	50.2	37.3308	3.34876
Mn 257.610	-0.0261	ppb	0.0577	221.6	62.0422	-0.02606
Mo 202.032	0.3550	ppb	0.4455	125.5	16.9963	0.35498
Na 330.237	-130.722	ppb	204.924	156.8	-2.8896	-130.72243
Ni 231.604	0.1157	ppb	1.0345	894.2	2.6428	0.11568
Pb 220.353	-2.0814	ppb	3.1336	150.6	1.5136	-2.08144
Sb 206.834	2.2245	ppb	4.4835	201.6	2.5036	2.22449
Se 196.026	4.1785	ppb	8.0034	191.5	1.2177	4.17853
Sn 189.925	1.1018	ppb	3.2228	292.5	-0.4682	1.10176
Sr 216.596	0.7017	ppb	0.3583	51.1	16.9244	0.70170
Ti 334.941	-0.0213	ppb	0.0706	330.9	-37.2357	-0.02133
Tl 190.794	6.2598	ppb	2.3604	37.7	2.1922	6.25984
V 292.401	-0.2308	ppb	0.2778	120.4	2.1512	-0.23077
Zn 206.200	-0.3755	ppb	0.6612	176.1	1.24348	-0.37548

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Blank (Blk)		4/2/2013, 1:18:10 PM		Rack S, Tube 1	
Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	0.0000	ppb	1.561	4.2	-37.3521
Al 308.215	0.0000	ppb	4.239	2.9	144.017
As 188.980	0.0000	ppb	0.774	27.3	-2.8339
B 249.678	0.0000	ppb	1.942	3.9	50.1793
Ba 389.178	0.0000	ppb	11.340	88.1	-12.8758
Be 313.042	0.0000	ppb	8.056	3.6	221.364
Ca 370.602	0.0000	ppb	12.176	12.1	100.9
Cd 226.502	0.0000	ppb	2.313	7.4	31.1089
Co 228.615	0.0000	ppb	3.615	141.7	-2.5501
Cr 267.716	0.0000	ppb	0.816	2.5	33.1065
Cu 324.754	0.0000	ppb	4.441	2.6	167.928
Fe 271.441	0.0000	ppb	4.115	16.1	25.6116
K 766.491	0.0000	ppb	4.579	0.1	6881.31
Mg 279.078	0.0000	ppb	2.902	4.2	68.3740
Mn 257.610	0.0000	ppb	7.088	2.5	282.588
Mo 202.032	0.0000	ppb	0.126	2.5	5.0331
Na 330.237	0.0000	ppb	3.398	159.8	2.1266
Ni 231.604	0.0000	ppb	0.943	22.6	4.1761
Pb 220.353	0.0000	ppb	1.894	67.0	2.8283
Sb 206.834	0.0000	ppb	2.268	106.1	2.1380
Se 196.026	0.0000	ppb	2.170	67.7	3.2069
Sn 189.925	0.0000	ppb	2.492	168.6	1.4784
Sr 216.596	0.0000	ppb	3.721	102.7	3.6226
Ti 334.941	0.0000	ppb	9.971	11.8	84.7464
Tl 190.794	0.0000	ppb	3.543	220.6	-1.6057
V 292.401	0.0000	ppb	0.832	3.2	26.1399
Zn 206.200	0.0000	ppb	2.274	14.6	15.5956

HIGH STD (Std)		4/2/2013, 1:23:38 PM		Rack S, Tube 2	
Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Ag 328.068	1000.00	ppb	128.799	0.4	31033.8
Al 308.215	10000.0	ppb	79.233	0.3	27984.8
As 188.980	1000.00	ppb	4.698	1.3	372.940
B 249.678	1000.00	ppb	25.452	0.3	8701.81
Ba 389.178	10000.0	ppb	465.413	0.3	164943
Be 313.042	1000.00	ppb	3072.894	0.2	1507414
Ca 370.602	10000	ppb	127.293	0.3	37883
Cd 226.502	1000.00	ppb	66.805	0.3	22385.6
Co 228.615	1000.00	ppb	22.325	0.3	7938.63
Cr 267.716	10000.0	ppb	397.621	0.2	160106
Cu 324.754	10000.0	ppb	288.126	0.1	361600
Fe 271.441	10000.0	ppb	32.287	0.4	7465.81
K 766.491	20000.0	ppb	8446.562	0.3	2567906
Mg 279.078	10000.0	ppb	32.009	0.3	11559.5
Mn 257.610	10000.0	ppb	2648.200	0.3	946914
Mo 202.032	1000.00	ppb	10.451	0.3	3472.29
Na 330.237	15000.0	ppb	3.271	0.3	979.511
Ni 231.604	5000.00	ppb	40.506	0.3	14542.9
Pb 220.353	1000.00	ppb	1.708	0.2	838.238
Sb 206.834	2000.00	ppb	4.463	0.3	1302.67
Se 196.026	10000.0	ppb	13.781	0.5	2814.71
Sn 189.925	10000.0	ppb	13.584	0.2	6238.21

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD(Int)	%RSD(Int)	Int. (c/s)
Sr 216.596	5000.00	ppb	60.841	0.2	30365.3
Ti 334.941	1000.00	ppb	574.541	0.3	209023
Tl 190.794	10000.0	ppb	11.322	0.2	4678.08
V 292.401	10000.0	ppb	707.900	0.3	281506
Zn 206.200	5000.00	ppb	40.760	0.3	15409.0

Ag 328.068 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-37.3521	0.0000	0.0000	-	-
HIGH STD		31033.8	1000.00	1000.00	0.0000	0.0

Curve Type: Linear

Equation: $y = 31.1 x + -37.4$ **Al 308.215 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		144.017	0.0000	0.0000	-	-
HIGH STD		27984.8	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 2.8 x + 144.0$ **As 188.980 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.8339	0.0000	0.0000	-	-
HIGH STD		372.940	1000.00	1000.00	0.0001	0.0

Curve Type: Linear

Equation: $y = 0.4 x + -2.8$ **B 249.678 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		50.1793	0.0000	0.0000	-	-
HIGH STD		8701.81	1000.00	1000.00	0.0001	0.0

Curve Type: Linear

Equation: $y = 8.7 x + 50.2$ **Ba 389.178 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-12.8758	0.0000	0.0000	-	-
HIGH STD		164943	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 16.5 x + -12.9$ **Be 313.042 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		221.364	0.0000	0.0000	-	-
HIGH STD		1507414	1000.00	1000.00	0.0000	0.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Curve Type: Linear

Equation: $y = 1507.2 x + 221.4$ **Ca 370.602 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		100.9	0.0000	0.0000	-	-
HIGH STD		37883	10000	10000	0.0000	0.0

Curve Type: Linear

Equation: $y = 3.8 x + 100.9$ **Cd 226.502 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		31.1089	0.0000	0.0000	-	-
HIGH STD		22385.6	1000.00	1000.000	-0.0001	0.0

Curve Type: Linear

Equation: $y = 22.4 x + 31.1$ **Co 228.615 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-2.5501	0.0000	0.0000	-	-
HIGH STD		7938.63	1000.00	1000.00	0.0000	0.0

Curve Type: Linear

Equation: $y = 7.9 x + -2.6$ **Cr 267.716 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		33.1065	0.0000	0.0000	-	-
HIGH STD		160106	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 16.0 x + 33.1$ **Cu 324.754 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		167.928	0.0000	0.0000	-	-
HIGH STD		361600	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 36.1 x + 167.9$ **Fe 271.441 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		25.6116	0.0000	0.0000	-	-
HIGH STD		7465.81	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 0.7 x + 25.6$

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

K 766.491 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		6881.31	0.0000	0.0000	-	-
HIGH STD		2567906	20000.0	20000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 128.1 x + 6881.3$ **Mg 279.078 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		68.3740	0.0000	0.0000	-	-
HIGH STD		11559.5	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 1.1 x + 68.4$ **Mn 257.610 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		282.588	0.0000	0.0000	-	-
HIGH STD		946914	10000.0	10000.0	0.0010	0.0

Curve Type: Linear

Equation: $y = 94.7 x + 282.6$ **Mo 202.032 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		5.0331	0.0000	0.0000	-	-
HIGH STD		3472.29	1000.00	1000.00	0.0001	0.0

Curve Type: Linear

Equation: $y = 3.5 x + 5.0$ **Na 330.237 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.1266	0.0000	0.0000	-	-
HIGH STD		979.511	15000.0	15000.0	0.0010	0.0

Curve Type: Linear

Equation: $y = 0.1 x + 2.1$ **Ni 231.604 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		4.1761	0.0000	0.0000	-	-
HIGH STD		14542.9	5000.00	5000.00	-0.0005	0.0

Curve Type: Linear

Equation: $y = 2.9 x + 4.2$ **Pb 220.353 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.8283	0.0000	0.0000	-	-
HIGH STD		838.238	1000.00	1000.000	-0.0001	0.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Curve Type: Linear

Equation: $y = 0.8x + 2.8$ **Sb 206.834 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		2.1380	0.0000	0.0000	-	-
HIGH STD		1302.67	2000.00	2000.00	-0.0004	0.0

Curve Type: Linear

Equation: $y = 0.7x + 2.1$ **Se 196.026 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.2069	0.0000	0.0000	-	-
HIGH STD		2814.71	10000.0	10000.0	0.0000	0.0

Curve Type: Linear

Equation: $y = 0.3x + 3.2$ **Sn 189.925 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		1.4784	0.0000	0.0000	-	-
HIGH STD		6238.21	10000.0	10000.0	0.0010	0.0

Curve Type: Linear

Equation: $y = 0.6x + 1.5$ **Sr 216.596 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		3.6226	0.0000	0.0000	-	-
HIGH STD		30365.3	5000.00	5000.00	0.0000	0.0

Curve Type: Linear

Equation: $y = 6.1x + 3.6$ **Ti 334.941 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		84.7464	0.0000	0.0000	-	-
HIGH STD		209023	1000.00	1000.00	0.0000	0.0

Curve Type: Linear

Equation: $y = 208.9x + 84.7$ **Tl 190.794 Calibration (ppb)** 4/2/2013, 1:23:38 PM **Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		-1.6057	0.0000	0.0000	-	-
HIGH STD		4678.08	10000.0	10000.0	0.0010	0.0

Curve Type: Linear

Equation: $y = 0.5x + -1.6$

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

V 292.401 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		26.1399	0.0000	0.0000	-	-
HIGH STD		281506	10000.0	10000.0	0.0010	0.0

Curve Type: Linear

Equation: $y = 28.1 x + 26.1$ **Zn 206.200 Calibration (ppb) 4/2/2013, 1:23:38 PM Correlation Coefficient: 1.000000**

Label	Flags	Int. (c/s)	Std Conc.	Calc Conc.	Error	%Error
Blank		15.5956	0.0000	0.0000	-	-
HIGH STD		15409.0	5000.00	5000.00	0.0000	0.0

Curve Type: Linear

Equation: $y = 3.1 x + 15.6$ **Lab Control Sample (LCS) 4/2/2013, 1:29:04 PM Rack S, Tube 2****Weight: 1****Volume: 1****Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	1006.32	ppb	1.7511	0.2	31228.0	100.63197
Al 308.215	10115.7	ppb	15.9713	0.2	28821.1	101.15729
As 188.980	1004.75	ppb	8.7171	0.9	376.292	100.47489
B 249.678	1009.62	ppb	1.3023	0.1	8773.39	20.19231F
Ba 389.178	10071.6	ppb	13.8909	0.1	166210	100.71593
Be 313.042	1008.27	ppb	1.3819	0.1	1525716	100.82743
Ca 370.602	10273	ppb	11.21	0.1	37598	102.72569
Cd 226.502	1004.42	ppb	2.4015	0.2	22506.4	100.44158
Co 228.615	1008.28	ppb	0.5722	0.1	8009.74	100.82761
Cr 267.716	10058.3	ppb	23.8518	0.2	160975	100.58315
Cu 324.754	10004.5	ppb	82.7527	0.8	361597	100.04497
Fe 271.441	10071.4	ppb	22.5168	0.2	7642.45	100.71442
K 766.491	20138.5	ppb	5.6460	0.0	2582935	100.69265
Mg 279.078	10122.1	ppb	15.6673	0.2	11646.5	101.22117
Mn 257.610	10089.7	ppb	19.3127	0.2	955453	100.89702
Mo 202.032	1008.51	ppb	2.7630	0.3	3481.74	100.85136
Na 330.237	15299.3	ppb	119.966	0.8	995.247	101.99545
Ni 231.604	5034.53	ppb	10.3793	0.2	14649.2	100.69065
Pb 220.353	1015.00	ppb	2.7446	0.3	839.402	101.49957
Sb 206.834	1928.60	ppb	3.5349	0.2	1321.88	192.86008F
Se 196.026	10048.0	ppb	20.8646	0.2	2830.09	100.48027
Sn 189.925	10096.5	ppb	32.2855	0.3	6298.63	100.96515
Sr 216.596	5050.01	ppb	14.8484	0.3	30461.6	101.00020
Ti 334.941	1006.51	ppb	1.3108	0.1	211006	100.65127
Tl 190.794	10075.7	ppb	10.7869	0.1	4725.09	100.75687
V 292.401	10105.1	ppb	7.5538	0.1	283618	101.05061
Zn 206.200	5045.14	ppb	11.7968	0.2	15510.0	100.90276

Initial Calib Verif (ICV) 4/2/2013, 1:34:30 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	975.699b	ppb	12.5613	1.3	30277.9	97.56990
Al 308.215	947.053b	ppb	4.2439	0.4	2851.36	94.70529

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	1019.45b	ppb	10.6405	1.0	380.468	101.94533
B 249.678	971.380b	ppb	5.4080	0.6	8463.57	97.13798
Ba 389.178	1037.51b	ppb	6.1386	0.6	17114.5	103.75120
Be 313.042	1044.51xb	ppb	6.5169	0.6	1574990	104.45103
Ca 370.602	963.1b	ppb	8.174	0.8	3714	96.31479
Cd 226.502	1043.01xb	ppb	7.0601	0.7	23349.2	104.30051
Co 228.615	1004.52b	ppb	10.5633	1.1	7970.17	100.45211
Cr 267.716	1030.67b	ppb	5.0456	0.5	16524.4	103.06724
Cu 324.754	1027.27b	ppb	13.1696	1.3	37289.1	102.72707
Fe 271.441	957.228b	ppb	5.2737	0.6	791.928	95.72276
K 766.491	9969.84b	ppb	62.7576	0.6	1283252	99.69836
Mg 279.078	975.496b	ppb	12.7262	1.3	1183.87	97.54955
Mn 257.610	1068.75b	ppb	6.8262	0.6	101468	106.87492Q
Mo 202.032	1007.00xb	ppb	6.8246	0.7	3494.57	100.69973
Na 330.237	9510.73b	ppb	165.826	1.7	616.023	95.10727
Ni 231.604	1041.77b	ppb	8.0555	0.8	3033.13	104.17654
Pb 220.353	1021.45b	ppb	9.1727	0.9	853.588	102.14462
Sb 206.834	976.962b	ppb	3.4788	0.4	639.070	97.69618
Se 196.026	985.907b	ppb	10.4764	1.1	280.593	98.59070
Sn 189.925	4950.49b	ppb	29.8344	0.6	3089.21	99.00976
Sr 216.596	4996.48b	ppb	30.0159	0.6	30287.3	99.92969
Ti 334.941	984.336b	ppb	7.3839	0.8	205813	98.43355
Tl 190.794	1004.99b	ppb	9.4206	0.9	470.971	100.49927
V 292.401	1002.00b	ppb	7.0526	0.7	27940.5	100.20030
Zn 206.200	1034.74b	ppb	6.6168	0.6	3197.35	103.47438

Initial Calib Blank (ICB)

4/2/2013, 1:39:56 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	0.6714	ppb	0.8744	130.2	-16.4891	0.67143
Al 308.215	2.7760	ppb	3.2219	116.1	151.774	2.77602
As 188.980	3.0614	ppb	1.8622	60.8	-1.6831	3.06141
B 249.678	1.9814	ppb	0.6708	33.9	67.3298	1.98145
Ba 389.178	0.5537	ppb	0.7258	131.1	-3.7507	0.55366
Be 313.042	0.0899	ppb	0.0601	66.8	356.995	0.08987
Ca 370.602	-7.228	ppb	2.500	34.6	74.90	-7.22757
Cd 226.502	0.1343	ppb	0.1062	79.1	34.0957	0.13428
Co 228.615	-0.1024	ppb	0.6465	631.5	-3.3670	-0.10237
Cr 267.716	0.2624	ppb	0.3211	122.4	37.3092	0.26244
Cu 324.754	0.5642	ppb	0.0934	16.6	188.329	0.56423
Fe 271.441	-4.7552	ppb	7.1024	149.4	22.0663	-4.75519
K 766.491	0.3307	ppb	0.7495	226.7	6923.45	0.33069
Mg 279.078	1.0670	ppb	4.2033	393.9	69.6246	1.06700
Mn 257.610	0.2631	ppb	0.2437	92.6	307.480	0.26307
Mo 202.032	0.4927	ppb	0.5395	109.5	6.7416	0.49271
Na 330.237	-1.1263	ppb	26.2186	2327.8	2.0545	-1.12634
Ni 231.604	-0.4613	ppb	0.5976	129.5	2.8336	-0.46132
Pb 220.353	1.2307	ppb	3.6955	300.3	3.8558	1.23070
Sb 206.834	0.9551	ppb	1.9235	201.4	2.7603	0.95514
Se 196.026	2.4678	ppb	10.1720	412.2	3.9009	2.46777
Sn 189.925	-1.8758	ppb	1.1471	61.2	0.3086	-1.87577
Sr 216.596	0.2065	ppb	0.4125	199.7	4.8834	0.20654
Ti 334.941	0.2023	ppb	0.0879	43.5	127.939	0.20232

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-0.4482	ppb	2.7894	622.4	-1.8154	-0.44818
V 292.401	0.3416	ppb	0.2750	80.5	35.6238	0.34158
Zn 206.200	-0.3326	ppb	0.6941	208.7	14.5698	-0.33256

CRI (CRI)

4/2/2013, 1:52:24 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	11.0615	ppb	0.2074	1.9	306.315	110.61531
Al 308.215	207.700	ppb	1.0119	0.5	722.942	103.85001
As 188.980	21.1718	ppb	1.8928	8.9	5.1107	105.85887
B 249.678	99.0438	ppb	0.4497	0.5	907.128	99.04385
Ba 389.178	10.1312	ppb	1.1085	10.9	155.337	101.31198
Be 313.042	4.1508	ppb	0.0157	0.4	6482.17	103.77042
Ca 370.602	518.1	ppb	1.926	0.4	2056	103.61853
Cd 226.502	4.6741	ppb	0.1825	3.9	135.655	93.48253
Co 228.615	9.3811	ppb	0.1952	2.1	71.9167	93.81089
Cr 267.716	9.3864	ppb	0.0866	0.9	183.299	93.86446
Cu 324.754	19.8156	ppb	0.6859	3.5	882.904	99.07819
Fe 271.441	22.4689	ppb	0.7860	3.5	42.8299	44.93777R
K 766.491	1043.12	ppb	1.5392	0.1	140451	104.31168
Mg 279.078	522.348	ppb	3.5160	0.7	668.523	104.46952
Mn 257.610	8.3267	ppb	0.0551	0.7	1072.25	83.26730
Mo 202.032	9.7570	ppb	0.3231	3.3	38.8453	97.57030
Na 330.237	827.147	ppb	62.0279	7.5	55.9748	82.71473
Ni 231.604	41.5009	ppb	0.7614	1.8	124.876	103.75223
Pb 220.353	8.0487	ppb	5.3026	65.9	9.5075	80.48730
Sb 206.834	18.3800	ppb	2.2986	12.5	14.0674	91.89995
Se 196.026	23.0720	ppb	10.1899	44.2	9.7004	115.36014
Sn 189.925	47.1144	ppb	3.9896	8.5	30.8631	94.22887
Sr 216.596	8.7233	ppb	0.3482	4.0	54.9096	87.23283
Ti 334.941	9.5025	ppb	0.1063	1.1	2071.25	95.02545
Tl 190.794	24.4731	ppb	1.4568	6.0	9.8608	97.89249
V 292.401	9.5889	ppb	0.0118	0.1	293.358	95.88867
Zn 206.200	18.3390	ppb	0.3634	2.0	72.0391	91.69493

Interf Check A (ICSA)

4/2/2013, 1:57:52 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	0.4745	ppb	0.5520	116.3	-60.9869	0.47452
Al 308.215	558455	ppb	5761.48	1.0	1554908	-
As 188.980	-29.4933	ppb	23.2709	78.9	-21.3797	-29.49330
B 249.678	11.4133	ppb	0.9474	8.3	-299.680	11.41325
Ba 389.178	-2.2305	ppb	1.1929	53.5	1183.95	-2.23051
Be 313.042	-0.2522	ppb	0.0203	8.0	2.0267	-0.25224
Ca 370.602	511641	ppb	6195	1.2	1897795	-
Cd 226.502	1.4755	ppb	0.2847	19.3	511.511	1.47554
Co 228.615	0.1370	ppb	1.5592	1138.3	1.7999	0.13698
Cr 267.716	-1.8045	ppb	0.7080	39.2	-98.6168	-1.80448
Cu 324.754	4.2370	ppb	0.3478	8.2	-942.189	4.23704
Fe 271.441	195203	ppb	2211.01	1.1	145260	-
K 766.491	-33.7679	ppb	0.4059	1.2	2530.57	-33.76790

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	543808	ppb	5489.09	1.0	624281	-
Mn 257.610	-1.0282	ppb	0.2895	28.2	1749.95	-1.02819
Mo 202.032	-2.8588	ppb	1.4467	50.6	-22.8553	-2.85880
Na 330.237	134.547	ppb	91.3666	67.9	-80.4256	134.54704
Ni 231.604	3.6406	ppb	1.5372	42.2	47.3149	3.64056
Pb 220.353	-7.6953	ppb	3.8912	50.6	-64.7786	-7.69531
Sb 206.834	-2.5658	ppb	11.7113	456.4	10.1544	-2.56579
Se 196.026	-12.3746	ppb	6.9663	56.3	2.5690	-12.37464
Sn 189.925	-0.5225	ppb	6.8272	1306.7	-0.7557	-0.52247
Sr 216.596	-3.8240	ppb	1.2646	33.1	103.430	-3.82399
Ti 334.941	5.6977	ppb	0.1516	2.7	1863.40	5.69772
Tl 190.794	-9.8487	ppb	1.2028	12.2	-25.1862	-9.84871
V 292.401	0.0066	ppb	0.2776	4206.7	68.7288	0.00660
Zn 206.200	6.1165	ppb	0.7302	11.9	57.6773	6.11650

Interf Check AB (ICSAB)

4/2/2013, 2:03:20 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	222.268	ppb	14.8387	6.7	6832.57	111.13386
Al 308.215	568502	ppb	39443.0	6.9	1582929	113.70045
As 188.980	83.4046	ppb	16.0468	19.2	21.0768	83.40462
B 249.678	11.3543	ppb	2.7309	24.1	-306.107	-
Ba 389.178	529.976	ppb	41.2839	7.8	9994.41	105.99514
Be 313.042	521.276	ppb	36.1168	6.9	786240	104.25510
Ca 370.602	518620	ppb	33122	6.4	1923665	103.72397
Cd 226.502	1018.41	ppb	74.9724	7.4	23251.4	101.84149
Co 228.615	506.995	ppb	34.9885	6.9	4007.70	101.39898
Cr 267.716	524.702	ppb	34.8275	6.6	8323.52	104.94043
Cu 324.754	573.134	ppb	32.2003	5.6	19610.8	114.62671
Fe 271.441	198006	ppb	13723.1	6.9	147374	99.00291
K 766.491	-33.6350	ppb	0.8115	2.4	2403.63	-
Mg 279.078	556104	ppb	37173.3	6.7	638400	111.22076
Mn 257.610	532.260	ppb	38.2538	7.2	52262.6	106.45201
Mo 202.032	1100.45	ppb	75.7516	6.9	3801.40	110.04478
Na 330.237	273.382	ppb	272.539	99.7	-71.0868	-
Ni 231.604	998.173	ppb	69.6189	7.0	2939.25	99.81731
Pb 220.353	40.0336	ppb	6.4859	16.2	-27.9838	80.06712
Sb 206.834	615.249	ppb	56.4751	9.2	415.149	102.54144
Se 196.026	59.8767	ppb	25.1568	42.0	23.0453	119.75347
Sn 189.925	1040.69	ppb	74.8220	7.2	648.592	104.06882
Sr 216.596	-4.3444	ppb	0.1936	4.5	45.2798	-
Ti 334.941	-0.6619	ppb	0.2294	34.7	574.475	-
Tl 190.794	81.2340	ppb	3.8810	4.8	17.3859	81.23396
V 292.401	508.701	ppb	34.8148	6.8	14097.5	101.74013
Zn 206.200	987.946	ppb	65.2908	6.6	3078.84	98.79462

LRA1 (Samp)

4/2/2013, 2:08:48 PM

Rack S, Tube 7

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5113b	ppb	0.0946	18.5	-31.7519
Al 308.215	94.9068b	ppb	4.8072	5.1	408.609

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	18985.8xb	ppb	112.735	0.6	7129.59
B 249.678	4922.08b	ppb	39.0070	0.8	42846.7
Ba 389.178	-2.3655b	ppb	0.4323	18.3	-51.1618
Be 313.042	0.1768b	ppb	0.0089	5.0	471.330
Ca 370.602	96.07b	ppb	2.801	2.9	4552
Cd 226.502	-1.3658b	ppb	0.1077	7.9	2.2257
Co 228.615	10458.4b	ppb	69.0422	0.7	83477.6
Cr 267.716	-1.4900b	ppb	0.2914	19.6	68.2533
Cu 324.754	61.4106b	ppb	0.4125	0.7	2253.26
Fe 271.441	173.701b	ppb	8.7933	5.1	630.697
K 766.491	35.0259b	ppb	0.5213	1.5	11367.2
Mg 279.078	62.8740b	ppb	10.2773	16.3	87.1105
Mn 257.610	29322.6xb	ppb	217.844	0.7	2776379
Mo 202.032	-1.0897b	ppb	0.8424	77.3	1.1273
Na 330.237	99012.5xb	ppb	583.148	0.6	6232.63
Ni 231.604	10257.2b	ppb	74.8904	0.7	29822.5
Pb 220.353	19766.4xb	ppb	111.516	0.6	16514.6
Sb 206.834	77.9835b	ppb	5.5631	7.1	3.9744
Se 196.026	-6.2233b	ppb	8.8725	142.6	7.1305
Sn 189.925	-10.9751b	ppb	4.3607	39.7	2.3789
Sr 216.596	-6.0611b	ppb	1.4803	24.4	-412.558
Ti 334.941	30990.8b	ppb	211.640	0.7	6475230
Tl 190.794	14.4035b	ppb	4.5237	31.4	42.6904
V 292.401	1.3269b	ppb	0.2893	21.8	287.446
Zn 206.200	44.7671b	ppb	0.2529	0.6	153.410

LRA2 (Samp)

4/2/2013, 2:14:17 PM

Rack S, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4881b	ppb	0.4778	97.9	-190.434
Al 308.215	874814xb	ppb	17722.6	2.0	2435602
As 188.980	-121.105b	ppb	2.5644	2.1	-60.3227
B 249.678	44.3166b	ppb	3.5178	7.9	-1627.43
Ba 389.178	2.7949b	ppb	3.3963	121.5	2584.60
Be 313.042	-0.1406b	ppb	0.0102	7.3	240.044
Ca 370.602	772962b	ppb	16863	2.2	2757871
Cd 226.502	7.9784b	ppb	2.5537	32.0	2145.35
Co 228.615	3.0874b	ppb	0.8815	28.6	36.8246
Cr 267.716	6.8736b	ppb	0.5666	8.2	-334.951
Cu 324.754	4.1839b	ppb	1.5220	36.4	-1317.34
Fe 271.441	896645b	ppb	20174.7	2.3	667147
K 766.491	322484oxb	ppb	7863.92	2.4	41301356
Mg 279.078	821915b	ppb	16174.2	2.0	941396
Mn 257.610	19.4672b	ppb	1.0410	5.3	5154.11
Mo 202.032	-5.5744b	ppb	1.9288	34.6	-119.166
Na 330.237	3892.77b	ppb	103.534	2.7	-119.692
Ni 231.604	3.5555b	ppb	0.7837	22.0	99.7413
Pb 220.353	9.1046b	ppb	16.0191	175.9	-88.3707
Sb 206.834	-10.7164b	ppb	17.0871	159.4	25.2440
Se 196.026	42.8286b	ppb	34.8621	81.4	7.0351
Sn 189.925	1.8011b	ppb	7.3174	406.3	-0.1681
Sr 216.596	-6.1201b	ppb	4.8018	78.5	435.661
Ti 334.941	19.8144b	ppb	0.8562	4.3	5133.69

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-37.8239b	ppb	7.3124	19.3	-73.4505
V 292.401	0.5550b	ppb	0.6920	124.7	227.112
Zn 206.200	27079.9b	ppb	571.811	2.1	83435.3

rinse (Samp)

4/2/2013, 2:19:45 PM

Rack S, Tube 1

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1702	ppb	0.5041	296.2	-32.0773
Al 308.215	43.0815	ppb	6.7480	15.7	263.961
As 188.980	10.4337	ppb	3.0470	29.2	1.0862
B 249.678	2.1246	ppb	0.0987	4.6	68.4512
Ba 389.178	0.5780	ppb	0.3519	60.9	-3.2076
Be 313.042	0.0094	ppb	0.0050	53.5	235.702
Ca 370.602	40.43	ppb	5.724	14.2	244.8
Cd 226.502	0.1795	ppb	0.1618	90.2	35.2280
Co 228.615	0.2831	ppb	0.2630	92.9	-0.2839
Cr 267.716	0.1688	ppb	0.5033	298.1	35.7813
Cu 324.754	0.1145	ppb	0.1948	170.1	171.968
Fe 271.441	51.7847	ppb	13.1078	25.3	64.1443
K 766.491	23.4327	ppb	4.0031	17.1	9881.67
Mg 279.078	44.3138	ppb	5.2634	11.9	119.122
Mn 257.610	0.3450	ppb	0.1122	32.5	315.418
Mo 202.032	-0.4415	ppb	0.7861	178.1	3.4959
Na 330.237	36.7031	ppb	32.6467	88.9	4.4910
Ni 231.604	0.0944	ppb	0.3843	407.3	4.4558
Pb 220.353	-2.2041	ppb	2.8151	127.7	0.9831
Sb 206.834	2.8377	ppb	2.1391	75.4	3.9880
Se 196.026	2.4006	ppb	1.3124	54.7	3.8814
Sn 189.925	-2.2304	ppb	3.2103	143.9	0.0874
Sr 216.596	-0.2621	ppb	0.2840	108.4	2.0590
Ti 334.941	0.7862	ppb	0.0558	7.1	249.086
Tl 190.794	2.1119	ppb	2.3444	111.0	-0.6190
V 292.401	0.2965	ppb	0.1146	38.6	34.5633
Zn 206.200	0.8641	ppb	0.2763	32.0	18.2572

Cont Calib Verif (CCV)

4/2/2013, 2:25:10 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	499.142	ppb	2.9689	0.6	15471.1	99.82846
Al 308.215	5087.55	ppb	39.0483	0.8	14561.1	101.75108
As 188.980	502.526	ppb	11.9018	2.4	186.773	100.50523
B 249.678	521.307	ppb	5.1021	1.0	4554.22	20.85226Q
Ba 389.178	4893.25	ppb	55.3247	1.1	80746.7	97.86499
Be 313.042	489.779	ppb	6.1335	1.3	741280	97.95579
Ca 370.602	5142	ppb	55.35	1.1	18861	102.83398
Cd 226.502	487.322	ppb	4.9664	1.0	10936.1	97.46449
Co 228.615	492.158	ppb	7.6827	1.6	3908.44	98.43166
Cr 267.716	4939.39	ppb	59.3529	1.2	79067.6	98.78780
Cu 324.754	4861.70	ppb	56.4902	1.2	175803	97.23396
Fe 271.441	5084.68	ppb	52.6172	1.0	3869.29	101.69361
K 766.491	10004.8	ppb	96.5004	1.0	1286691	100.04792

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	5041.50	ppb	53.6241	1.1	5834.76	100.82991
Mn 257.610	5077.36	ppb	57.8043	1.1	480945	101.54712
Mo 202.032	498.252	ppb	4.7424	1.0	1722.72	99.65046
Na 330.237	7486.27	ppb	124.528	1.7	487.924	99.81693
Ni 231.604	2465.41	ppb	28.5977	1.2	7175.91	98.61659
Pb 220.353	500.516	ppb	2.8481	0.6	415.366	100.10321
Sb 206.834	947.163	ppb	12.0048	1.3	650.126	37.88653Q
Se 196.026	4934.93	ppb	51.2427	1.0	1391.61	98.69867
Sn 189.925	4997.63	ppb	56.3591	1.1	3118.47	99.95251
Sr 216.596	2456.21	ppb	24.2210	1.0	14817.1	98.24860
Ti 334.941	502.330	ppb	5.3822	1.1	105346	100.46595
Tl 190.794	5002.91	ppb	62.3144	1.2	2345.29	100.05826
V 292.401	4970.12	ppb	47.2712	1.0	139509	99.40249
Zn 206.200	2460.44	ppb	29.8202	1.2	7571.88	98.41744

Cont Calib Blank (CCB)

4/2/2013, 2:30:35 PM

Rack 1, Tube 2

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.9525	ppb	0.4124	43.3	-7.7555	0.95249
Al 308.215	-18.6353	ppb	1.3831	7.4	92.2647	-18.63527
As 188.980	-2.8105	ppb	7.2086	256.5	-3.8892	-2.81051
B 249.678	0.5816	ppb	0.2804	48.2	55.2717	0.58164
Ba 389.178	2.3945	ppb	0.7813	32.6	26.5557	2.39453
Be 313.042	0.1417	ppb	0.0119	8.4	436.539	0.14166
Ca 370.602	-29.91	ppb	1.839	6.1	-6.136	-29.91234
Cd 226.502	-0.4068	ppb	0.2103	51.7	21.9461	-0.40675
Co 228.615	-0.8549	ppb	0.5098	59.6	-9.3283	-0.85489
Cr 267.716	2.1673	ppb	0.0829	3.8	67.7989	2.16728
Cu 324.754	1.8308	ppb	0.0734	4.0	234.119	1.83084
Fe 271.441	-31.1495	ppb	5.4513	17.5	2.4164	-31.14946Z
K 766.491	-23.7037	ppb	1.1417	4.8	3845.32	-23.70368
Mg 279.078	-21.4061	ppb	3.6336	17.0	43.8886	-21.40613
Mn 257.610	1.1949	ppb	0.2036	17.0	395.609	1.19488
Mo 202.032	-0.1630	ppb	0.8504	521.9	4.4668	-0.16296
Na 330.237	-21.6378	ppb	44.0759	203.7	0.7300	-21.63777
Ni 231.604	1.0228	ppb	1.6499	161.3	7.1521	1.02279
Pb 220.353	-1.9740	ppb	3.0709	155.6	1.1808	-1.97400
Sb 206.834	2.6585	ppb	1.2304	46.3	3.8825	2.65852
Se 196.026	6.3511	ppb	0.5075	8.0	4.9932	6.35105
Sn 189.925	0.5636	ppb	1.4737	261.5	1.8301	0.56363
Sr 216.596	-0.0708	ppb	0.7489	1057.5	3.1442	-0.07082
Ti 334.941	0.0901	ppb	0.1225	135.9	103.680	0.09014
Tl 190.794	7.9088	ppb	0.7648	9.7	2.0992	7.90877
V 292.401	2.7678	ppb	0.2982	10.8	104.009	2.76777
Zn 206.200	-0.9218	ppb	0.6840	74.2	12.7479	-0.92181

Cont Calib Verif (CCV)

4/2/2013, 3:11:18 PM

Rack 1, Tube 13

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	497.247	ppb	2.9222	0.6	15412.1	99.44936
Al 308.215	4990.80	ppb	27.2846	0.5	14291.7	99.81606

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	496.025	ppb	3.4276	0.7	184.332	99.20507
B 249.678	518.508	ppb	2.2903	0.4	4530.20	20.74032Q
Ba 389.178	4887.00	ppb	15.5305	0.3	80643.3	97.73995
Be 313.042	488.793	ppb	2.2596	0.5	739795	97.75865
Ca 370.602	5034	ppb	20.57	0.4	18470	100.68266
Cd 226.502	484.558	ppb	2.1856	0.5	10874.1	96.91156
Co 228.615	490.214	ppb	1.3466	0.3	3892.98	98.04272
Cr 267.716	4923.90	ppb	13.6657	0.3	78819.7	98.47810
Cu 324.754	4855.35	ppb	22.3235	0.5	175574	97.10699
Fe 271.441	4992.72	ppb	29.4138	0.6	3800.84	99.85436
K 766.491	9975.71	ppb	39.9111	0.4	1282968	99.75711
Mg 279.078	4934.99	ppb	35.0998	0.7	5712.70	98.69989
Mn 257.610	5059.62	ppb	14.7742	0.3	479265	101.19245
Mo 202.032	500.279	ppb	1.6214	0.3	1729.75	100.05573
Na 330.237	7439.28	ppb	82.9864	1.1	484.907	99.19038
Ni 231.604	2457.64	ppb	10.8588	0.4	7153.29	98.30574
Pb 220.353	494.428	ppb	2.0392	0.4	410.298	98.88564
Sb 206.834	940.832	ppb	7.1384	0.8	646.003	37.63327Q
Se 196.026	4923.27	ppb	23.2316	0.5	1388.33	98.46537
Sn 189.925	4980.04	ppb	16.0802	0.3	3107.51	99.60078
Sr 216.596	2455.83	ppb	9.8955	0.4	14815.0	98.23308
Ti 334.941	499.310	ppb	1.7186	0.3	104715	99.86190
Tl 190.794	4983.96	ppb	18.5761	0.4	2336.43	99.67923
V 292.401	4972.90	ppb	21.2875	0.4	139588	99.45808
Zn 206.200	2449.12	ppb	8.2268	0.3	7537.06	97.96498

Cont Calib Blank (CCB)

4/2/2013, 3:16:43 PM

Rack 1, Tube 14

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.5533	ppb	0.2539	45.9	-20.1538	0.55334
Al 308.215	-42.5706	ppb	2.6571	6.2	25.4720	-42.57062
As 188.980	6.3443	ppb	1.1660	18.4	-0.4492	6.34427
B 249.678	-0.4150	ppb	0.4732	114.0	46.6735	-0.41500
Ba 389.178	-1.1174	ppb	0.7423	66.4	-31.4532	-1.11742
Be 313.042	-0.1925	ppb	0.0115	6.0	-68.9610	-0.19250
Ca 370.602	-53.89	ppb	2.412	4.5	-94.42	-53.89241
Cd 226.502	-0.9318	ppb	0.1724	18.5	10.1773	-0.93183
Co 228.615	-1.2347	ppb	0.4104	33.2	-12.3570	-1.23469
Cr 267.716	-1.4416	ppb	0.2935	20.4	10.0557	-1.44160
Cu 324.754	-1.2440	ppb	0.0649	5.2	123.085	-1.24398
Fe 271.441	-45.1748	ppb	4.8196	10.7	-8.0604	-45.17482Z
K 766.491	-36.8229	ppb	0.1999	0.5	2166.36	-36.82286
Mg 279.078	-43.4082	ppb	7.7405	17.8	18.6618	-43.40819
Mn 257.610	-2.7064	ppb	0.0805	3.0	26.2240	-2.70636
Mo 202.032	-0.2098	ppb	0.4364	208.1	4.3120	-0.20975
Na 330.237	-42.7871	ppb	14.0029	32.7	-0.6409	-42.78705
Ni 231.604	-1.5783	ppb	1.3501	85.5	-0.4176	-1.57830
Pb 220.353	-4.2042	ppb	0.8578	20.4	-0.6768	-4.20423
Sb 206.834	5.3160	ppb	3.9795	74.9	5.5817	5.31596
Se 196.026	-2.5068	ppb	4.8333	192.8	2.5020	-2.50676
Sn 189.925	-1.8418	ppb	1.9610	106.5	0.3298	-1.84178
Sr 216.596	-1.4826	ppb	0.2490	16.8	-5.3388	-1.48258
Ti 334.941	-0.6429	ppb	0.1166	18.1	49.7321	-0.64293

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	-0.0103	ppb	2.5339	24627.9	-1.6101	-0.01029
V 292.401	-0.3960	ppb	0.2565	64.8	15.1810	-0.39597
Zn 206.200	-3.6566	ppb	0.2084	5.7	4.3411	-3.65664

mb 680-271534/1-a (Samp)

4/2/2013, 3:22:09 PM

Rack 1, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0271	ppb	0.4016	1484.3	-38.1990
Al 308.215	-38.9745	ppb	2.5599	6.6	35.4571
As 188.980	-1.0638	ppb	3.2265	303.3	-3.2332
B 249.678	1.9766	ppb	0.6271	31.7	67.2564
Ba 389.178	-1.0206	ppb	0.9815	96.2	-29.8071
Be 313.042	-0.2063	ppb	0.0031	1.5	-89.7492
Ca 370.602	-49.45	ppb	2.397	4.8	-86.19
Cd 226.502	-0.8751	ppb	0.0665	7.6	11.5443
Co 228.615	-1.3948	ppb	0.1796	12.9	-13.6187
Cr 267.716	-1.4708	ppb	0.5659	38.5	9.5636
Cu 324.754	-1.1603	ppb	0.2214	19.1	126.123
Fe 271.441	2.6181	ppb	7.4168	283.3	27.4851
K 766.491	-36.6971	ppb	0.3738	1.0	2182.45
Mg 279.078	-36.0018	ppb	6.7592	18.8	27.0074
Mn 257.610	-2.8055	ppb	0.1167	4.2	16.8916
Mo 202.032	-0.7739	ppb	0.6563	84.8	2.3503
Na 330.237	-105.267	ppb	42.4186	40.3	-4.7338
Ni 231.604	-0.8287	ppb	1.1875	143.3	1.7623
Pb 220.353	0.1644	ppb	3.4874	2121.7	2.9731
Sb 206.834	1.6224	ppb	2.5930	159.8	3.1856
Se 196.026	-3.1296	ppb	3.2930	105.2	2.3259
Sn 189.925	-1.8173	ppb	3.7287	205.2	0.3450
Sr 216.596	-1.9372	ppb	0.8250	42.6	-8.0897
Ti 334.941	-0.6668	ppb	0.0107	1.6	-54.7021
Tl 190.794	-5.3321	ppb	2.3076	43.3	-4.1026
V 292.401	-0.6017	ppb	0.1120	18.6	9.5218
Zn 206.200	-3.7124	ppb	0.5759	15.5	4.1698

lcs 680-271534/2-a (Samp)

4/2/2013, 3:27:34 PM

Rack 1, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	33.4223	ppb	0.6692	2.0	1002.85
Al 308.215	10312.1	ppb	27.1623	0.3	28867.1
As 188.980	203.617	ppb	4.4709	2.2	73.5731
B 249.678	386.882	ppb	0.4259	0.1	3374.42
Ba 389.178	210.882	ppb	0.5969	0.3	3498.01
Be 313.042	106.370	ppb	0.1871	0.2	160644
Ca 370.602	10139	ppb	19.36	0.2	36627
Cd 226.502	104.891	ppb	0.1617	0.2	2397.78
Co 228.615	104.314	ppb	0.5789	0.6	825.450
Cr 267.716	210.410	ppb	0.2985	0.1	3395.80
Cu 324.754	209.638	ppb	0.6596	0.3	7721.00
Fe 271.441	10122.0	ppb	6.6305	0.1	7563.13
K 766.491	10092.7	ppb	9.7325	0.1	1299208

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	10048.0	ppb	28.1743	0.3	11577.2
Mn 257.610	1085.35	ppb	1.7699	0.2	103064
Mo 202.032	206.277	ppb	0.7035	0.3	718.688
Na 330.237	9453.93	ppb	83.3332	0.9	612.288
Ni 231.604	207.662	ppb	1.3599	0.7	608.933
Pb 220.353	98.9298	ppb	3.0538	3.1	83.8236
Sb 206.834	96.6950	ppb	1.8684	1.9	66.2294
Se 196.026	191.688	ppb	8.5844	4.5	57.2289
Sn 189.925	394.736	ppb	2.8088	0.7	247.681
Sr 216.596	202.696	ppb	0.9726	0.5	1228.36
Ti 334.941	201.508	ppb	0.3171	0.2	42211.5
Tl 190.794	79.0821	ppb	7.7697	9.8	35.0867
V 292.401	205.410	ppb	0.3492	0.2	5749.38
Zn 206.200	203.581	ppb	2.3576	1.2	642.133

lcs 680-271534/3-a (Samp) 4/2/2013, 3:33:00 PM Rack 1, Tube 17

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	409.973b	ppb	1.6030	0.4	12709.5
Al 308.215	4116.26b	ppb	8.2034	0.2	11627.9
As 188.980	399.381b	ppb	1.0603	0.3	146.717
B 249.678	771.605b	ppb	1.8039	0.2	6635.65
Ba 389.178	387.713b	ppb	1.3465	0.3	6508.83
Be 313.042	409.200b	ppb	0.4048	0.1	617165
Ca 370.602	40482b	ppb	35.64	0.1	145722
Cd 226.502	403.260b	ppb	0.3808	0.1	9132.69
Co 228.615	408.255b	ppb	0.9021	0.2	3238.88
Cr 267.716	413.306b	ppb	1.7251	0.4	6629.16
Cu 324.754	416.799b	ppb	1.2118	0.3	15141.5
Fe 271.441	41331.6b	ppb	46.7603	0.1	30799.2
K 766.491	39117.8xb	ppb	6.2654	0.0	5015861
Mg 279.078	40263.2b	ppb	115.381	0.3	46182.9
Mn 257.610	4247.02b	ppb	3.5414	0.1	402468
Mo 202.032	402.819b	ppb	1.2891	0.3	1395.65
Na 330.237	37013.9b	ppb	84.7242	0.2	2392.36
Ni 231.604	408.695b	ppb	2.3549	0.6	1196.24
Pb 220.353	393.924b	ppb	4.3311	1.1	330.257
Sb 206.834	378.619b	ppb	6.5481	1.7	253.388
Se 196.026	404.572b	ppb	1.5408	0.4	117.304
Sn 189.925	386.890b	ppb	1.2471	0.3	242.733
Sr 216.596	419.251b	ppb	1.4352	0.3	2548.13
Ti 334.941	394.618b	ppb	0.2942	0.1	82604.3
Tl 190.794	74.4418b	ppb	2.6898	3.6	32.0203
V 292.401	402.537b	ppb	0.0988	0.0	11242.1
Zn 206.200	376.187b	ppb	1.5236	0.4	1174.54

lb 680-271071/19-c (Samp) 4/2/2013, 3:38:27 PM Rack 1, Tube 18

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.8743b	ppb	0.2190	25.1	-10.1979
Al 308.215	-37.5981b	ppb	2.1860	5.8	39.2701

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-4.2059b	ppb	5.5453	131.8	-4.4184
B 249.678	40.3770b	ppb	0.6912	1.7	399.467
Ba 389.178	-0.5045b	ppb	0.7528	149.2	-21.1614
Be 313.042	-0.1966b	ppb	0.0098	5.0	-85.6686
Ca 370.602	264.1b	ppb	2.528	1.0	1097
Cd 226.502	-0.7476b	ppb	0.1509	20.2	14.0361
Co 228.615	-1.2670b	ppb	0.2350	18.5	-12.5934
Cr 267.716	-1.1095b	ppb	0.1518	13.7	16.0194
Cu 324.754	-0.8635b	ppb	0.3873	44.8	136.004
Fe 271.441	12.2628b	ppb	11.6794	95.2	34.6667
K 766.491	48.6059b	ppb	0.7119	1.5	13105.4
Mg 279.078	22.0749b	ppb	2.6672	12.1	93.7072
Mn 257.610	-2.6821b	ppb	0.0606	2.3	28.4972
Mo 202.032	-1.0584b	ppb	1.0927	103.2	1.3628
Na 330.237	118320xb	ppb	1175.72	1.0	7711.72
Ni 231.604	-0.8999b	ppb	1.3204	146.7	1.5570
Pb 220.353	-2.5611b	ppb	3.3094	129.2	0.6964
Sb 206.834	0.8382b	ppb	3.4411	410.5	2.6843
Se 196.026	-3.1742b	ppb	6.2897	198.1	2.3146
Sn 189.925	-3.9843b	ppb	3.1713	79.6	-0.9773
Sr 216.596	-1.1589b	ppb	0.6750	58.2	-3.3357
Ti 334.941	-0.6219b	ppb	0.0527	8.5	-51.5896
Tl 190.794	-8.1392b	ppb	3.5502	43.6	-5.4189
V 292.401	-0.7048b	ppb	0.1282	18.2	5.8161
Zn 206.200	-0.6635b	ppb	0.9633	145.2	13.5576

680-88627-b-1-k (Samp)

4/2/2013, 3:43:53 PM

Rack 1, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0748b	ppb	0.1722	230.3	-34.9261
Al 308.215	-31.1731b	ppb	1.4422	4.6	57.1727
As 188.980	3.4156b	ppb	4.6853	137.2	-1.5985
B 249.678	40.3957b	ppb	0.6305	1.6	399.745
Ba 389.178	14.6314b	ppb	0.3990	2.7	229.464
Be 313.042	-0.1775b	ppb	0.0078	4.4	-56.2942
Ca 370.602	3369b	ppb	9.951	0.3	12836
Cd 226.502	-0.8015b	ppb	0.0341	4.3	12.7273
Co 228.615	-0.7165b	ppb	0.5341	74.5	-8.2214
Cr 267.716	-1.3458b	ppb	0.4595	34.1	12.3063
Cu 324.754	0.4349b	ppb	0.3799	87.4	174.519
Fe 271.441	-34.9196b	ppb	6.4437	18.5	-0.4141
K 766.491	314.466b	ppb	1.4490	0.5	47145.1
Mg 279.078	565.265b	ppb	1.4225	0.3	718.018
Mn 257.610	22.3894b	ppb	0.0895	0.4	2403.13
Mo 202.032	-1.0053b	ppb	0.7953	79.1	1.5529
Na 330.237	120869xb	ppb	141.860	0.1	7877.84
Ni 231.604	0.0585b	ppb	1.0068	1720.6	4.3664
Pb 220.353	-1.0144b	ppb	1.4036	138.4	1.9875
Sb 206.834	5.3075b	ppb	5.4639	102.9	5.6150
Se 196.026	-2.2584b	ppb	1.8075	80.0	2.5911
Sn 189.925	-4.6163b	ppb	5.0135	108.6	-1.3827
Sr 216.596	35.8468b	ppb	0.6952	1.9	221.444
Ti 334.941	-0.7112b	ppb	0.0210	2.9	67.0871

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.5560b	ppb	1.0279	66.1	-0.9091
V 292.401	-0.6401b	ppb	0.3418	53.4	7.4779
Zn 206.200	3.2814b	ppb	0.4426	13.5	25.7208

680-88627-b-1-kSD^5 (Samp) 4/2/2013, 3:49:20 PM Rack 1, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1800	ppb	0.2684	149.1	-31.7346
Al 308.215	-36.0125	ppb	0.3079	0.9	43.6974
As 188.980	-2.4032	ppb	5.4939	228.6	-3.7474
B 249.678	8.2771	ppb	0.7834	9.5	121.869
Ba 389.178	2.6191	ppb	0.2534	9.7	30.4379
Be 313.042	-0.2084	ppb	0.0047	2.3	-95.2147
Ca 370.602	718.5	ppb	3.178	0.4	2823
Cd 226.502	-0.6959	ppb	0.0560	8.1	15.3860
Co 228.615	-1.1036	ppb	0.2351	21.3	-11.3065
Cr 267.716	-1.3733	ppb	0.2493	18.2	11.3005
Cu 324.754	-1.1173	ppb	0.1101	9.9	125.587
Fe 271.441	-38.0437	ppb	4.7067	12.4	-2.7449
K 766.491	33.6215	ppb	0.0777	0.2	11185.8
Mg 279.078	88.1908	ppb	4.9178	5.6	169.850
Mn 257.610	2.7982	ppb	0.1134	4.1	547.586
Mo 202.032	-0.8570	ppb	0.8776	102.4	2.0678
Na 330.237	25591.4	ppb	258.524	1.0	1669.66
Ni 231.604	-0.7324	ppb	0.9112	124.4	2.0468
Pb 220.353	-3.3727	ppb	1.6136	47.8	0.0179
Sb 206.834	2.0193	ppb	2.8230	139.8	3.4528
Se 196.026	3.5845	ppb	5.5095	153.7	4.2188
Sn 189.925	-4.5158	ppb	2.2392	49.6	-1.3343
Sr 216.596	6.8062	ppb	0.2767	4.1	45.0099
Ti 334.941	-0.7704	ppb	0.0147	1.9	-76.9576
Tl 190.794	-1.1787	ppb	6.4393	546.3	-2.1640
V 292.401	-0.8355	ppb	0.3609	43.2	2.7101
Zn 206.200	-1.6797	ppb	0.3198	19.0	10.4311

680-88627-b-1-kPDS (Samp) 4/2/2013, 3:54:47 PM Rack 1, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	56.9748b	ppb	0.2245	0.4	1734.72
Al 308.215	2287.26b	ppb	8.7249	0.4	6539.59
As 188.980	2363.60b	ppb	14.6029	0.6	885.251
B 249.678	38.9934b	ppb	1.0368	2.7	397.207
Ba 389.178	2414.88b	ppb	6.9852	0.3	39826.5
Be 313.042	59.7091b	ppb	0.1222	0.2	90542.2
Ca 370.602	3344b	ppb	8.276	0.2	12558
Cd 226.502	59.3709b	ppb	0.0694	0.1	1360.52
Co 228.615	604.426b	ppb	1.5365	0.3	4798.74
Cr 267.716	239.356b	ppb	0.1728	0.1	3861.20
Cu 324.754	299.314b	ppb	1.2817	0.4	10971.4
Fe 271.441	1122.68b	ppb	4.5309	0.4	893.219
K 766.491	314.249b	ppb	1.2090	0.4	46471.6

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	567.258b	ppb	3.4444	0.6	715.012
Mn 257.610	642.969b	ppb	1.3312	0.2	61150.4
Mo 202.032	-0.9765b	ppb	0.8431	86.3	0.4455
Na 330.237	119605xb	ppb	476.983	0.4	7795.91
Ni 231.604	590.822b	ppb	3.2418	0.5	1723.12
Pb 220.353	574.614b	ppb	2.4004	0.4	482.337
Sb 206.834	561.163b	ppb	3.9085	0.7	369.027
Se 196.026	2313.04b	ppb	6.9978	0.3	653.640
Sn 189.925	-4.6460b	ppb	2.4579	52.9	-1.4012
Sr 216.596	38.4224b	ppb	0.6029	1.6	215.540
Ti 334.941	-0.7069b	ppb	0.0048	0.7	-49.5129
Tl 190.794	2336.51b	ppb	17.9808	0.8	1093.32
V 292.401	577.395b	ppb	1.6621	0.3	16262.6
Zn 206.200	599.410b	ppb	3.6824	0.6	1860.11

680-88627-b-1-l ms (Samp)

4/2/2013, 4:00:14 PM

Rack 1, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	66.0639b	ppb	0.8367	1.3	2017.18
Al 308.215	792.566b	ppb	3.9483	0.5	2355.31
As 188.980	79.8464b	ppb	1.3819	1.7	27.0273
B 249.678	181.185b	ppb	1.5581	0.9	1600.19
Ba 389.178	88.7345b	ppb	1.2767	1.4	1475.99
Be 313.042	81.4895b	ppb	0.6602	0.8	123074
Ca 370.602	10728b	ppb	76.51	0.7	39210
Cd 226.502	80.6779b	ppb	0.4696	0.6	1851.24
Co 228.615	80.7768b	ppb	0.5217	0.6	638.809
Cr 267.716	80.3532b	ppb	0.9279	1.2	1316.07
Cu 324.754	83.3619b	ppb	0.8779	1.1	3155.48
Fe 271.441	8048.39b	ppb	65.1904	0.8	6018.13
K 766.491	8958.26b	ppb	47.2465	0.5	1153973
Mg 279.078	8156.19b	ppb	41.4557	0.5	9410.99
Mn 257.610	872.940b	ppb	7.5829	0.9	82947.5
Mo 202.032	78.5266b	ppb	1.0642	1.4	276.123
Na 330.237	103271xb	ppb	233.944	0.2	6726.98
Ni 231.604	82.0248b	ppb	1.4530	1.8	243.410
Pb 220.353	76.9833b	ppb	4.3834	5.7	66.8182
Sb 206.834	78.3560b	ppb	6.1568	7.9	54.0988
Se 196.026	72.1037b	ppb	11.7143	16.2	23.5673
Sn 189.925	77.5969b	ppb	1.0925	1.4	49.8803
Sr 216.596	107.715b	ppb	2.0797	1.9	657.464
Ti 334.941	78.3267b	ppb	0.7808	1.0	16461.2
Tl 190.794	14.8443b	ppb	2.6193	17.6	5.0822
V 292.401	79.5475b	ppb	0.8338	1.0	2241.91
Zn 206.200	84.0194b	ppb	1.6955	2.0	274.427

680-88627-b-1-m msd (Samp)

4/2/2013, 4:05:42 PM

Rack 1, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	66.6296b	ppb	0.3647	0.5	2034.78
Al 308.215	797.777b	ppb	4.0832	0.5	2369.86

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	74.2520b	ppb	2.1982	3.0	24.9244
B 249.678	183.303b	ppb	0.2126	0.1	1618.53
Ba 389.178	89.6469b	ppb	0.6925	0.8	1491.15
Be 313.042	82.8240b	ppb	0.1265	0.2	125085
Ca 370.602	10793b	ppb	15.80	0.1	39457
Cd 226.502	81.0617b	ppb	0.3864	0.5	1859.79
Co 228.615	80.6816b	ppb	0.8017	1.0	638.048
Cr 267.716	81.7834b	ppb	0.5914	0.7	1338.98
Cu 324.754	83.3179b	ppb	0.3790	0.5	3153.72
Fe 271.441	8035.06b	ppb	11.1700	0.1	6008.21
K 766.491	8939.68b	ppb	14.1964	0.2	1151593
Mg 279.078	8205.21b	ppb	9.8807	0.1	9467.34
Mn 257.610	879.790b	ppb	1.1276	0.1	83596.2
Mo 202.032	79.2708b	ppb	1.4740	1.9	278.704
Na 330.237	103786xb	ppb	959.753	0.9	6760.54
Ni 231.604	82.7700b	ppb	1.4466	1.7	245.580
Pb 220.353	80.3265b	ppb	6.5044	8.1	69.6082
Sb 206.834	76.8165b	ppb	5.1001	6.6	53.1166
Se 196.026	73.4605b	ppb	1.7734	2.4	23.9509
Sn 189.925	75.4987b	ppb	1.0055	1.3	48.5718
Sr 216.596	109.458b	ppb	0.5628	0.5	668.006
Ti 334.941	78.9557b	ppb	0.2145	0.3	16592.8
Tl 190.794	17.9448b	ppb	4.0095	22.3	6.5324
V 292.401	79.9000b	ppb	0.0236	0.0	2251.55
Zn 206.200	85.2590b	ppb	0.7299	0.9	278.241

680-88776-a-1-b (Samp)

4/2/2013, 4:11:10 PM

Rack 1, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2381b	ppb	0.7374	309.7	-44.6411
Al 308.215	-25.4390b	ppb	0.9822	3.9	73.1457
As 188.980	-7.5149b	ppb	5.1072	68.0	-5.6774
B 249.678	40.9439b	ppb	0.4071	1.0	404.492
Ba 389.178	44.3411b	ppb	0.4151	0.9	718.922
Be 313.042	-0.1885b	ppb	0.0092	4.9	-72.8926
Ca 370.602	1374b	ppb	1.234	0.1	5299
Cd 226.502	-0.7577b	ppb	0.0408	5.4	13.7108
Co 228.615	-1.1993b	ppb	0.7520	62.7	-12.0403
Cr 267.716	-1.4061b	ppb	0.1209	8.6	11.3130
Cu 324.754	0.0301b	ppb	0.4997	1657.9	165.279
Fe 271.441	-40.8947b	ppb	7.5548	18.5	-4.8752
K 766.491	547.023b	ppb	1.1455	0.2	76916.4
Mg 279.078	230.357b	ppb	2.5882	1.1	333.190
Mn 257.610	22.7927b	ppb	0.0539	0.2	2440.49
Mo 202.032	-0.8696b	ppb	0.4872	56.0	2.0243
Na 330.237	115209xb	ppb	493.029	0.4	7509.03
Ni 231.604	-1.0412b	ppb	1.4153	135.9	1.1541
Pb 220.353	28.4547b	ppb	1.2506	4.4	26.6055
Sb 206.834	-0.1352b	ppb	1.5045	1113.1	2.0595
Se 196.026	-15.1023b	ppb	1.2519	8.3	-1.0281
Sn 189.925	-4.7538b	ppb	3.3798	71.1	-1.4622
Sr 216.596	0.7998b	ppb	0.8817	110.2	8.5755
Ti 334.941	-0.6322b	ppb	0.0407	6.4	53.4020

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-2.7757b	ppb	8.9522	322.5	-2.9177
V 292.401	-0.5615b	ppb	0.1838	32.7	9.6905
Zn 206.200	-0.9222b	ppb	0.4727	51.3	12.7679

Cont Calib Verif (CCV)

4/2/2013, 4:16:37 PM

Rack 1, Tube 25

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	496.892	ppb	2.7530	0.6	15401.2	99.37832
Al 308.215	5000.36	ppb	10.3120	0.2	14319.0	100.00722
As 188.980	495.290	ppb	7.2590	1.5	184.057	99.05804
B 249.678	517.059	ppb	1.0681	0.2	4517.68	20.68235Q
Ba 389.178	4896.38	ppb	14.1902	0.3	80798.1	97.92759
Be 313.042	489.529	ppb	1.4310	0.3	740913	97.90582
Ca 370.602	5047	ppb	9.710	0.2	18517	100.93564
Cd 226.502	485.221	ppb	2.4910	0.5	10888.9	97.04425
Co 228.615	491.275	ppb	2.4012	0.5	3901.41	98.25500
Cr 267.716	4922.14	ppb	26.5292	0.5	78791.5	98.44289
Cu 324.754	4819.28	ppb	2.4267	0.1	174270	96.38559
Fe 271.441	4998.95	ppb	15.6881	0.3	3805.70	99.97893
K 766.491	9993.30	ppb	18.9432	0.2	1285218	99.93299
Mg 279.078	4944.84	ppb	9.1961	0.2	5723.98	98.89677
Mn 257.610	5063.76	ppb	18.7543	0.4	479657	101.27519
Mo 202.032	501.087	ppb	1.7305	0.3	1732.52	100.21733
Na 330.237	7540.51	ppb	123.072	1.6	491.488	100.54015
Ni 231.604	2460.12	ppb	9.9214	0.4	7160.48	98.40466
Pb 220.353	501.306	ppb	7.7993	1.6	416.036	100.26128
Sb 206.834	939.798	ppb	5.5747	0.6	645.352	37.59193Q
Se 196.026	4927.70	ppb	22.8116	0.5	1389.57	98.55392
Sn 189.925	4970.00	ppb	20.3177	0.4	3101.25	99.40005
Sr 216.596	2451.98	ppb	7.1325	0.3	14791.5	98.07934
Ti 334.941	500.142	ppb	1.7845	0.4	104889	100.02843
Tl 190.794	4998.72	ppb	19.1867	0.4	2343.35	99.97449
V 292.401	4987.08	ppb	9.7946	0.2	139986	99.74152
Zn 206.200	2445.54	ppb	6.1971	0.3	7526.00	97.82153

Cont Calib Blank (CCB)

4/2/2013, 4:22:02 PM

Rack 1, Tube 26

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

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	0.1603	ppb	0.4439	277.0	-32.3691	0.16027
Al 308.215	-35.9760	ppb	0.9347	2.6	43.8279	-35.97598
As 188.980	4.4843	ppb	2.6679	59.5	-1.1480	4.48431
B 249.678	-0.1502	ppb	0.2272	151.2	48.9690	-0.15023
Ba 389.178	-0.0158	ppb	0.4226	2666.9	-13.2735	-0.01584
Be 313.042	-0.1643	ppb	0.0249	15.2	-26.2790	-0.16426
Ca 370.602	-50.88	ppb	3.492	6.9	-83.93	-50.88255
Cd 226.502	-0.6486	ppb	0.2533	39.0	16.5189	-0.64861
Co 228.615	-0.6465	ppb	0.0629	9.7	-7.6775	-0.64649
Cr 267.716	-1.3893	ppb	0.1703	12.3	10.8888	-1.38935
Cu 324.754	-0.9665	ppb	0.3660	37.9	133.094	-0.96653
Fe 271.441	-40.0174	ppb	1.9982	5.0	-4.1962	-40.01742Z
K 766.491	-36.3238	ppb	0.4195	1.2	2229.98	-36.32378

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-40.6627	ppb	2.8401	7.0	21.7985	-40.66268
Mn 257.610	-2.3640	ppb	0.3044	12.9	58.6416	-2.36403
Mo 202.032	-0.9449	ppb	0.6104	64.6	1.7621	-0.94492
Na 330.237	23.9454	ppb	86.2846	360.3	3.7058	23.94536
Ni 231.604	-2.5165	ppb	0.3308	13.1	-3.1450	-2.51652
Pb 220.353	1.5804	ppb	3.2403	205.0	4.1561	1.58036
Sb 206.834	1.5980	ppb	2.0606	128.9	3.1659	1.59800
Se 196.026	-6.3791	ppb	8.4726	132.8	1.4133	-6.37905
Sn 189.925	-0.6902	ppb	3.4238	496.0	1.0480	-0.69024
Sr 216.596	-1.8974	ppb	0.3516	18.5	-7.8089	-1.89742
Ti 334.941	-0.5977	ppb	0.0672	11.2	-40.2571	-0.59768
Tl 190.794	0.5689	ppb	2.2945	403.3	-1.3377	0.56886
V 292.401	-0.2439	ppb	0.2517	103.2	19.5516	-0.24387
Zn 206.200	-3.0777	ppb	0.7133	23.2	6.1224	-3.07766

680-88776-a-2-b (Samp)

4/2/2013, 4:27:28 PM

Rack 1, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2710b	ppb	0.2987	110.2	-28.9195
Al 308.215	-20.2452b	ppb	1.8497	9.1	87.5796
As 188.980	-6.9244b	ppb	3.1244	45.1	-5.4442
B 249.678	12.8471b	ppb	0.3831	3.0	161.155
Ba 389.178	30.3190b	ppb	0.4503	1.5	487.513
Be 313.042	-0.1988b	ppb	0.0076	3.8	-88.2223
Ca 370.602	556.2b	ppb	3.715	0.7	2189
Cd 226.502	-0.7331b	ppb	0.0882	12.0	14.5192
Co 228.615	-0.6574b	ppb	0.2445	37.2	-7.7426
Cr 267.716	-1.4717b	ppb	0.2645	18.0	10.1426
Cu 324.754	-0.3527b	ppb	0.3902	110.6	153.715
Fe 271.441	73.9971b	ppb	2.6829	3.6	80.6197
K 766.491	315.765b	ppb	0.7448	0.2	47307.3
Mg 279.078	110.214b	ppb	4.6201	4.2	194.763
Mn 257.610	4.6828b	ppb	0.0556	1.2	725.970
Mo 202.032	-1.2652b	ppb	0.3597	28.4	0.6383
Na 330.237	108797xb	ppb	36.9072	0.0	7091.19
Ni 231.604	-0.6254b	ppb	1.3342	213.3	2.3665
Pb 220.353	20.3281b	ppb	2.1224	10.4	19.8157
Sb 206.834	3.7063b	ppb	4.8584	131.1	4.5520
Se 196.026	-1.5570b	ppb	8.3784	538.1	2.7709
Sn 189.925	-3.3360b	ppb	2.3076	69.2	-0.5766
Sr 216.596	0.3784b	ppb	0.6123	161.8	6.0203
Ti 334.941	-0.6803b	ppb	0.0213	3.1	-62.9578
Tl 190.794	2.0368b	ppb	4.9045	240.8	-0.6622
V 292.401	-0.8376b	ppb	0.0781	9.3	2.0598
Zn 206.200	-0.9324b	ppb	0.2813	30.2	12.7351

680-88776-a-3-b (Samp)

4/2/2013, 4:32:53 PM

Rack 1, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0214b	ppb	0.5434	2541.8	-36.6634
Al 308.215	2.8473b	ppb	1.2087	42.5	151.874

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	5.3732b	ppb	7.6435	142.3	-0.8276
B 249.678	45.6856b	ppb	2.3004	5.0	445.258
Ba 389.178	92.1960b	ppb	3.2690	3.5	1508.60
Be 313.042	-0.1677b	ppb	0.0109	6.5	-41.8311
Ca 370.602	871.3b	ppb	34.63	4.0	3379
Cd 226.502	-0.7727b	ppb	0.1403	18.2	13.6295
Co 228.615	-0.3081b	ppb	0.2890	93.8	-4.9308
Cr 267.716	-1.3975b	ppb	0.0685	4.9	11.3725
Cu 324.754	0.2146b	ppb	0.1516	70.7	173.373
Fe 271.441	81.1825b	ppb	11.9776	14.8	85.9962
K 766.491	265.601b	ppb	9.8359	3.7	40867.0
Mg 279.078	307.320b	ppb	11.0600	3.6	421.225
Mn 257.610	8.6434b	ppb	0.4897	5.7	1101.39
Mo 202.032	-1.1257b	ppb	1.3438	119.4	1.1208
Na 330.237	116075xb	ppb	3217.31	2.8	7565.41
Ni 231.604	-0.6469b	ppb	0.1636	25.3	2.3102
Pb 220.353	3.8472b	ppb	3.8292	99.5	6.0449
Sb 206.834	3.2249b	ppb	1.1246	34.9	4.2365
Se 196.026	-8.6926b	ppb	1.9648	22.6	0.7677
Sn 189.925	-1.0876b	ppb	1.1544	106.1	0.8264
Sr 216.596	0.0328b	ppb	0.4264	1300.7	3.9441
Ti 334.941	-0.5965b	ppb	0.0269	4.5	-45.5175
Tl 190.794	-2.2316b	ppb	3.0642	137.3	-2.6618
V 292.401	-0.6412b	ppb	0.2166	33.8	7.5675
Zn 206.200	-0.5663b	ppb	1.4445	255.1	13.8694

680-88776-a-4-b (Samp)

4/2/2013, 4:38:19 PM

Rack 1, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0487b	ppb	0.4446	913.3	-35.7529
Al 308.215	-20.9553b	ppb	3.8584	18.4	85.6120
As 188.980	3.3466b	ppb	3.9102	116.8	-1.5922
B 249.678	54.3415b	ppb	0.3167	0.6	520.426
Ba 389.178	95.5260b	ppb	0.7434	0.8	1563.81
Be 313.042	-0.1770b	ppb	0.0096	5.4	-55.7047
Ca 370.602	1097b	ppb	9.285	0.8	4255
Cd 226.502	-0.6630b	ppb	0.0901	13.6	15.8233
Co 228.615	-0.9532b	ppb	0.2831	29.7	-10.0530
Cr 267.716	-1.2934b	ppb	0.3416	26.4	13.1125
Cu 324.754	0.2079b	ppb	0.3858	185.5	172.483
Fe 271.441	-44.6591b	ppb	3.0900	6.9	-7.6589
K 766.491	529.993b	ppb	1.8957	0.4	74721.8
Mg 279.078	548.803b	ppb	1.5251	0.3	699.146
Mn 257.610	17.9705b	ppb	0.1633	0.9	1984.76
Mo 202.032	-0.9877b	ppb	0.0731	7.4	1.6157
Na 330.237	114860xb	ppb	567.718	0.5	7486.34
Ni 231.604	-0.4824b	ppb	0.7325	151.8	2.7912
Pb 220.353	-1.0120b	ppb	3.3928	335.3	1.9893
Sb 206.834	1.4529b	ppb	1.7220	118.5	3.0896
Se 196.026	2.4452b	ppb	7.8671	321.7	3.9056
Sn 189.925	-5.2435b	ppb	1.6143	30.8	-1.7667
Sr 216.596	0.5494b	ppb	0.2888	52.6	7.0252
Ti 334.941	-0.6417b	ppb	0.0391	6.1	54.6601

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.0613b	ppb	4.2848	6991.2	-1.5865
V 292.401	-0.8066b	ppb	0.1953	24.2	2.8836
Zn 206.200	0.3277b	ppb	0.8642	263.7	16.6266

680-88776-a-5-b (Samp) 4/2/2013, 4:43:45 PM Rack 1, Tube 30
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9744b	ppb	1.2868	132.1	-7.0923
Al 308.215	26.9541b	ppb	2.9486	10.9	218.977
As 188.980	-4.4174b	ppb	4.1682	94.4	-4.5101
B 249.678	41.1663b	ppb	0.2394	0.6	405.989
Ba 389.178	37.5871b	ppb	0.4073	1.1	608.342
Be 313.042	-0.1734b	ppb	0.0076	4.4	-49.7639
Ca 370.602	1115b	ppb	12.54	1.1	4288
Cd 226.502	-0.7389b	ppb	0.2637	35.7	14.5525
Co 228.615	-1.1931b	ppb	0.3788	31.7	-11.9943
Cr 267.716	-1.4773b	ppb	0.3128	21.2	10.0062
Cu 324.754	-0.3014b	ppb	0.1315	43.6	154.115
Fe 271.441	145.157b	ppb	5.1957	3.6	133.555
K 766.491	160.798b	ppb	2.6850	1.7	27461.5
Mg 279.078	568.906b	ppb	9.5932	1.7	721.602
Mn 257.610	2.0798b	ppb	0.0280	1.3	480.788
Mo 202.032	-1.2325b	ppb	0.8478	68.8	0.7431
Na 330.237	107453xb	ppb	1668.90	1.6	7003.59
Ni 231.604	-0.8725b	ppb	0.2460	28.2	1.6692
Pb 220.353	2.7165b	ppb	2.4986	92.0	5.0973
Sb 206.834	1.2974b	ppb	2.8594	220.4	2.9895
Se 196.026	-2.2800b	ppb	2.9582	129.7	2.5704
Sn 189.925	-4.5667b	ppb	2.7515	60.3	-1.3465
Sr 216.596	-0.2365b	ppb	0.6190	261.8	2.3528
Ti 334.941	-0.6515b	ppb	0.0180	2.8	-56.2804
Tl 190.794	-0.6765b	ppb	2.6917	397.9	-1.9414
V 292.401	-0.9280b	ppb	0.1717	18.5	-0.4885
Zn 206.200	-0.3914b	ppb	0.7405	189.2	14.4188

680-88776-a-6-b (Samp) 4/2/2013, 4:49:12 PM Rack 1, Tube 31
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5808b	ppb	0.9394	161.7	-19.2558
Al 308.215	-8.2944b	ppb	2.6978	32.5	120.866
As 188.980	2.5604b	ppb	8.2698	323.0	-1.8902
B 249.678	37.7391b	ppb	0.3113	0.8	376.738
Ba 389.178	75.1502b	ppb	0.2850	0.4	1227.33
Be 313.042	-0.1765b	ppb	0.0112	6.3	-54.8690
Ca 370.602	1280b	ppb	1.212	0.1	4943
Cd 226.502	-0.8510b	ppb	0.1402	16.5	11.6619
Co 228.615	-0.7158b	ppb	0.6089	85.1	-8.1830
Cr 267.716	-1.3317b	ppb	0.3253	24.4	12.4725
Cu 324.754	-0.3764b	ppb	0.1233	32.8	150.858
Fe 271.441	-25.0259b	ppb	3.5963	14.4	6.9412
K 766.491	289.131b	ppb	0.4205	0.1	43884.6

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	332.613b	ppb	6.1771	1.9	450.664
Mn 257.610	10.2704b	ppb	0.1544	1.5	1255.34
Mo 202.032	-1.3374b	ppb	0.1238	9.3	0.4007
Na 330.237	113594xb	ppb	409.523	0.4	7403.83
Ni 231.604	-0.4003b	ppb	1.1032	275.6	3.0238
Pb 220.353	-0.9395b	ppb	1.9395	206.4	2.0477
Sb 206.834	2.4702b	ppb	0.8965	36.3	3.7479
Se 196.026	-1.9931b	ppb	12.2170	613.0	2.6552
Sn 189.925	-2.1476b	ppb	1.2274	57.2	0.1632
Sr 216.596	2.2714b	ppb	0.1918	8.4	17.4909
Ti 334.941	-0.6801b	ppb	0.0446	6.6	-62.4141
Tl 190.794	1.1466b	ppb	7.1897	627.0	-1.0817
V 292.401	-0.7227b	ppb	0.3301	45.7	5.2161
Zn 206.200	-2.2679b	ppb	0.7739	34.1	8.6279

680-88776-a-7-b (Samp)

4/2/2013, 4:54:39 PM

Rack 1, Tube 32

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4033b	ppb	0.6626	164.3	-24.7644
Al 308.215	-18.4128b	ppb	6.6692	36.2	92.6894
As 188.980	-2.5818b	ppb	4.8689	188.6	-3.8257
B 249.678	45.6830b	ppb	0.9721	2.1	445.317
Ba 389.178	22.8609b	ppb	0.7557	3.3	364.750
Be 313.042	-0.1781b	ppb	0.0061	3.4	-56.9579
Ca 370.602	1520b	ppb	23.50	1.5	5837
Cd 226.502	-0.7096b	ppb	0.1725	24.3	14.9711
Co 228.615	-0.5452b	ppb	0.2746	50.4	-6.8606
Cr 267.716	-1.2674b	ppb	0.2889	22.8	13.4519
Cu 324.754	3.4661b	ppb	0.1602	4.6	289.110
Fe 271.441	38.6113b	ppb	6.4754	16.8	54.2987
K 766.491	339.760b	ppb	5.5169	1.6	50381.9
Mg 279.078	267.596b	ppb	6.3797	2.4	375.714
Mn 257.610	14.9033b	ppb	0.3249	2.2	1693.84
Mo 202.032	-0.8739b	ppb	0.4385	50.2	1.9993
Na 330.237	110066xb	ppb	1901.08	1.7	7173.90
Ni 231.604	-1.4799b	ppb	0.7048	47.6	-0.1145
Pb 220.353	-0.7736b	ppb	1.3546	175.1	2.1864
Sb 206.834	-0.2873b	ppb	2.6145	909.9	1.9642
Se 196.026	-0.3505b	ppb	14.9778	4273.3	3.1169
Sn 189.925	-4.9704b	ppb	1.7673	35.6	-1.5993
Sr 216.596	3.5305b	ppb	0.7554	21.4	25.2127
Ti 334.941	-0.6798b	ppb	0.0258	3.8	-61.8966
Tl 190.794	1.0712b	ppb	2.0459	191.0	-1.1220
V 292.401	-0.8569b	ppb	0.2040	23.8	1.4021
Zn 206.200	11.2449b	ppb	0.7159	6.4	50.2291

680-88776-a-8-b (Samp)

4/2/2013, 5:00:06 PM

Rack 1, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1308b	ppb	0.1648	125.9	-33.3181
Al 308.215	6.2668b	ppb	3.8406	61.3	161.388

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.7994b	ppb	4.6820	585.7	-2.5455
B 249.678	47.9703b	ppb	0.5878	1.2	464.819
Ba 389.178	41.7701b	ppb	0.4472	1.1	676.526
Be 313.042	-0.1974b	ppb	0.0069	3.5	-86.6928
Ca 370.602	817.7b	ppb	7.535	0.9	3162
Cd 226.502	-0.7690b	ppb	0.1283	16.7	13.8745
Co 228.615	-0.9569b	ppb	0.0836	8.7	-10.1179
Cr 267.716	-1.5021b	ppb	0.2450	16.3	9.6470
Cu 324.754	-0.8681b	ppb	0.1804	20.8	134.411
Fe 271.441	157.723b	ppb	4.8052	3.0	142.896
K 766.491	178.043b	ppb	1.2599	0.7	29668.7
Mg 279.078	114.389b	ppb	1.6116	1.4	199.269
Mn 257.610	-1.9083b	ppb	0.0096	0.5	102.148
Mo 202.032	-0.3543b	ppb	0.8628	243.5	3.7856
Na 330.237	116180xb	ppb	1363.19	1.2	7572.24
Ni 231.604	-1.1988b	ppb	0.4897	40.9	0.7049
Pb 220.353	10.0284b	ppb	3.1255	31.2	11.2079
Sb 206.834	0.3744b	ppb	3.0113	804.3	2.3813
Se 196.026	-0.9030b	ppb	7.3831	817.6	2.9527
Sn 189.925	-2.8363b	ppb	6.4459	227.3	-0.2639
Sr 216.596	0.1898b	ppb	0.3624	191.0	4.9466
Ti 334.941	-0.6581b	ppb	0.0936	14.2	-58.4920
Tl 190.794	0.3472b	ppb	5.7062	1643.5	-1.4602
V 292.401	-0.8166b	ppb	0.3031	37.1	2.5766
Zn 206.200	-1.9855b	ppb	0.3359	16.9	9.4970

680-88776-a-9-b (Samp)

4/2/2013, 5:05:33 PM

Rack 1, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6249b	ppb	1.2706	203.3	-56.7533
Al 308.215	-27.1873b	ppb	2.6470	9.7	68.2640
As 188.980	-3.0829b	ppb	5.0446	163.6	-4.0181
B 249.678	45.5317b	ppb	0.4812	1.1	444.191
Ba 389.178	66.8590b	ppb	0.7820	1.2	1090.41
Be 313.042	-0.1881b	ppb	0.0039	2.1	-72.6238
Ca 370.602	1801b	ppb	9.910	0.6	6913
Cd 226.502	-0.8895b	ppb	0.1723	19.4	10.7535
Co 228.615	-1.0014b	ppb	0.1523	15.2	-10.4534
Cr 267.716	-1.3887b	ppb	0.4084	29.4	11.5811
Cu 324.754	-0.8583b	ppb	0.3214	37.4	132.014
Fe 271.441	-44.2850b	ppb	3.5763	8.1	-7.4047
K 766.491	454.360b	ppb	2.5921	0.6	65044.7
Mg 279.078	260.511b	ppb	7.2676	2.8	367.887
Mn 257.610	1.2163b	ppb	0.0271	2.2	398.049
Mo 202.032	-0.7165b	ppb	1.1680	163.0	2.5558
Na 330.237	117648xb	ppb	376.208	0.3	7667.96
Ni 231.604	-0.7229b	ppb	0.6317	87.4	2.0789
Pb 220.353	386.098b	ppb	2.6964	0.7	325.385
Sb 206.834	1.9972b	ppb	1.7868	89.5	3.4489
Se 196.026	-8.5934b	ppb	6.3809	74.3	0.7992
Sn 189.925	-0.6252b	ppb	1.0905	174.4	1.1116
Sr 216.596	9.8239b	ppb	1.1760	12.0	63.3822
Ti 334.941	-0.6448b	ppb	0.0730	11.3	54.7085

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-4.3909b	ppb	2.2642	51.6	-3.6776
V 292.401	-0.8012b	ppb	0.0777	9.7	3.0013
Zn 206.200	-0.9371b	ppb	0.6738	71.9	12.7216

680-88776-a-10-b (Samp) 4/2/2013, 5:11:01 PM Rack 1, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0896b	ppb	0.4507	502.9	-34.5629
Al 308.215	-11.8159b	ppb	2.0462	17.3	111.068
As 188.980	0.1109b	ppb	5.7893	5218.7	-2.8090
B 249.678	66.4113b	ppb	0.6170	0.9	624.785
Ba 389.178	30.7197b	ppb	0.7287	2.4	494.314
Be 313.042	-0.1940b	ppb	0.0077	4.0	-81.6423
Ca 370.602	1170b	ppb	4.222	0.4	4526
Cd 226.502	-0.7906b	ppb	0.0700	8.9	12.9985
Co 228.615	-1.0833b	ppb	0.5277	48.7	-11.1287
Cr 267.716	-1.2785b	ppb	0.4465	34.9	13.3412
Cu 324.754	-0.6319b	ppb	0.3132	49.6	141.917
Fe 271.441	-24.5901b	ppb	8.2409	33.5	7.2493
K 766.491	241.610b	ppb	1.4523	0.6	37811.6
Mg 279.078	274.150b	ppb	5.2321	1.9	383.496
Mn 257.610	-0.8050b	ppb	0.0360	4.5	206.751
Mo 202.032	-0.3718b	ppb	0.9723	261.5	3.7484
Na 330.237	119508xb	ppb	576.287	0.5	7789.17
Ni 231.604	-1.0161b	ppb	0.5679	55.9	1.2301
Pb 220.353	2.2881b	ppb	2.8166	123.1	4.7441
Sb 206.834	-0.1917b	ppb	0.4345	226.6	2.0223
Se 196.026	-1.8715b	ppb	1.0031	53.6	2.6864
Sn 189.925	-5.3062b	ppb	2.4685	46.5	-1.8049
Sr 216.596	3.1811b	ppb	0.4913	15.4	23.0329
Ti 334.941	-0.6935b	ppb	0.0438	6.3	-65.6601
Tl 190.794	-1.2565b	ppb	3.6366	289.4	-2.2061
V 292.401	-0.6749b	ppb	0.0791	11.7	6.5062
Zn 206.200	-0.7763b	ppb	0.2900	37.4	13.2189

680-88776-a-11-b (Samp) 4/2/2013, 5:16:29 PM Rack 1, Tube 36

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.0222b	ppb	0.2997	1348.6	-37.9359
Al 308.215	-17.8049b	ppb	4.0293	22.6	94.3751
As 188.980	-1.1103b	ppb	7.9158	713.0	-3.2758
B 249.678	65.9834b	ppb	1.1289	1.7	620.904
Ba 389.178	37.4264b	ppb	0.7021	1.9	605.007
Be 313.042	-0.1771b	ppb	0.0040	2.2	-56.4604
Ca 370.602	1726b	ppb	7.277	0.4	6614
Cd 226.502	-0.7354b	ppb	0.2072	28.2	14.3858
Co 228.615	-1.0481b	ppb	0.3972	37.9	-10.8414
Cr 267.716	-1.3096b	ppb	0.3138	24.0	12.8545
Cu 324.754	-0.4206b	ppb	0.2509	59.7	148.081
Fe 271.441	54.9937b	ppb	8.1170	14.8	66.4616
K 766.491	767.794b	ppb	1.7639	0.2	105188

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	253.933b	ppb	4.5980	1.8	359.937
Mn 257.610	26.5525b	ppb	0.1071	0.4	2796.54
Mo 202.032	-0.5777b	ppb	0.3428	59.3	3.0243
Na 330.237	122999xb	ppb	306.428	0.2	8016.60
Ni 231.604	-0.7871b	ppb	0.1610	20.5	1.9016
Pb 220.353	4.8661b	ppb	2.7541	56.6	6.8979
Sb 206.834	2.4229b	ppb	2.8680	118.4	3.7307
Se 196.026	-1.1898b	ppb	1.9927	167.5	2.8834
Sn 189.925	-6.0284b	ppb	0.9235	15.3	-2.2566
Sr 216.596	4.1825b	ppb	0.6677	16.0	29.1676
Ti 334.941	-0.6060b	ppb	0.0565	9.3	-46.9496
Tl 190.794	2.1805b	ppb	2.6256	120.4	-0.6062
V 292.401	-0.9036b	ppb	0.2503	27.7	0.0004
Zn 206.200	-0.2228b	ppb	0.2566	115.1	14.9228

Cont Calib Verif (CCV)

4/2/2013, 5:21:56 PM

Rack 1, Tube 37

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	491.232	ppb	10.2663	2.1	15225.2	98.24641
Al 308.215	4915.12	ppb	98.5090	2.0	14077.8	98.30244
As 188.980	478.929	ppb	8.4065	1.8	177.897	95.78583
B 249.678	505.985	ppb	10.5979	2.1	4421.99	20.23939Q
Ba 389.178	4829.16	ppb	96.8065	2.0	79688.5	96.58315
Be 313.042	481.504	ppb	9.7029	2.0	728773	96.30075
Ca 370.602	4966	ppb	94.00	1.9	18227	99.32768
Cd 226.502	476.722	ppb	10.5256	2.2	10698.7	95.34438
Co 228.615	483.655	ppb	10.7683	2.2	3840.89	96.73098
Cr 267.716	4843.73	ppb	104.966	2.2	77536.7	96.87450
Cu 324.754	4837.45	ppb	88.0449	1.8	174928	96.74899
Fe 271.441	4906.22	ppb	105.170	2.1	3735.73	98.12433
K 766.491	9856.94	ppb	131.664	1.3	1267774	98.56937
Mg 279.078	4859.30	ppb	82.3598	1.7	5626.16	97.18607
Mn 257.610	4984.27	ppb	105.095	2.1	472132	99.68547
Mo 202.032	491.446	ppb	10.4628	2.1	1699.25	98.28922
Na 330.237	7375.37	ppb	142.334	1.9	480.756	98.33826
Ni 231.604	2417.99	ppb	51.6818	2.1	7037.92	96.71941
Pb 220.353	487.904	ppb	8.0710	1.7	404.929	97.58075
Sb 206.834	929.411	ppb	20.0660	2.2	638.105	37.17643Q
Se 196.026	4832.12	ppb	100.871	2.1	1362.69	96.64231
Sn 189.925	4884.87	ppb	95.2901	2.0	3048.15	97.69746
Sr 216.596	2416.45	ppb	49.8035	2.1	14577.4	96.65784
Ti 334.941	492.895	ppb	10.5786	2.1	103370	98.57896
Tl 190.794	4912.70	ppb	84.7420	1.7	2303.01	98.25397
V 292.401	4911.23	ppb	106.417	2.2	137858	98.22465
Zn 206.200	2405.01	ppb	54.8291	2.3	7401.52	96.20044

Cont Calib Blank (CCB)

4/2/2013, 5:27:21 PM

Rack 1, Tube 38

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Ag 328.068	-0.2489	ppb	0.5095	204.6	-45.0882	-0.24895
Al 308.215	-38.2676	ppb	2.4820	6.5	37.4215	-38.26763

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.2787	ppb	3.9118	119.3	-1.6015	3.27868
B 249.678	-0.1420	ppb	0.8583	604.6	49.0260	-0.14198
Ba 389.178	-0.7157	ppb	0.4632	64.7	-24.8265	-0.71571
Be 313.042	-0.1977	ppb	0.0088	4.4	-76.7602	-0.19772
Ca 370.602	-50.17	ppb	5.006	10.0	-81.84	-50.17012
Cd 226.502	-0.7135	ppb	0.1616	22.7	15.0741	-0.71355
Co 228.615	-1.1162	ppb	0.1248	11.2	-11.3963	-1.11615
Cr 267.716	-1.2633	ppb	0.2054	16.3	12.9041	-1.26334
Cu 324.754	-1.1860	ppb	0.1253	10.6	125.172	-1.18601
Fe 271.441	-37.4663	ppb	4.4788	12.0	-2.3305	-37.46633Z
K 766.491	-37.3822	ppb	0.0634	0.2	2094.67	-37.38216
Mg 279.078	-42.9514	ppb	4.0589	9.4	19.1580	-42.95144
Mn 257.610	-2.7597	ppb	0.0705	2.6	21.1801	-2.75968
Mo 202.032	-1.5729	ppb	1.1956	76.0	-0.4153	-1.57290
Na 330.237	-83.1888	ppb	41.5705	50.0	-3.2770	-83.18875
Ni 231.604	-0.7530	ppb	0.6197	82.3	1.9854	-0.75300
Pb 220.353	-0.9214	ppb	1.3212	143.4	2.0672	-0.92141
Sb 206.834	2.3939	ppb	4.9474	206.7	3.6880	2.39392
Se 196.026	-3.0189	ppb	9.0870	301.0	2.3578	-3.01890
Sn 189.925	-2.1513	ppb	1.0249	47.6	0.1367	-2.15128
Sr 216.596	-1.9262	ppb	0.1749	9.1	-8.0362	-1.92617
Ti 334.941	-0.6500	ppb	0.0368	5.7	-51.1878	-0.65004
Tl 190.794	3.7881	ppb	3.9162	103.4	0.1681	3.78812
V 292.401	-0.4866	ppb	0.4118	84.6	12.8850	-0.48659
Zn 206.200	-3.6318	ppb	0.5145	14.2	4.4162	-3.63175

680-88776-a-12-b (Samp)

4/2/2013, 5:32:47 PM

Rack 1, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6000b	ppb	0.2402	40.0	-18.4922
Al 308.215	-18.9977b	ppb	4.1322	21.8	91.0789
As 188.980	-3.1931b	ppb	3.7785	118.3	-4.0658
B 249.678	38.1462b	ppb	0.1003	0.3	380.302
Ba 389.178	38.4853b	ppb	0.7913	2.1	622.538
Be 313.042	-0.1779b	ppb	0.0049	2.8	-57.4343
Ca 370.602	2235b	ppb	4.769	0.2	8553
Cd 226.502	-0.5972b	ppb	0.1778	29.8	17.2834
Co 228.615	-0.1530b	ppb	0.3445	225.2	-3.7402
Cr 267.716	-1.4887b	ppb	0.2722	18.3	10.0561
Cu 324.754	4.7161b	ppb	0.1728	3.7	332.330
Fe 271.441	-39.3348b	ppb	2.6975	6.9	-3.6729
K 766.491	587.523b	ppb	2.6910	0.5	82104.0
Mg 279.078	345.010b	ppb	2.8592	0.8	464.891
Mn 257.610	48.6217b	ppb	0.2399	0.5	4885.81
Mo 202.032	-0.3203b	ppb	1.3582	424.1	3.9290
Na 330.237	120909xb	ppb	748.390	0.6	7880.47
Ni 231.604	0.7005b	ppb	0.2994	42.7	6.2267
Pb 220.353	134.311b	ppb	3.1080	2.3	115.038
Sb 206.834	2.2928b	ppb	1.1189	48.8	3.6401
Se 196.026	1.0014b	ppb	5.3395	533.2	3.5079
Sn 189.925	-2.5184b	ppb	0.7870	31.2	-0.0698
Sr 216.596	5.9089b	ppb	0.4094	6.9	39.5603
Ti 334.941	-0.5525b	ppb	0.0959	17.4	35.1713

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	5.5579b	ppb	5.6155	101.0	0.9750
V 292.401	-0.7109b	ppb	0.2033	28.6	5.3109
Zn 206.200	14.9547b	ppb	0.2818	1.9	61.6516

680-88776-a-13-b (Samp) 4/2/2013, 5:38:13 PM Rack 1, Tube 40
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4531b	ppb	0.5698	125.7	-23.2138
Al 308.215	-12.2768b	ppb	0.8860	7.2	109.770
As 188.980	-1.3966b	ppb	4.2372	303.4	-3.3736
B 249.678	35.8110b	ppb	1.5123	4.2	359.944
Ba 389.178	52.3525b	ppb	2.2112	4.2	850.974
Be 313.042	-0.1415b	ppb	0.0156	11.1	-1.8529
Ca 370.602	1013b	ppb	48.23	4.8	3925
Cd 226.502	-0.8991b	ppb	0.2710	30.1	10.6945
Co 228.615	-0.9153b	ppb	0.7833	85.6	-9.7701
Cr 267.716	-1.1548b	ppb	0.1263	10.9	15.2723
Cu 324.754	0.3477b	ppb	0.1962	56.4	177.763
Fe 271.441	21.7296b	ppb	0.7370	3.4	41.7222
K 766.491	497.842b	ppb	26.7332	5.4	70616.5
Mg 279.078	139.762b	ppb	10.8223	7.7	228.874
Mn 257.610	14.1122b	ppb	0.8105	5.7	1618.61
Mo 202.032	-1.2419b	ppb	0.4955	39.9	0.7250
Na 330.237	112297xb	ppb	6393.39	5.7	7319.29
Ni 231.604	-0.0702b	ppb	0.1811	258.1	3.9794
Pb 220.353	5.9328b	ppb	2.7582	46.5	7.7899
Sb 206.834	0.4393b	ppb	2.1413	487.4	2.4267
Se 196.026	-5.4754b	ppb	3.2766	59.8	1.6738
Sn 189.925	-0.8240b	ppb	4.3259	525.0	0.9893
Sr 216.596	4.0583b	ppb	0.9766	24.1	28.3524
Ti 334.941	-0.6534b	ppb	0.0500	7.6	-57.0498
Tl 190.794	-0.0442b	ppb	5.1026	11550.4	-1.6380
V 292.401	-0.5604b	ppb	0.1750	31.2	9.9232
Zn 206.200	-1.7465b	ppb	0.4230	24.2	10.2280

680-88776-a-14-b (Samp) 4/2/2013, 5:43:38 PM Rack 1, Tube 41
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2303b	ppb	0.3359	145.9	-30.1751
Al 308.215	-21.0934b	ppb	1.0814	5.1	85.2507
As 188.980	-2.1676b	ppb	9.2279	425.7	-3.6708
B 249.678	41.9259b	ppb	0.6175	1.5	412.989
Ba 389.178	17.2881b	ppb	0.8458	4.9	272.698
Be 313.042	-0.1802b	ppb	0.0069	3.8	-60.2795
Ca 370.602	1577b	ppb	3.200	0.2	6069
Cd 226.502	-0.8793b	ppb	0.1209	13.7	10.9874
Co 228.615	-1.3987b	ppb	0.2881	20.6	-13.6477
Cr 267.716	-1.3769b	ppb	0.3133	22.8	11.7528
Cu 324.754	-0.7756b	ppb	0.1011	13.0	135.609
Fe 271.441	-45.3894b	ppb	0.6758	1.5	-8.2267
K 766.491	253.921b	ppb	0.9413	0.4	39391.5

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	251.996b	ppb	7.9694	3.2	358.106
Mn 257.610	1.8660b	ppb	0.0635	3.4	459.544
Mo 202.032	-0.0484b	ppb	0.4321	892.4	4.8721
Na 330.237	113986xb	ppb	789.404	0.7	7429.37
Ni 231.604	-1.1887b	ppb	1.5475	130.2	0.7280
Pb 220.353	-3.0903b	ppb	2.5547	82.7	0.2517
Sb 206.834	4.8108b	ppb	5.1316	106.7	5.2740
Se 196.026	-0.6115b	ppb	7.1633	1171.5	3.0428
Sn 189.925	-2.8883b	ppb	3.4967	121.1	-0.2998
Sr 216.596	5.2263b	ppb	0.2775	5.3	35.4593
Ti 334.941	-0.6957b	ppb	0.0843	12.1	-65.3988
Tl 190.794	2.0458b	ppb	3.0359	148.4	-0.6641
V 292.401	-0.6325b	ppb	0.3098	49.0	7.6400
Zn 206.200	-2.3023b	ppb	0.0866	3.8	8.5202

680-88776-a-15-b (Samp)

4/2/2013, 5:49:05 PM

Rack 1, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4576b	ppb	0.1734	37.9	-51.4193
Al 308.215	-24.1944b	ppb	1.6360	6.8	76.6026
As 188.980	-0.2989b	ppb	2.6949	901.6	-2.9981
B 249.678	46.7347b	ppb	0.5627	1.2	454.595
Ba 389.178	31.4892b	ppb	0.9106	2.9	507.918
Be 313.042	-0.1704b	ppb	0.0019	1.1	-45.2224
Ca 370.602	3654b	ppb	26.78	0.7	13912
Cd 226.502	-0.9505b	ppb	0.2203	23.2	9.4263
Co 228.615	0.2998b	ppb	0.2211	73.7	-0.1441
Cr 267.716	-1.5051b	ppb	0.7021	46.6	9.7381
Cu 324.754	-0.8848b	ppb	0.4595	51.9	126.063
Fe 271.441	-29.9029b	ppb	3.6673	12.3	3.3657
K 766.491	583.920b	ppb	4.5975	0.8	81644.5
Mg 279.078	766.131b	ppb	1.7933	0.2	948.799
Mn 257.610	33.7849b	ppb	0.1896	0.6	3482.37
Mo 202.032	-0.6484b	ppb	0.4562	70.4	2.7900
Na 330.237	115498xb	ppb	1379.84	1.2	7527.90
Ni 231.604	-0.6528b	ppb	1.4179	217.2	2.3051
Pb 220.353	2.8745b	ppb	2.2468	78.2	5.2354
Sb 206.834	0.6565b	ppb	1.8261	278.2	2.5879
Se 196.026	-3.6723b	ppb	7.8584	214.0	2.1978
Sn 189.925	-0.4233b	ppb	2.6647	629.5	1.2300
Sr 216.596	8.3827b	ppb	0.8182	9.8	54.7124
Ti 334.941	-0.5815b	ppb	0.1781	30.6	-39.3959
Tl 190.794	0.7035b	ppb	2.7756	394.5	-1.3096
V 292.401	-0.7442b	ppb	0.0454	6.1	4.5172
Zn 206.200	-2.0381b	ppb	0.9640	47.3	9.3511

680-88776-a-16-b (Samp)

4/2/2013, 5:55:41 PM

Rack 1, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.4183b	ppb	0.7260	173.6	-24.3299
Al 308.215	-21.5726b	ppb	2.4201	11.2	83.8959

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	1.4734b	ppb	3.7994	257.9	-2.3031
B 249.678	64.0782b	ppb	0.3350	0.5	604.659
Ba 389.178	78.0789b	ppb	0.7701	1.0	1276.05
Be 313.042	-0.1786b	ppb	0.0036	2.0	-58.4267
Ca 370.602	1579b	ppb	5.719	0.4	6073
Cd 226.502	-1.0795b	ppb	0.1865	17.3	6.5069
Co 228.615	-0.4374b	ppb	0.4653	106.4	-5.9638
Cr 267.716	-1.5046b	ppb	0.4774	31.7	9.7403
Cu 324.754	0.0603b	ppb	0.3098	513.9	165.844
Fe 271.441	-39.7512b	ppb	2.8935	7.3	-3.9858
K 766.491	315.718b	ppb	0.6868	0.2	47288.3
Mg 279.078	557.299b	ppb	8.3390	1.5	708.911
Mn 257.610	4.2850b	ppb	0.0146	0.3	689.284
Mo 202.032	-1.2103b	ppb	0.6742	55.7	0.8427
Na 330.237	120051xb	ppb	86.7207	0.1	7824.55
Ni 231.604	0.2907b	ppb	0.4271	146.9	5.0397
Pb 220.353	-0.1908b	ppb	2.5331	1327.6	2.6749
Sb 206.834	-0.0299b	ppb	1.9787	6618.3	2.1321
Se 196.026	-9.4132b	ppb	6.6348	70.5	0.5704
Sn 189.925	-5.3644b	ppb	0.5606	10.5	-1.8426
Sr 216.596	1.3274b	ppb	0.2918	22.0	11.7458
Ti 334.941	-0.6773b	ppb	0.0703	10.4	-61.8649
Tl 190.794	0.0956b	ppb	5.3339	5580.1	-1.5743
V 292.401	-0.6565b	ppb	0.1242	18.9	7.1299
Zn 206.200	-0.4274b	ppb	0.4718	110.4	14.3022

680-88776-a-17-b (Samp)

4/2/2013, 6:01:08 PM

Rack 1, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3957b	ppb	0.6659	168.3	-24.7898
Al 308.215	18.5193b	ppb	2.0487	11.1	195.522
As 188.980	3.3636b	ppb	11.8773	353.1	-1.6143
B 249.678	42.6150b	ppb	0.6984	1.6	418.975
Ba 389.178	64.1984b	ppb	0.8421	1.3	1047.20
Be 313.042	-0.1381b	ppb	0.0120	8.7	3.1320
Ca 370.602	3123b	ppb	6.240	0.2	11910
Cd 226.502	-0.7966b	ppb	0.0765	9.6	12.8324
Co 228.615	-0.1864b	ppb	0.3876	207.9	-3.9886
Cr 267.716	-1.6704b	ppb	0.2123	12.7	7.1475
Cu 324.754	-0.8273b	ppb	0.3583	43.3	129.564
Fe 271.441	-42.7707b	ppb	7.0756	16.5	-6.2273
K 766.491	663.388b	ppb	1.7346	0.3	91811.6
Mg 279.078	619.330b	ppb	5.9357	1.0	780.109
Mn 257.610	59.7201b	ppb	0.1199	0.2	5937.11
Mo 202.032	-1.4289b	ppb	0.6369	44.6	0.0862
Na 330.237	118231xb	ppb	247.305	0.2	7705.94
Ni 231.604	-0.6405b	ppb	1.2566	196.2	2.3348
Pb 220.353	3.1609b	ppb	2.2542	71.3	5.4703
Sb 206.834	-0.2690b	ppb	2.7835	1034.9	1.9813
Se 196.026	1.1372b	ppb	7.4047	651.1	3.5529
Sn 189.925	-1.7137b	ppb	0.8794	51.3	0.4279
Sr 216.596	5.9184b	ppb	0.5172	8.7	39.7170
Ti 334.941	-0.6364b	ppb	0.0356	5.6	51.5878

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.0728b	ppb	3.2136	299.6	-1.1323
V 292.401	-0.7472b	ppb	0.0992	13.3	4.3572
Zn 206.200	-0.2841b	ppb	0.3584	126.1	14.7456

Cont Calib Verif (CCV)

4/2/2013, 6:06:34 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	492.278	ppb	4.7132	1.0	15257.8	98.45559
Al 308.215	4970.12	ppb	20.0429	0.4	14233.6	99.40232
As 188.980	487.001	ppb	1.9034	0.4	180.939	97.40021
B 249.678	514.535	ppb	2.0119	0.4	4495.85	20.58142Q
Ba 389.178	4878.80	ppb	11.4540	0.2	80507.9	97.57603
Be 313.042	486.609	ppb	1.5354	0.3	736497	97.32173
Ca 370.602	5017	ppb	13.89	0.3	18407	100.33685
Cd 226.502	481.427	ppb	1.9486	0.4	10804.1	96.28539
Co 228.615	487.845	ppb	1.5494	0.3	3874.19	97.56905
Cr 267.716	4893.92	ppb	7.7783	0.2	78339.8	97.87835
Cu 324.754	4837.54	ppb	26.0595	0.5	174930	96.75074
Fe 271.441	4976.70	ppb	16.4338	0.3	3788.79	99.53407
K 766.491	9932.26	ppb	17.8326	0.2	1277405	99.32256
Mg 279.078	4905.99	ppb	12.3099	0.3	5679.46	98.11983
Mn 257.610	5037.96	ppb	12.9353	0.3	477215	100.75923
Mo 202.032	496.900	ppb	2.8873	0.6	1718.06	99.38000
Na 330.237	7446.35	ppb	81.8055	1.1	485.346	99.28471
Ni 231.604	2443.21	ppb	8.3901	0.3	7111.29	97.72823
Pb 220.353	495.193	ppb	2.5856	0.5	410.959	99.03867
Sb 206.834	936.902	ppb	7.6567	0.8	643.314	37.47608Q
Se 196.026	4868.32	ppb	19.5918	0.4	1372.87	97.36646
Sn 189.925	4930.97	ppb	11.8706	0.2	3076.90	98.61942
Sr 216.596	2441.49	ppb	9.4419	0.4	14728.5	97.65955
Ti 334.941	498.600	ppb	1.5040	0.3	104565	99.71998
Tl 190.794	4969.97	ppb	11.5278	0.2	2329.87	99.39937
V 292.401	4962.89	ppb	14.7535	0.3	139308	99.25781
Zn 206.200	2428.16	ppb	8.7850	0.4	7472.58	97.12625

Cont Calib Blank (CCB)

4/2/2013, 6:12:01 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	0.5557	ppb	0.7188	129.4	-20.0874	0.55565
Al 308.215	-43.4550	ppb	0.4839	1.1	22.9883	-43.45502
As 188.980	2.7791	ppb	7.1669	257.9	-1.7889	2.77915
B 249.678	0.3174	ppb	0.8962	282.3	53.0064	0.31745
Ba 389.178	0.5193	ppb	0.2992	57.6	-4.4527	0.51930
Be 313.042	-0.1856	ppb	0.0138	7.4	-58.5160	-0.18563
Ca 370.602	-50.73	ppb	1.743	3.4	-83.45	-50.73093
Cd 226.502	-0.7043	ppb	0.1033	14.7	15.2742	-0.70433
Co 228.615	-1.1193	ppb	0.2076	18.5	-11.4237	-1.11933
Cr 267.716	-1.0981	ppb	0.3796	34.6	15.5498	-1.09813
Cu 324.754	-0.8687	ppb	0.6691	77.0	136.635	-0.86871
Fe 271.441	-40.5319	ppb	6.0594	14.9	-4.6089	-40.53192Z
K 766.491	-36.7598	ppb	0.2513	0.7	2173.97	-36.75980

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-41.3194	ppb	1.6984	4.1	21.0430	-41.31936
Mn 257.610	-2.5469	ppb	0.0456	1.8	41.3204	-2.54693
Mo 202.032	-1.4534	ppb	0.7284	50.1	-0.0006	-1.45336
Na 330.237	-54.1526	ppb	58.1063	107.3	-1.3840	-54.15264
Ni 231.604	-1.5318	ppb	1.3774	89.9	-0.2805	-1.53178
Pb 220.353	-1.7738	ppb	2.6659	150.3	1.3547	-1.77381
Sb 206.834	1.7256	ppb	2.3317	135.1	3.2597	1.72555
Se 196.026	-10.1975	ppb	3.3715	33.1	0.3397	-10.19748Z
Sn 189.925	-4.0901	ppb	2.5628	62.7	-1.0725	-4.09014
Sr 216.596	-1.6116	ppb	0.3920	24.3	-6.1026	-1.61155
Ti 334.941	-0.6790	ppb	0.0218	3.2	-57.2312	-0.67903
Tl 190.794	2.0376	ppb	3.4106	167.4	-0.6510	2.03763
V 292.401	-0.4218	ppb	0.0523	12.4	14.6471	-0.42180
Zn 206.200	-3.8724	ppb	0.3287	8.5	3.6746	-3.87238

mb 680-270919/1-a (Samp) 4/2/2013, 6:17:27 PM Rack 2, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1336	ppb	0.3651	273.2	-33.2068
Al 308.215	-25.6706	ppb	1.5869	6.2	72.4838
As 188.980	-4.2772	ppb	1.1464	26.8	-4.4409
B 249.678	-1.0176	ppb	0.4192	41.2	41.3782
Ba 389.178	-1.1096	ppb	1.3183	118.8	-31.2686
Be 313.042	-0.2122	ppb	0.0049	2.3	-98.8563
Ca 370.602	-32.75	ppb	2.571	7.9	-21.53
Cd 226.502	-0.9539	ppb	0.1042	10.9	9.7672
Co 228.615	-1.3481	ppb	0.1485	11.0	-13.2454
Cr 267.716	-0.9352	ppb	0.2468	26.4	18.1440
Cu 324.754	-1.2628	ppb	0.3277	26.0	122.373
Fe 271.441	-6.6585	ppb	4.0749	61.2	20.5946
K 766.491	-25.4618	ppb	1.0922	4.3	3621.20
Mg 279.078	-35.5018	ppb	1.4790	4.2	27.6102
Mn 257.610	-2.4173	ppb	0.0855	3.5	53.6514
Mo 202.032	-0.1574	ppb	0.6281	399.1	4.4897
Na 330.237	-122.982	ppb	43.7235	35.6	-5.8815
Ni 231.604	-0.5981	ppb	1.7944	300.0	2.4380
Pb 220.353	-2.4748	ppb	1.0945	44.2	0.7666
Sb 206.834	1.1658	ppb	2.5651	220.0	2.8660
Se 196.026	3.8722	ppb	2.0639	53.3	4.2949
Sn 189.925	11.5646	ppb	2.6759	23.1	8.6910
Sr 216.596	-1.5334	ppb	0.1922	12.5	-5.6511
Ti 334.941	-0.2663	ppb	0.0434	16.3	29.0094
Tl 190.794	4.3161	ppb	5.7459	133.1	0.4130
V 292.401	-0.8809	ppb	0.0916	10.4	1.6483
Zn 206.200	-0.2338	ppb	0.4699	201.0	14.8779

lcs 680-270919/2-a (Samp) 4/2/2013, 6:22:54 PM Rack 2, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.7497	ppb	0.4275	2.9	421.847
Al 308.215	5257.06	ppb	25.0609	0.5	14786.9

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	106.993	ppb	4.3821	4.1	37.3159
B 249.678	192.627	ppb	0.8027	0.4	1704.97
Ba 389.178	108.277	ppb	1.3694	1.3	1789.63
Be 313.042	54.1190	ppb	0.2296	0.4	81841.5
Ca 370.602	5229	ppb	14.82	0.3	18946
Cd 226.502	53.2119	ppb	0.5200	1.0	1231.84
Co 228.615	53.2928	ppb	0.3770	0.7	420.493
Cr 267.716	107.943	ppb	0.7045	0.7	1758.23
Cu 324.754	106.368	ppb	0.6416	0.6	4000.05
Fe 271.441	5183.83	ppb	35.2367	0.7	3885.81
K 766.491	5178.74	ppb	19.7774	0.4	669997
Mg 279.078	5089.43	ppb	24.6615	0.5	5897.51
Mn 257.610	562.191	ppb	2.6494	0.5	53520.8
Mo 202.032	104.309	ppb	1.1557	1.1	365.902
Na 330.237	4826.46	ppb	78.1351	1.6	313.608
Ni 231.604	106.742	ppb	0.4186	0.4	315.027
Pb 220.353	48.3933	ppb	1.6985	3.5	42.4146
Sb 206.834	49.7987	ppb	5.4753	11.0	35.1196
Se 196.026	102.595	ppb	6.4397	6.3	32.1184
Sn 189.925	214.724	ppb	3.6909	1.7	135.404
Sr 216.596	104.020	ppb	1.0303	1.0	632.149
Ti 334.941	104.166	ppb	0.4918	0.5	21861.3
Tl 190.794	41.2081	ppb	6.5113	15.8	17.5170
V 292.401	104.663	ppb	0.5030	0.5	2942.35
Zn 206.200	102.636	ppb	0.0204	0.0	331.462

lcs 680-270919/3-a (Samp)

4/2/2013, 6:28:20 PM

Rack 2, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	203.883	ppb	1.8132	0.9	6301.86
Al 308.215	2177.85	ppb	29.9816	1.4	6219.54
As 188.980	202.098	ppb	4.1697	2.1	72.8412
B 249.678	375.528	ppb	2.7238	0.7	3253.64
Ba 389.178	200.620	ppb	1.7410	0.9	3359.42
Be 313.042	209.127	ppb	2.3413	1.1	315519
Ca 370.602	20623	ppb	222.7	1.1	74324
Cd 226.502	204.599	ppb	2.1627	1.1	4648.66
Co 228.615	207.486	ppb	3.3726	1.6	1644.86
Cr 267.716	209.933	ppb	2.5096	1.2	3383.55
Cu 324.754	209.016	ppb	3.2186	1.5	7675.98
Fe 271.441	20851.0	ppb	234.682	1.1	15550.3
K 766.491	19858.9	ppb	180.662	0.9	2549781
Mg 279.078	19909.5	ppb	203.870	1.0	22869.7
Mn 257.610	2155.73	ppb	24.5193	1.1	204425
Mo 202.032	204.066	ppb	1.2212	0.6	709.523
Na 330.237	18046.3	ppb	270.717	1.5	1167.11
Ni 231.604	208.573	ppb	0.9134	0.4	612.496
Pb 220.353	197.760	ppb	3.7471	1.9	167.187
Sb 206.834	189.845	ppb	1.3461	0.7	128.122
Se 196.026	184.869	ppb	12.0820	6.5	55.3619
Sn 189.925	210.894	ppb	1.3278	0.6	132.988
Sr 216.596	214.202	ppb	3.5508	1.7	1303.56
Ti 334.941	203.156	ppb	2.2850	1.1	42566.9

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	42.4141	ppb	3.8238	9.0	17.6364
V 292.401	205.912	ppb	2.7835	1.4	5763.83
Zn 206.200	190.198	ppb	3.7264	2.0	601.531

680-88612-a-19-b (Samp) 4/2/2013, 6:33:46 PM Rack 2, Tube 6

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1898	ppb	0.4634	244.2	-71.3270
Al 308.215	102941	ppb	143.674	0.1	286743
As 188.980	-2.8986	ppb	3.1146	107.5	-4.1457
B 249.678	16.8415	ppb	0.6328	3.8	-125.618
Ba 389.178	225.272	ppb	1.7444	0.8	3870.44
Be 313.042	1.5726	ppb	0.0150	1.0	2812.85
Ca 370.602	6293	ppb	7.891	0.1	-1358
Cd 226.502	-2.3909	ppb	0.3785	15.8	276.756
Co 228.615	10.2882	ppb	0.4714	4.6	98.4513
Cr 267.716	139.551	ppb	0.7951	0.6	2191.14
Cu 324.754	56.1252	ppb	0.3533	0.6	2228.52
Fe 271.441	139837	ppb	267.510	0.2	104071
K 766.491	3248.60	ppb	5.5585	0.2	422803
Mg 279.078	2775.34	ppb	2.5910	0.1	2765.30
Mn 257.610	436.894	ppb	0.6582	0.2	41815.8
Mo 202.032	1.8354	ppb	0.7613	41.5	-6.0843
Na 330.237	167.062	ppb	105.637	63.2	-61.0480
Ni 231.604	45.9494	ppb	1.5124	3.3	146.317
Pb 220.353	170.894	ppb	1.5157	0.9	133.606
Sb 206.834	2.0091	ppb	3.2629	162.4	6.0026
Se 196.026	10.6151	ppb	8.5790	80.8	3.7422
Sn 189.925	15.4878	ppb	5.6285	36.3	11.4444
Sr 216.596	16.5252	ppb	0.7674	4.6	169.962
Ti 334.941	1222.58	ppb	1.7993	0.1	255552
Tl 190.794	1.1609	ppb	7.4438	641.2	-6.8634
V 292.401	363.069	ppb	0.4864	0.1	10274.7
Zn 206.200	77.6751	ppb	0.2587	0.3	257.689

680-88612-a-20-b (Samp) 4/2/2013, 6:39:13 PM Rack 2, Tube 7

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-3.3413	ppb	0.1617	4.8	-76.8503
Al 308.215	89325.6	ppb	309.623	0.3	248833
As 188.980	14.8863	ppb	6.1824	41.5	2.5445
B 249.678	13.0774	ppb	0.1010	0.8	-57.4788
Ba 389.178	1669.43	ppb	5.0777	0.3	27643.8
Be 313.042	6.7126	ppb	0.0245	0.4	10450.4
Ca 370.602	8510	ppb	12.39	0.1	15426
Cd 226.502	-1.6988	ppb	0.1326	7.8	200.751
Co 228.615	61.2251	ppb	0.6848	1.1	501.881
Cr 267.716	106.571	ppb	0.4548	0.4	1711.17
Cu 324.754	81.2965	ppb	0.1189	0.1	3116.10
Fe 271.441	96523.9	ppb	267.304	0.3	71845.7
K 766.491	3102.88	ppb	8.0091	0.3	403756

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	3716.76	ppb	11.4972	0.3	3966.00
Mn 257.610	19749.5	ppb	30.2175	0.2	1869962
Mo 202.032	3.2150	ppb	0.8897	27.7	4.4747
Na 330.237	480.696	ppb	65.2378	13.6	-19.5842
Ni 231.604	46.1994	ppb	1.0439	2.3	144.436
Pb 220.353	1933.17	ppb	2.6098	0.1	1607.56
Sb 206.834	3.3391	ppb	4.3087	129.0	5.8482
Se 196.026	-3.4360	ppb	15.2479	443.8	4.4205
Sn 189.925	25.3110	ppb	4.5807	18.1	17.5334
Sr 216.596	43.4445	ppb	0.9396	2.2	312.875
Ti 334.941	1139.86	ppb	2.9543	0.3	238268
Tl 190.794	7.8969	ppb	5.4689	69.3	-1.9366
V 292.401	187.443	ppb	0.8693	0.5	5285.10
Zn 206.200	173.441	ppb	1.2629	0.7	551.610

680-88612-a-21-b (Samp)

4/2/2013, 6:46:05 PM

Rack 2, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.5647	ppb	0.3913	25.0	-113.888
Al 308.215	111222	ppb	44.3370	0.0	309794
As 188.980	20.5070	ppb	1.9978	9.7	4.6832
B 249.678	15.1931	ppb	0.1957	1.3	-167.933
Ba 389.178	307.468	ppb	0.3408	0.1	5241.55
Be 313.042	3.1218	ppb	0.0051	0.2	5122.97
Ca 370.602	3425	ppb	8.207	0.2	-14382
Cd 226.502	-2.2597	ppb	0.4203	18.6	306.199
Co 228.615	34.4144	ppb	0.5973	1.7	295.668
Cr 267.716	179.859	ppb	0.2060	0.1	2831.42
Cu 324.754	48.1157	ppb	0.3254	0.7	1950.66
Fe 271.441	152272	ppb	14.3413	0.0	113323
K 766.491	3650.75	ppb	1.0304	0.0	474276
Mg 279.078	3330.11	ppb	15.6118	0.5	3357.60
Mn 257.610	1342.29	ppb	1.4518	0.1	127542
Mo 202.032	1.4957	ppb	0.5847	39.1	-8.6864
Na 330.237	396.383	ppb	82.6635	20.9	-54.6044
Ni 231.604	45.1768	ppb	0.9831	2.2	144.817
Pb 220.353	83.1899	ppb	5.2072	6.3	59.3325
Sb 206.834	1.4029	ppb	3.5129	250.4	5.7213
Se 196.026	4.0493	ppb	17.6617	436.2	1.8357
Sn 189.925	13.7225	ppb	1.7967	13.1	10.4530
Sr 216.596	18.3852	ppb	0.6960	3.8	187.171
Ti 334.941	1609.34	ppb	0.8524	0.1	336361
Tl 190.794	-6.8997	ppb	3.2598	47.2	-10.9675
V 292.401	321.481	ppb	0.3440	0.1	9106.07
Zn 206.200	121.326	ppb	1.0328	0.9	392.245

680-88612-a-22-b (Samp)

4/2/2013, 6:51:33 PM

Rack 2, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1965	ppb	0.2021	102.9	-63.8418
Al 308.215	72016.2	ppb	684.794	1.0	200642

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	-3.8126	ppb	10.1425	266.0	-4.4092
B 249.678	8.5847	ppb	0.6001	7.0	-110.170
Ba 389.178	83.7011	ppb	1.0430	1.2	1488.83
Be 313.042	1.4119	ppb	0.0247	1.7	2472.80
Ca 370.602	3098	ppb	17.95	0.6	-6617
Cd 226.502	-2.0531	ppb	0.1893	9.2	203.218
Co 228.615	4.4928	ppb	0.3281	7.3	45.8597
Cr 267.716	89.5891	ppb	0.7918	0.9	1412.19
Cu 324.754	37.4175	ppb	0.5811	1.6	1549.38
Fe 271.441	102001	ppb	1047.54	1.0	75918.2
K 766.491	1521.69	ppb	10.3513	0.7	201710
Mg 279.078	1573.13	ppb	16.1927	1.0	1517.04
Mn 257.610	267.809	ppb	3.0949	1.2	25760.0
Mo 202.032	0.8435	ppb	0.8474	100.5	-4.7181
Na 330.237	262.732	ppb	22.9095	8.7	-34.1358
Ni 231.604	16.9760	ppb	1.3912	8.2	59.7453
Pb 220.353	38.1293	ppb	3.4490	9.0	26.2867
Sb 206.834	-0.9678	ppb	1.9171	198.1	3.4640
Se 196.026	2.2812	ppb	9.1565	401.4	2.0331
Sn 189.925	12.2002	ppb	5.8563	48.0	9.2932
Sr 216.596	9.0496	ppb	0.8790	9.7	107.233
Ti 334.941	797.151	ppb	7.9979	1.0	166655
Tl 190.794	-0.0456	ppb	2.2693	4972.4	-5.9474
V 292.401	201.079	ppb	2.0563	1.0	5707.34
Zn 206.200	41.5677	ppb	1.3748	3.3	145.759

680-88612-a-23-b (Samp)

4/2/2013, 6:57:00 PM

Rack 2, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-4.2098	ppb	0.2961	7.0	-124.108
Al 308.215	93428.9	ppb	1460.54	1.6	260257
As 188.980	16.4696	ppb	9.2117	55.9	2.9401
B 249.678	14.4481	ppb	0.5991	4.1	-65.5144
Ba 389.178	1619.29	ppb	24.3353	1.5	26827.8
Be 313.042	6.6594	ppb	0.1123	1.7	10391.0
Ca 370.602	22646	ppb	256.6	1.1	67162
Cd 226.502	-1.6984	ppb	0.3200	18.8	219.027
Co 228.615	57.8553	ppb	1.3109	2.3	476.479
Cr 267.716	145.968	ppb	2.4569	1.7	2331.98
Cu 324.754	66.2812	ppb	1.5942	2.4	2537.91
Fe 271.441	105116	ppb	1633.28	1.6	78238.4
K 766.491	3313.32	ppb	40.3402	1.2	430717
Mg 279.078	4236.66	ppb	58.0178	1.4	4540.40
Mn 257.610	15562.1	ppb	211.191	1.4	1473577
Mo 202.032	5.1492	ppb	1.9540	37.9	10.0681
Na 330.237	395.688	ppb	53.1702	13.4	-29.8805
Ni 231.604	44.4362	ppb	1.1998	2.7	139.850
Pb 220.353	342.934	ppb	9.5856	2.8	278.531
Sb 206.834	0.9664	ppb	2.3132	239.4	4.8574
Se 196.026	4.2473	ppb	2.0059	47.2	5.6488
Sn 189.925	15.2826	ppb	2.2435	14.7	11.2496
Sr 216.596	51.0215	ppb	1.0701	2.1	363.654
Ti 334.941	1230.93	ppb	18.3005	1.5	257314

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	7.4524	ppb	7.2302	97.0	-2.6028
V 292.401	213.907	ppb	3.4515	1.6	6037.95
Zn 206.200	126.610	ppb	2.7565	2.2	407.512

680-88612-a-24-b (Samp) 4/2/2013, 7:02:28 PM Rack 2, Tube 11

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.2198	ppb	0.0964	4.3	-128.141
Al 308.215	119688	ppb	456.690	0.4	333365
As 188.980	11.8013	ppb	8.4342	71.5	1.3781
B 249.678	15.3852	ppb	0.3344	2.2	-141.384
Ba 389.178	371.266	ppb	2.4989	0.7	6282.63
Be 313.042	4.0512	ppb	0.0178	0.4	6516.00
Ca 370.602	6002	ppb	7.907	0.1	-2658
Cd 226.502	-2.2685	ppb	0.3171	14.0	284.086
Co 228.615	43.8052	ppb	1.1899	2.7	371.516
Cr 267.716	142.552	ppb	0.1760	0.1	2241.41
Cu 324.754	52.4894	ppb	0.1956	0.4	2096.54
Fe 271.441	141535	ppb	565.209	0.4	105335
K 766.491	4072.20	ppb	7.5734	0.2	528227
Mg 279.078	3962.65	ppb	19.8148	0.5	4120.46
Mn 257.610	2334.49	ppb	9.2269	0.4	221458
Mo 202.032	1.4062	ppb	0.9939	70.7	-7.4657
Na 330.237	293.076	ppb	9.4803	3.2	-57.0478
Ni 231.604	50.7643	ppb	0.7246	1.4	160.446
Pb 220.353	94.7593	ppb	1.6767	1.8	68.1938
Sb 206.834	0.7126	ppb	1.5088	211.7	4.5337
Se 196.026	4.3186	ppb	14.0929	326.3	2.3700
Sn 189.925	14.3577	ppb	1.7454	12.2	10.8632
Sr 216.596	26.4410	ppb	1.7259	6.5	231.092
Ti 334.941	1712.04	ppb	6.7184	0.4	357821
Tl 190.794	2.0642	ppb	2.5269	122.4	-6.3692
V 292.401	306.302	ppb	1.3357	0.4	8677.86
Zn 206.200	120.953	ppb	2.1665	1.8	390.996

680-88612-a-25-b (Samp) 4/2/2013, 7:07:56 PM Rack 2, Tube 12

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5813	ppb	1.8032	310.2	-117.955
Al 308.215	142032	ppb	238.042	0.2	395565
As 188.980	-51.8634	ppb	5.7402	11.1	-22.9003
B 249.678	35.4403	ppb	1.4179	4.0	-838.467
Ba 389.178	251.089	ppb	0.7231	0.3	4735.80
Be 313.042	2.6214	ppb	0.0091	0.3	4744.91
Ca 370.602	5604	ppb	34.77	0.6	-72796
Cd 226.502	-5.3900	ppb	0.0753	1.4	1006.53
Co 228.615	3.4073	ppb	1.1307	33.2	58.5669
Cr 267.716	420.899	ppb	1.3574	0.3	6487.98
Cu 324.754	137.388	ppb	0.7534	0.5	5324.16
Fe 271.441	519590	ppb	239.270	0.0	386619
K 766.491	2919.39	ppb	3.2756	0.1	380629

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	3103.09	ppb	13.0723	0.4	1806.63
Mn 257.610	868.100	ppb	0.3207	0.0	83065.2
Mo 202.032	2.7829	ppb	1.6898	60.7	-52.6911
Na 330.237	352.501	ppb	96.4457	27.4	-231.142
Ni 231.604	13.9911	ppb	2.2377	16.0	76.2065
Pb 220.353	69.7803	ppb	11.4115	16.4	42.5183
Sb 206.834	1.4382	ppb	3.5924	249.8	16.2764
Se 196.026	21.0271	ppb	14.4711	68.8	-1.0600
Sn 189.925	21.2349	ppb	0.9369	4.4	15.2547
Sr 216.596	18.3458	ppb	0.3259	1.8	361.279
Ti 334.941	1839.35	ppb	0.1084	0.0	384453
Tl 190.794	-8.9845	ppb	1.7875	19.9	-26.8921
V 292.401	960.662	ppb	0.4766	0.0	27159.9
Zn 206.200	67.7185	ppb	0.8228	1.2	235.200

Cont Calib Verif (CCV)

4/2/2013, 7:13:23 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	495.815	ppb	1.3648	0.3	15367.7	99.16298
Al 308.215	5005.03	ppb	3.2695	0.1	14332.1	100.10052
As 188.980	486.099	ppb	4.0563	0.8	180.603	97.21971
B 249.678	511.380	ppb	1.5497	0.3	4468.47	20.45518Q
Ba 389.178	4901.96	ppb	9.5268	0.2	80890.2	98.03928
Be 313.042	488.654	ppb	0.4795	0.1	739594	97.73078
Ca 370.602	5045	ppb	5.817	0.1	18508	100.90385
Cd 226.502	482.128	ppb	0.5638	0.1	10819.8	96.42554
Co 228.615	489.500	ppb	1.3820	0.3	3887.36	97.90002
Cr 267.716	4912.49	ppb	8.6087	0.2	78636.9	98.24979
Cu 324.754	4794.05	ppb	3.4211	0.1	173358	95.88091
Fe 271.441	5013.87	ppb	19.5807	0.4	3816.71	100.27748
K 766.491	9979.90	ppb	21.2403	0.2	1283499	99.79897
Mg 279.078	4912.53	ppb	7.4928	0.2	5686.78	98.25055
Mn 257.610	5061.08	ppb	7.6252	0.2	479403	101.22151
Mo 202.032	500.484	ppb	1.5821	0.3	1730.43	100.09676
Na 330.237	7385.28	ppb	40.2907	0.5	481.343	98.47042
Ni 231.604	2449.72	ppb	4.1692	0.2	7130.23	97.98862
Pb 220.353	500.599	ppb	3.3966	0.7	415.451	100.11983
Sb 206.834	942.352	ppb	9.3859	1.0	647.022	37.69406Q
Se 196.026	4881.50	ppb	23.5602	0.5	1376.58	97.62991
Sn 189.925	4941.09	ppb	21.0709	0.4	3083.21	98.82174
Sr 216.596	2451.65	ppb	4.0002	0.2	14789.9	98.06596
Ti 334.941	500.763	ppb	0.9551	0.2	105019	100.15262
Tl 190.794	4988.51	ppb	25.9614	0.5	2338.57	99.77026
V 292.401	4988.99	ppb	4.2491	0.1	140041	99.77985
Zn 206.200	2436.13	ppb	2.9597	0.1	7497.05	97.44518

Cont Calib Blank (CCB)

4/2/2013, 7:18:49 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	0.5823	ppb	0.2955	50.7	-19.2569	0.58231
Al 308.215	-38.3564	ppb	0.9661	2.5	37.1838	-38.35640

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	3.3578	ppb	6.8002	202.5	-1.5717	3.35782
B 249.678	-0.1145	ppb	0.3891	339.7	49.2674	-0.11454
Ba 389.178	-0.5860	ppb	0.9785	167.0	-22.6798	-0.58596
Be 313.042	-0.1741	ppb	0.0085	4.9	-41.2028	-0.17411
Ca 370.602	-49.76	ppb	2.037	4.1	-79.92	-49.75718
Cd 226.502	-0.9061	ppb	0.2516	27.8	10.7661	-0.90608
Co 228.615	-1.1763	ppb	0.3475	29.5	-11.8787	-1.17629
Cr 267.716	-1.1811	ppb	0.3643	30.8	14.2230	-1.18109
Cu 324.754	-1.2229	ppb	0.2067	16.9	123.840	-1.22287
Fe 271.441	-38.6709	ppb	7.6023	19.7	-3.2199	-38.67094Z
K 766.491	-36.4508	ppb	0.3772	1.0	2213.85	-36.45084
Mg 279.078	-41.8537	ppb	5.0629	12.1	20.4256	-41.85374
Mn 257.610	-2.4229	ppb	0.0561	2.3	53.0721	-2.42286
Mo 202.032	-1.3641	ppb	0.1434	10.5	0.3089	-1.36408
Na 330.237	38.4820	ppb	48.0801	124.9	4.6513	38.48200
Ni 231.604	-0.7170	ppb	0.7415	103.4	2.0876	-0.71700
Pb 220.353	-1.5559	ppb	2.2486	144.5	1.5365	-1.55590
Sb 206.834	0.0449	ppb	3.3705	7498.9	2.1579	0.04495
Se 196.026	-2.5712	ppb	8.9897	349.6	2.4839	-2.57117
Sn 189.925	0.0878	ppb	1.5842	1803.6	1.5332	0.08783
Sr 216.596	-1.1650	ppb	0.5353	45.9	-3.4213	-1.16499
Ti 334.941	-0.6027	ppb	0.0601	10.0	-41.3109	-0.60270
Tl 190.794	0.7055	ppb	0.4055	57.5	-1.2745	0.70548
V 292.401	-0.4431	ppb	0.1718	38.8	14.0350	-0.44311
Zn 206.200	-3.6796	ppb	0.7174	19.5	4.2696	-3.67960

680-88612-a-26-b (Samp)

4/2/2013, 7:24:16 PM

Rack 2, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2125	ppb	0.5509	45.4	-103.612
Al 308.215	78648.1	ppb	1183.13	1.5	219103
As 188.980	337.236	ppb	9.4704	2.8	123.076
B 249.678	30.6078	ppb	0.5895	1.9	-40.7095
Ba 389.178	1033.15	ppb	13.1195	1.3	17234.9
Be 313.042	3.2556	ppb	0.0578	1.8	5294.05
Ca 370.602	46212	ppb	458.7	1.0	146997
Cd 226.502	-1.1579	ppb	0.1899	16.4	334.606
Co 228.615	40.7935	ppb	0.8414	2.1	370.625
Cr 267.716	125.365	ppb	1.6239	1.3	1960.96
Cu 324.754	315.471	ppb	4.5329	1.4	11489.3
Fe 271.441	155133	ppb	1864.59	1.2	115452
K 766.491	19071.8	ppb	184.725	1.0	2448768
Mg 279.078	14046.7	ppb	224.684	1.6	15660.2
Mn 257.610	2708.91	ppb	29.1775	1.1	256959
Mo 202.032	6.2517	ppb	1.8248	29.2	7.1408
Na 330.237	354.088	ppb	143.787	40.6	-70.1624
Ni 231.604	67.5065	ppb	0.4220	0.6	210.299
Pb 220.353	1254.70	ppb	15.1240	1.2	1041.54
Sb 206.834	13.3263	ppb	6.7485	50.6	10.5901
Se 196.026	7.4707	ppb	9.5790	128.2	3.0945
Sn 189.925	102.172	ppb	1.0277	1.0	65.8869
Sr 216.596	395.605	ppb	5.6212	1.4	2479.23
Ti 334.941	3345.45	ppb	41.3434	1.2	699142

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-8.6134	ppb	9.1533	106.3	-10.8684
V 292.401	256.946	ppb	3.3323	1.3	7305.75
Zn 206.200	644.547	ppb	7.0336	1.1	2003.71

680-88612-a-27-b (Samp) 4/2/2013, 7:29:42 PM Rack 2, Tube 16

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6080	ppb	0.1836	30.2	-82.3193
Al 308.215	81638.4	ppb	188.571	0.2	227433
As 188.980	99.3517	ppb	1.8139	1.8	33.4399
B 249.678	29.2367	ppb	0.8926	3.1	-61.9838
Ba 389.178	770.212	ppb	3.1327	0.4	12883.9
Be 313.042	2.5417	ppb	0.0132	0.5	4284.05
Ca 370.602	64824	ppb	164.4	0.3	216380
Cd 226.502	-1.4942	ppb	0.1587	10.6	335.275
Co 228.615	19.8866	ppb	0.7709	3.9	176.599
Cr 267.716	189.558	ppb	0.6033	0.3	2983.18
Cu 324.754	132.799	ppb	1.1975	0.9	4848.73
Fe 271.441	158918	ppb	423.512	0.3	118268
K 766.491	3169.24	ppb	2.1735	0.1	412494
Mg 279.078	4075.74	ppb	14.2761	0.4	4190.29
Mn 257.610	1856.10	ppb	5.1096	0.3	176188
Mo 202.032	3.0230	ppb	0.3477	11.5	-4.7064
Na 330.237	774.996	ppb	121.225	15.6	-30.6635
Ni 231.604	41.8227	ppb	0.6218	1.5	135.491
Pb 220.353	605.861	ppb	4.8904	0.8	499.105
Sb 206.834	1.6003	ppb	7.6972	481.0	7.0600
Se 196.026	4.8779	ppb	24.2605	497.4	2.1255
Sn 189.925	31.6487	ppb	0.6154	1.9	21.3284
Sr 216.596	311.982	ppb	0.7178	0.2	1975.24
Ti 334.941	1318.58	ppb	3.0509	0.2	275676
Tl 190.794	-2.6746	ppb	8.5149	318.4	-9.7157
V 292.401	358.772	ppb	1.2873	0.4	10152.3
Zn 206.200	301.301	ppb	1.4517	0.5	946.474

680-88612-a-28-b (Samp) 4/2/2013, 7:35:08 PM Rack 2, Tube 17

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8606	ppb	0.7075	82.2	-95.7792
Al 308.215	112422	ppb	157.321	0.1	313135
As 188.980	12.1531	ppb	4.7892	39.4	1.4751
B 249.678	18.1394	ppb	1.0395	5.7	-164.338
Ba 389.178	195.203	ppb	0.2094	0.1	3397.09
Be 313.042	2.3053	ppb	0.0039	0.2	3914.03
Ca 370.602	7749	ppb	13.28	0.2	228.0
Cd 226.502	-2.4675	ppb	0.1706	6.9	321.136
Co 228.615	15.3744	ppb	0.8333	5.4	142.348
Cr 267.716	180.476	ppb	0.3413	0.2	2835.20
Cu 324.754	59.2770	ppb	0.5670	1.0	2346.77
Fe 271.441	161651	ppb	60.6912	0.0	120301
K 766.491	3027.54	ppb	2.3044	0.1	394505

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	1482.71	ppb	7.7614	0.5	1202.97
Mn 257.610	740.427	ppb	0.4266	0.1	70572.5
Mo 202.032	5.0950	ppb	0.7949	15.6	2.5335
Na 330.237	79.4547	ppb	110.393	138.9	-78.5334
Ni 231.604	37.6191	ppb	1.2649	3.4	123.346
Pb 220.353	69.1660	ppb	5.6334	8.1	47.4240
Sb 206.834	1.7828	ppb	3.8893	218.2	6.4416
Se 196.026	0.1409	ppb	10.5352	7476.7	0.4309
Sn 189.925	14.6971	ppb	3.4102	23.2	11.0074
Sr 216.596	28.3395	ppb	0.1541	0.5	252.417
Ti 334.941	1454.36	ppb	0.7436	0.1	303985
Tl 190.794	-5.0682	ppb	2.6023	51.3	-10.6556
V 292.401	356.426	ppb	0.6163	0.2	10090.4
Zn 206.200	110.082	ppb	0.2269	0.2	357.788

680-88612-a-29-b (Samp)

4/2/2013, 7:40:35 PM

Rack 2, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1533	ppb	0.0328	21.4	-60.7240
Al 308.215	92106.7	ppb	1532.59	1.7	256578
As 188.980	1.6179	ppb	10.6154	656.1	-2.3607
B 249.678	10.7859	ppb	0.5979	5.5	-57.9432
Ba 389.178	81.1588	ppb	1.1740	1.4	1429.87
Be 313.042	1.3049	ppb	0.0365	2.8	2320.44
Ca 370.602	3781	ppb	7.210	0.2	-1423
Cd 226.502	-1.7974	ppb	0.2218	12.3	180.032
Co 228.615	4.4734	ppb	0.4081	9.1	45.6334
Cr 267.716	89.6860	ppb	1.4115	1.6	1421.22
Cu 324.754	31.4976	ppb	0.6346	2.0	1326.72
Fe 271.441	87601.9	ppb	1504.45	1.7	65205.2
K 766.491	1641.31	ppb	21.2075	1.3	217029
Mg 279.078	1316.16	ppb	18.2676	1.4	1272.79
Mn 257.610	64.2383	ppb	1.1344	1.8	6472.87
Mo 202.032	1.6189	ppb	0.3165	19.6	0.0838
Na 330.237	123.314	ppb	173.749	140.9	-36.5520
Ni 231.604	15.9452	ppb	0.7716	4.8	55.8794
Pb 220.353	44.6308	ppb	2.5890	5.8	29.6438
Sb 206.834	3.6956	ppb	3.0772	83.3	6.1048
Se 196.026	3.5370	ppb	10.3894	293.7	2.7184
Sn 189.925	10.2882	ppb	4.8050	46.7	8.0984
Sr 216.596	11.6865	ppb	1.2205	10.4	116.880
Ti 334.941	808.704	ppb	13.6794	1.7	169070
Tl 190.794	-2.7099	ppb	4.1868	154.5	-6.7890
V 292.401	212.994	ppb	3.4630	1.6	6040.18
Zn 206.200	40.6129	ppb	0.5518	1.4	142.460

680-88612-a-30-d (Samp)

4/2/2013, 7:46:01 PM

Rack 2, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.7334	ppb	0.3310	19.1	1.7215
Al 308.215	78656.5	ppb	1227.52	1.6	219130

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	34.9889	ppb	9.3938	26.8	8.6265
B 249.678	34.0100	ppb	0.8173	2.4	161.882
Ba 389.178	758.537	ppb	11.2477	1.5	12606.8
Be 313.042	2.0756	ppb	0.0430	2.1	3483.09
Ca 370.602	113985	ppb	1622	1.4	416524
Cd 226.502	3.6386	ppb	0.3121	8.6	283.816
Co 228.615	15.2876	ppb	0.5537	3.6	140.893
Cr 267.716	93.7029	ppb	1.1840	1.3	1492.02
Cu 324.754	242.508	ppb	4.0020	1.7	8647.14
Fe 271.441	79554.8	ppb	1123.27	1.4	59218.1
K 766.491	3833.44	ppb	45.2675	1.2	497551
Mg 279.078	8096.51	ppb	123.530	1.5	9090.74
Mn 257.610	1204.50	ppb	17.2179	1.4	114429
Mo 202.032	2.6415	ppb	0.5014	19.0	4.5945
Na 330.237	543.293	ppb	129.555	23.8	-7.9489
Ni 231.604	41.1216	ppb	1.1719	2.8	128.843
Pb 220.353	1480.10	ppb	24.5684	1.7	1230.30
Sb 206.834	6.0826	ppb	2.3544	38.7	7.3859
Se 196.026	4.6118	ppb	12.9783	281.4	3.7552
Sn 189.925	76.4454	ppb	2.7046	3.5	49.1039
Sr 216.596	263.986	ppb	4.6089	1.7	1648.52
Ti 334.941	1473.52	ppb	20.0581	1.4	308092
Tl 190.794	-1.9051	ppb	4.2776	224.5	-6.5771
V 292.401	167.797	ppb	2.3846	1.4	4769.71
Zn 206.200	1375.48	ppb	22.8743	1.7	4252.10

680-88612-a-30-dSD^5 (Samp) 4/2/2013, 7:51:28 PM Rack 2, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5534	ppb	0.5187	93.7	-23.2533
Al 308.215	16164.4	ppb	318.909	2.0	45146.9
As 188.980	8.7154	ppb	7.6044	87.3	0.0948
B 249.678	6.2156	ppb	0.4392	7.1	65.6668
Ba 389.178	159.120	ppb	3.5071	2.2	2634.36
Be 313.042	0.2673	ppb	0.0128	4.8	651.764
Ca 370.602	23360	ppb	424.0	1.8	85375
Cd 226.502	-0.0819	ppb	0.1137	138.9	65.1930
Co 228.615	2.6533	ppb	0.0306	1.2	23.1555
Cr 267.716	18.2435	ppb	0.5670	3.1	316.538
Cu 324.754	49.7577	ppb	1.5143	3.0	1907.86
Fe 271.441	16679.0	ppb	335.940	2.0	12435.5
K 766.491	707.818	ppb	12.4339	1.8	97475.0
Mg 279.078	1698.99	ppb	37.1857	2.2	1961.68
Mn 257.610	252.720	ppb	5.0589	2.0	24232.0
Mo 202.032	0.5881	ppb	0.6949	118.2	5.0559
Na 330.237	30.2221	ppb	174.593	577.7	-5.4404
Ni 231.604	7.3891	ppb	0.7397	10.0	26.7299
Pb 220.353	313.634	ppb	9.9132	3.2	262.989
Sb 206.834	4.6965	ppb	6.6125	140.8	5.4469
Se 196.026	-2.6690	ppb	3.9291	147.2	2.2968
Sn 189.925	15.6600	ppb	1.8852	12.0	11.2365
Sr 216.596	53.5860	ppb	2.1862	4.1	337.824
Ti 334.941	309.298	ppb	5.6875	1.8	64736.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-0.9695	ppb	9.6273	993.0	-2.9070
V 292.401	34.7413	ppb	0.9821	2.8	1008.50
Zn 206.200	289.773	ppb	5.5965	1.9	908.104

680-88612-a-30-dPDS (Samp) 4/2/2013, 7:56:55 PM Rack 2, Tube 21

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.8429	ppb	0.3297	0.7	1496.26
Al 308.215	78592.8	ppb	2247.57	2.9	218987
As 188.980	2034.03	ppb	45.3353	2.2	759.837
B 249.678	973.479	ppb	25.5462	2.6	8298.51
Ba 389.178	2770.85	ppb	72.3831	2.6	45812.6
Be 313.042	52.4607	ppb	1.4990	2.9	79658.4
Ca 370.602	115963	ppb	2937	2.5	424330
Cd 226.502	53.0297	ppb	1.6357	3.1	1385.53
Co 228.615	520.593	ppb	12.5585	2.4	4159.26
Cr 267.716	294.579	ppb	6.9813	2.4	4706.27
Cu 324.754	490.766	ppb	21.1686	4.3	17606.8
Fe 271.441	78368.8	ppb	2104.08	2.7	58363.4
K 766.491	9150.85	ppb	194.178	2.1	1177911
Mg 279.078	12727.3	ppb	342.264	2.7	14415.3
Mn 257.610	1694.37	ppb	43.3203	2.6	160821
Mo 202.032	498.483	ppb	12.1428	2.4	1723.06
Na 330.237	5327.22	ppb	224.134	4.2	298.450
Ni 231.604	533.617	ppb	15.7926	3.0	1561.68
Pb 220.353	1928.05	ppb	49.0377	2.5	1603.58
Sb 206.834	477.379	ppb	3.5368	0.7	311.139
Se 196.026	1931.51	ppb	42.7166	2.2	545.658
Sn 189.925	1042.44	ppb	26.0763	2.5	651.794
Sr 216.596	749.495	ppb	19.2983	2.6	4569.04
Ti 334.941	2398.05	ppb	66.6441	2.8	501276
Tl 190.794	1963.73	ppb	50.8239	2.6	914.758
V 292.401	651.234	ppb	17.3719	2.7	18257.0
Zn 206.200	1826.22	ppb	44.5598	2.4	5639.14

680-88612-a-30-e ms (Samp) 4/2/2013, 8:02:23 PM Rack 2, Tube 22

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	14.9181	ppb	0.3051	2.0	415.587
Al 308.215	76357.8	ppb	364.118	0.5	212737
As 188.980	115.884	ppb	7.6757	6.6	39.1862
B 249.678	191.067	ppb	0.7373	0.4	1517.06
Ba 389.178	801.225	ppb	3.6767	0.5	13319.7
Be 313.042	51.7619	ppb	0.2689	0.5	78416.1
Ca 370.602	103657	ppb	462.5	0.4	377170
Cd 226.502	53.4495	ppb	0.2274	0.4	1400.72
Co 228.615	66.1453	ppb	0.4630	0.7	537.265
Cr 267.716	184.911	ppb	1.0535	0.6	2950.96
Cu 324.754	369.029	ppb	3.0607	0.8	13251.7
Fe 271.441	81236.0	ppb	426.729	0.5	60472.1
K 766.491	9167.68	ppb	38.2790	0.4	1180596

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	11279.7	ppb	54.5420	0.5	12741.4
Mn 257.610	1946.22	ppb	10.8307	0.6	184647
Mo 202.032	89.1287	ppb	0.9542	1.1	304.032
Na 330.237	5363.92	ppb	96.8691	1.8	308.854
Ni 231.604	149.892	ppb	1.3663	0.9	445.315
Pb 220.353	1492.08	ppb	7.4893	0.5	1240.33
Sb 206.834	23.6776	ppb	0.6037	2.5	19.9765
Se 196.026	79.5134	ppb	4.3656	5.5	24.9017
Sn 189.925	261.775	ppb	2.0421	0.8	164.620
Sr 216.596	326.461	ppb	1.0742	0.3	2022.53
Ti 334.941	1033.76	ppb	5.3560	0.5	216204
Tl 190.794	33.9981	ppb	8.5909	25.3	10.0877
V 292.401	267.523	ppb	1.3126	0.5	7545.88
Zn 206.200	1594.31	ppb	9.1470	0.6	4925.59

680-88612-a-30-f msd (Samp) 4/2/2013, 8:07:50 PM Rack 2, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	17.5347	ppb	0.8307	4.7	493.431
Al 308.215	80962.5	ppb	1270.03	1.6	225555
As 188.980	132.298	ppb	5.8993	4.5	44.5596
B 249.678	204.315	ppb	1.5446	0.8	1569.93
Ba 389.178	1186.37	ppb	19.1772	1.6	19705.3
Be 313.042	54.9941	ppb	0.9301	1.7	83314.8
Ca 370.602	157900	ppb	2246	1.4	577278
Cd 226.502	53.6722	ppb	1.4996	2.8	1462.35
Co 228.615	79.7740	ppb	1.0776	1.4	650.906
Cr 267.716	193.172	ppb	3.1257	1.6	3069.62
Cu 324.754	340.227	ppb	2.4670	0.7	12072.8
Fe 271.441	108223	ppb	1882.47	1.7	80551.9
K 766.491	11150.6	ppb	147.338	1.3	1434401
Mg 279.078	11941.5	ppb	159.324	1.3	13406.1
Mn 257.610	2565.17	ppb	45.1396	1.8	243275
Mo 202.032	95.1545	ppb	1.8043	1.9	321.447
Na 330.237	5619.95	ppb	177.724	3.2	309.945
Ni 231.604	148.561	ppb	2.5381	1.7	443.072
Pb 220.353	1237.20	ppb	19.5371	1.6	1026.74
Sb 206.834	26.0911	ppb	4.8220	18.5	22.2370
Se 196.026	93.6482	ppb	11.5600	12.3	28.6227
Sn 189.925	260.723	ppb	5.9152	2.3	163.851
Sr 216.596	940.509	ppb	16.9560	1.8	5766.28
Ti 334.941	1386.15	ppb	24.0333	1.7	289890
Tl 190.794	26.7382	ppb	4.5777	17.1	5.2682
V 292.401	290.162	ppb	4.6285	1.6	8188.47
Zn 206.200	1307.36	ppb	20.5656	1.6	4042.81

680-88612-a-31-b (Samp) 4/2/2013, 8:13:18 PM Rack 2, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3397	ppb	0.5935	174.7	-64.8828
Al 308.215	73620.7	ppb	1047.55	1.4	205110

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	3.8077	ppb	4.6399	121.9	-1.5830
B 249.678	14.5131	ppb	0.8429	5.8	-27.2573
Ba 389.178	1429.92	ppb	21.3742	1.5	23680.0
Be 313.042	1.2455	ppb	0.0330	2.6	2216.56
Ca 370.602	6870	ppb	41.84	0.6	10128
Cd 226.502	-1.4506	ppb	0.2886	19.9	188.029
Co 228.615	3.6050	ppb	0.1577	4.4	38.2656
Cr 267.716	88.4780	ppb	1.2177	1.4	1401.98
Cu 324.754	41.2004	ppb	0.2648	0.6	1670.33
Fe 271.441	88344.8	ppb	1353.96	1.5	65757.8
K 766.491	2147.51	ppb	25.0756	1.2	281486
Mg 279.078	1760.03	ppb	19.0864	1.1	1779.90
Mn 257.610	413.161	ppb	6.0590	1.5	39503.9
Mo 202.032	1.8114	ppb	0.5336	29.5	0.4662
Na 330.237	239.739	ppb	100.106	41.8	-28.5814
Ni 231.604	16.9562	ppb	0.7869	4.6	58.8692
Pb 220.353	363.732	ppb	9.5721	2.6	298.184
Sb 206.834	3.7513	ppb	6.0413	161.0	6.3281
Se 196.026	-0.9803	ppb	11.9454	1218.6	1.4514
Sn 189.925	16.1383	ppb	1.6384	10.2	11.7134
Sr 216.596	52.0660	ppb	0.3488	0.7	362.149
Ti 334.941	721.612	ppb	11.0758	1.5	150876
Tl 190.794	-1.8371	ppb	1.6977	92.4	-6.3278
V 292.401	190.797	ppb	2.6082	1.4	5413.95
Zn 206.200	84.2927	ppb	1.4082	1.7	276.971

Cont Calib Verif (CCV)

4/2/2013, 8:18:46 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	496.365	ppb	0.5971	0.1	15384.8	99.27299
Al 308.215	4953.45	ppb	16.6508	0.3	14187.2	99.06905
As 188.980	488.620	ppb	4.8301	1.0	181.549	97.72405
B 249.678	508.722	ppb	1.1373	0.2	4445.50	20.34888Q
Ba 389.178	4890.74	ppb	10.6994	0.2	80704.9	97.81483
Be 313.042	487.501	ppb	0.9472	0.2	737841	97.50017
Ca 370.602	5030	ppb	11.80	0.2	18454	100.60032
Cd 226.502	482.530	ppb	0.2939	0.1	10828.8	96.50607
Co 228.615	489.062	ppb	0.8698	0.2	3883.84	97.81239
Cr 267.716	4920.17	ppb	4.8439	0.1	78760.0	98.40334
Cu 324.754	4819.76	ppb	24.6974	0.5	174288	96.39523
Fe 271.441	4992.65	ppb	7.4461	0.1	3800.60	99.85300
K 766.491	9939.64	ppb	20.2569	0.2	1278349	99.39639
Mg 279.078	4875.84	ppb	20.0092	0.4	5644.75	97.51682
Mn 257.610	5054.45	ppb	5.7051	0.1	478775	101.08891
Mo 202.032	497.187	ppb	2.5986	0.5	1719.05	99.43735
Na 330.237	7463.46	ppb	76.3161	1.0	486.461	99.51286
Ni 231.604	2443.45	ppb	8.0610	0.3	7112.03	97.73817
Pb 220.353	495.629	ppb	1.8532	0.4	411.314	99.12575
Sb 206.834	938.622	ppb	2.2447	0.2	644.532	37.54490Q
Se 196.026	4872.84	ppb	12.4702	0.3	1374.14	97.45673
Sn 189.925	4947.41	ppb	18.4042	0.4	3087.15	98.94817
Sr 216.596	2444.88	ppb	1.7212	0.1	14749.1	97.79519
Ti 334.941	498.963	ppb	0.4046	0.1	104642	99.79259

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4988.18	ppb	5.0354	0.1	2338.39	99.76354
V 292.401	4959.95	ppb	12.6928	0.3	139224	99.19909
Zn 206.200	2436.19	ppb	2.5265	0.1	7497.29	97.44762

Cont Calib Blank (CCB)

4/2/2013, 8:24:13 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	0.0433	ppb	0.3723	859.3	-36.0043	0.04333
Al 308.215	-37.9213	ppb	2.5039	6.6	38.4003	-37.92134
As 188.980	1.6245	ppb	2.0160	124.1	-2.2231	1.62447
B 249.678	-0.6663	ppb	0.8781	131.8	44.5017	-0.66627
Ba 389.178	0.2441	ppb	0.9912	406.1	-8.9910	0.24407
Be 313.042	-0.1798	ppb	0.0033	1.8	-49.6915	-0.17977
Ca 370.602	-52.00	ppb	3.892	7.5	-87.94	-51.99593
Cd 226.502	-0.6051	ppb	0.1277	21.1	17.4888	-0.60513
Co 228.615	-1.0864	ppb	0.2743	25.3	-11.1656	-1.08641
Cr 267.716	-0.9226	ppb	0.2153	23.3	18.3612	-0.92256
Cu 324.754	-1.0882	ppb	0.0665	6.1	128.715	-1.08824
Fe 271.441	-40.2323	ppb	6.3105	15.7	-4.3756	-40.23229Z
K 766.491	-36.2533	ppb	0.1047	0.3	2238.93	-36.25327
Mg 279.078	-40.6217	ppb	5.3237	13.1	21.8500	-40.62172
Mn 257.610	-2.4950	ppb	0.0230	0.9	46.2363	-2.49503
Mo 202.032	-1.6940	ppb	0.4411	26.0	-0.8347	-1.69396
Na 330.237	-49.0461	ppb	126.634	258.2	-1.0498	-49.04608
Ni 231.604	0.0946	ppb	1.0585	1119.4	4.4469	0.09456
Pb 220.353	1.1568	ppb	1.2312	106.4	3.8026	1.15678
Sb 206.834	2.7700	ppb	2.6841	96.9	3.9329	2.77001
Se 196.026	1.3566	ppb	3.6111	266.2	3.5882	1.35662
Sn 189.925	-3.1590	ppb	2.3199	73.4	-0.4918	-3.15903
Sr 216.596	-1.6966	ppb	0.5888	34.7	-6.6845	-1.69657
Ti 334.941	-0.6008	ppb	0.0348	5.8	-40.8932	-0.60078
Tl 190.794	0.5912	ppb	2.8256	478.0	-1.3276	0.59118
V 292.401	-0.3747	ppb	0.0176	4.7	15.9326	-0.37472
Zn 206.200	-2.9627	ppb	0.5723	19.3	6.4757	-2.96272

680-88612-a-32-b (Samp)

4/2/2013, 8:29:40 PM

Rack 2, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1158	ppb	0.3247	280.5	-52.8291
Al 308.215	85955.3	ppb	206.395	0.2	239461
As 188.980	-11.1353	ppb	5.7800	51.9	-7.1851
B 249.678	10.4830	ppb	0.4421	4.2	-61.3235
Ba 389.178	296.564	ppb	1.1631	0.4	4986.62
Be 313.042	1.6559	ppb	0.0127	0.8	2968.35
Ca 370.602	6718	ppb	17.76	0.3	9642
Cd 226.502	-1.4071	ppb	0.4522	32.1	189.097
Co 228.615	3.5563	ppb	0.8050	22.6	41.6416
Cr 267.716	111.648	ppb	0.3641	0.3	1771.41
Cu 324.754	52.4093	ppb	0.2464	0.5	2069.62
Fe 271.441	88052.6	ppb	354.418	0.4	65542.4
K 766.491	3571.69	ppb	12.5221	0.4	464158

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	2659.74	ppb	7.2476	0.3	2815.43
Mn 257.610	140.450	ppb	0.5069	0.4	13693.4
Mo 202.032	0.5033	ppb	0.7194	142.9	-4.2815
Na 330.237	237.682	ppb	166.715	70.1	-30.8639
Ni 231.604	12.2183	ppb	1.0156	8.3	45.1102
Pb 220.353	62.6259	ppb	3.8274	6.1	45.2776
Sb 206.834	3.4031	ppb	6.9720	204.9	5.5458
Se 196.026	6.4943	ppb	9.3819	144.5	3.5553
Sn 189.925	14.5532	ppb	2.9009	19.9	10.8040
Sr 216.596	31.2387	ppb	1.1221	3.6	235.926
Ti 334.941	1037.53	ppb	4.5172	0.4	216885
Tl 190.794	-4.1748	ppb	3.1131	74.6	-7.0865
V 292.401	414.718	ppb	1.3825	0.3	11719.2
Zn 206.200	49.3842	ppb	1.2110	2.5	169.437

680-88612-a-33-b (Samp)

4/2/2013, 8:35:07 PM

Rack 2, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.3586	ppb	0.9349	68.8	-5.6685
Al 308.215	48510.3	ppb	81.7017	0.2	135201
As 188.980	9.7284	ppb	6.0213	61.9	0.6350
B 249.678	9.8990	ppb	0.4169	4.2	7.2087
Ba 389.178	294.649	ppb	0.8283	0.3	4916.29
Be 313.042	0.9231	ppb	0.0147	1.6	1694.75
Ca 370.602	9415	ppb	11.72	0.1	25618
Cd 226.502	-0.8174	ppb	0.0264	3.2	133.024
Co 228.615	5.6223	ppb	0.4197	7.5	54.2088
Cr 267.716	56.4704	ppb	0.5590	1.0	907.589
Cu 324.754	139.589	ppb	0.7150	0.5	5205.48
Fe 271.441	55997.0	ppb	55.4703	0.1	41689.9
K 766.491	1961.26	ppb	2.6204	0.1	257941
Mg 279.078	2109.50	ppb	9.3087	0.4	2294.71
Mn 257.610	604.720	ppb	0.7362	0.1	57603.2
Mo 202.032	1.1485	ppb	1.3943	121.4	2.1419
Na 330.237	126.114	ppb	126.948	100.7	-20.7335
Ni 231.604	18.1270	ppb	1.2731	7.0	60.3351
Pb 220.353	2805.19	ppb	6.0336	0.2	2340.73
Sb 206.834	12.7658	ppb	5.8127	45.5	10.9616
Se 196.026	-6.3569	ppb	7.1129	111.9	0.5763
Sn 189.925	59.1550	ppb	2.9240	4.9	38.5456
Sr 216.596	35.0197	ppb	0.4002	1.1	243.023
Ti 334.941	799.482	ppb	2.0301	0.3	167144
Tl 190.794	-3.9935	ppb	8.6238	215.9	-5.7481
V 292.401	131.252	ppb	0.3127	0.2	3734.12
Zn 206.200	502.768	ppb	1.8614	0.4	1564.67

680-88612-a-34-b (Samp)

4/2/2013, 8:40:34 PM

Rack 2, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2075b	ppb	0.6067	292.3	-53.5690
Al 308.215	53710.9b	ppb	309.916	0.6	149679

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	27.9208b	ppb	6.4646	23.2	4.2936
B 249.678	21.5068b	ppb	1.1592	5.4	-41.2162
Ba 389.178	1831.21b	ppb	7.3776	0.4	30348.9
Be 313.042	2.7856b	ppb	0.0174	0.6	4627.73
Ca 370.602	229528b	ppb	761.6	0.3	845562
Cd 226.502	0.2283b	ppb	0.1691	74.0	292.447
Co 228.615	14.4658b	ppb	0.6040	4.2	133.932
Cr 267.716	99.3078b	ppb	0.6556	0.7	1558.66
Cu 324.754	216.179b	ppb	1.7258	0.8	7399.33
Fe 271.441	120801b	ppb	651.427	0.5	89906.5
K 766.491	3347.50b	ppb	14.5529	0.4	435036
Mg 279.078	8213.75b	ppb	51.4221	0.6	9080.75
Mn 257.610	1049.36b	ppb	3.9113	0.4	99788.5
Mo 202.032	3.1020b	ppb	0.5992	19.3	0.3484
Na 330.237	651.573b	ppb	75.6023	11.6	-18.9202
Ni 231.604	33.9557b	ppb	0.5566	1.6	110.474
Pb 220.353	19016.9xb	ppb	75.0077	0.4	15883.2
Sb 206.834	5.3734b	ppb	4.6737	87.0	9.1280
Se 196.026	-2.5596b	ppb	12.3974	484.3	1.1218
Sn 189.925	121.586b	ppb	0.4671	0.4	76.7946
Sr 216.596	366.557b	ppb	1.8463	0.5	2295.62
Ti 334.941	1349.47b	ppb	4.9931	0.4	282297
Tl 190.794	-3.9625b	ppb	5.9280	149.6	-10.0901
V 292.401	251.911b	ppb	0.9694	0.4	7144.78
Zn 206.200	1626.74b	ppb	9.7694	0.6	5026.63

680-88612-a-35-b (Samp)

4/2/2013, 8:46:01 PM

Rack 2, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.7267	ppb	0.4869	67.0	-35.5141
Al 308.215	99037.1	ppb	815.956	0.8	275872
As 188.980	-6.1502	ppb	7.0534	114.7	-5.2970
B 249.678	8.9236	ppb	0.4015	4.5	-82.1867
Ba 389.178	567.607	ppb	3.7317	0.7	9461.98
Be 313.042	1.6567	ppb	0.0232	1.4	2843.86
Ca 370.602	5001	ppb	6.122	0.1	2616
Cd 226.502	-1.9532	ppb	0.3021	15.5	184.505
Co 228.615	7.1016	ppb	0.5613	7.9	76.5343
Cr 267.716	115.679	ppb	0.8444	0.7	1836.31
Cu 324.754	45.5964	ppb	0.5162	1.1	1830.39
Fe 271.441	91250.0	ppb	730.521	0.8	67919.5
K 766.491	4347.84	ppb	34.9884	0.8	563472
Mg 279.078	3341.73	ppb	19.5589	0.6	3587.43
Mn 257.610	305.607	ppb	2.5655	0.8	29337.9
Mo 202.032	0.3241	ppb	0.6725	207.5	-4.7520
Na 330.237	356.116	ppb	95.0085	26.7	-28.0068
Ni 231.604	20.6449	ppb	0.9331	4.5	69.8357
Pb 220.353	56.9177	ppb	4.6023	8.1	39.0895
Sb 206.834	-1.1840	ppb	1.8978	160.3	2.1790
Se 196.026	0.3587	ppb	3.6038	1004.6	1.8382
Sn 189.925	17.0918	ppb	2.7798	16.3	12.5122
Sr 216.596	28.4248	ppb	0.7347	2.6	220.207
Ti 334.941	1509.62	ppb	12.2855	0.8	315521

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-3.2771	ppb	3.0672	93.6	-6.8401
V 292.401	200.369	ppb	1.8931	0.9	5690.05
Zn 206.200	65.6020	ppb	1.3012	2.0	219.450

mb 680-271166/1-a (Samp) **4/2/2013, 8:51:28 PM** **Rack 2, Tube 31**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3484	ppb	0.4763	136.7	-26.5294
Al 308.215	-29.1254	ppb	5.8095	19.9	62.8725
As 188.980	-9.2286	ppb	3.4759	37.7	-6.3018
B 249.678	-1.0289	ppb	0.7044	68.5	41.3367
Ba 389.178	-1.4909	ppb	0.6558	44.0	-37.5566
Be 313.042	-0.2093	ppb	0.0407	19.4	-94.4780
Ca 370.602	-28.98	ppb	4.169	14.4	-3.371
Cd 226.502	-0.8321	ppb	0.3324	39.9	12.4440
Co 228.615	-0.8038	ppb	0.2710	33.7	-8.9212
Cr 267.716	-0.7936	ppb	0.0944	11.9	20.4214
Cu 324.754	-1.5607	ppb	0.3494	22.4	111.590
Fe 271.441	-27.6577	ppb	1.0421	3.8	4.9865
K 766.491	-26.0878	ppb	1.9838	7.6	3541.11
Mg 279.078	-25.9346	ppb	2.1688	8.4	38.6801
Mn 257.610	-2.6153	ppb	0.0367	1.4	34.9261
Mo 202.032	-1.3093	ppb	0.7859	60.0	0.4982
Na 330.237	37.9045	ppb	70.7932	186.8	4.6066
Ni 231.604	0.3123	ppb	0.8134	260.4	5.0838
Pb 220.353	-1.6446	ppb	1.1322	68.8	1.4612
Sb 206.834	-0.3310	ppb	4.0904	1235.9	1.9032
Se 196.026	-6.4373	ppb	9.7924	152.1	1.3968
Sn 189.925	4.1908	ppb	3.1275	74.6	4.0921
Sr 216.596	-1.3053	ppb	0.4593	35.2	-4.3083
Ti 334.941	-0.2999	ppb	0.0517	17.2	22.0064
Tl 190.794	2.3770	ppb	4.5909	193.1	-0.4927
V 292.401	-0.7394	ppb	0.2153	29.1	5.6457
Zn 206.200	-3.5542	ppb	0.5790	16.3	4.6552

lcs 680-271166/2-a (Samp) **4/2/2013, 8:56:55 PM** **Rack 2, Tube 32**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.2782	ppb	0.1215	0.3	1432.50
Al 308.215	4883.36	ppb	13.3210	0.3	13746.1
As 188.980	100.441	ppb	9.1319	9.1	34.8574
B 249.678	181.398	ppb	0.7056	0.4	1608.55
Ba 389.178	101.756	ppb	0.2942	0.3	1681.04
Be 313.042	51.3053	ppb	0.1824	0.4	77597.3
Ca 370.602	4931	ppb	17.45	0.4	17877
Cd 226.502	51.0040	ppb	0.1301	0.3	1181.79
Co 228.615	50.5605	ppb	0.7654	1.5	398.783
Cr 267.716	101.900	ppb	0.2917	0.3	1661.67
Cu 324.754	99.7622	ppb	0.5934	0.6	3761.99
Fe 271.441	4871.08	ppb	28.7259	0.6	3652.92
K 766.491	4920.58	ppb	13.6436	0.3	636940

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	4747.51	ppb	9.7965	0.2	5505.79
Mn 257.610	530.587	ppb	1.7916	0.3	50527.8
Mo 202.032	98.2592	ppb	0.9695	1.0	344.974
Na 330.237	4621.39	ppb	114.301	2.5	300.434
Ni 231.604	99.3475	ppb	1.1444	1.2	293.496
Pb 220.353	47.6780	ppb	3.4137	7.2	41.8692
Sb 206.834	45.9905	ppb	4.5732	9.9	32.6139
Se 196.026	90.3950	ppb	8.3705	9.3	28.6846
Sn 189.925	201.820	ppb	4.2516	2.1	127.356
Sr 216.596	97.4140	ppb	0.6438	0.7	592.240
Ti 334.941	97.7050	ppb	0.3872	0.4	20510.7
Tl 190.794	37.6844	ppb	7.3510	19.5	15.8775
V 292.401	98.1421	ppb	0.1880	0.2	2760.35
Zn 206.200	96.3983	ppb	0.8450	0.9	312.264

lcs 680-271166/3-a (Samp) 4/2/2013, 9:02:22 PM Rack 2, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	193.845	ppb	2.1473	1.1	5989.59
Al 308.215	1952.92	ppb	0.5645	0.0	5592.24
As 188.980	191.515	ppb	5.4075	2.8	68.8867
B 249.678	349.397	ppb	1.2263	0.4	3031.84
Ba 389.178	182.079	ppb	1.0081	0.6	3047.74
Be 313.042	189.797	ppb	0.2634	0.1	286376
Ca 370.602	18867	ppb	23.55	0.1	68036
Cd 226.502	189.510	ppb	0.7482	0.4	4307.23
Co 228.615	188.338	ppb	0.7850	0.4	1492.80
Cr 267.716	190.116	ppb	0.2409	0.1	3067.27
Cu 324.754	189.672	ppb	1.7504	0.9	6980.68
Fe 271.441	18890.5	ppb	25.3729	0.1	14090.6
K 766.491	18418.9	ppb	7.2383	0.0	2365397
Mg 279.078	18077.9	ppb	27.6631	0.2	20772.2
Mn 257.610	1960.98	ppb	3.3677	0.2	185983
Mo 202.032	187.335	ppb	0.5612	0.3	651.797
Na 330.237	16766.0	ppb	233.232	1.4	1084.72
Ni 231.604	190.085	ppb	0.7169	0.4	558.566
Pb 220.353	180.167	ppb	6.9944	3.9	152.571
Sb 206.834	173.627	ppb	3.5274	2.0	117.328
Se 196.026	176.962	ppb	5.9181	3.3	53.1241
Sn 189.925	196.093	ppb	2.7308	1.4	123.758
Sr 216.596	193.649	ppb	0.0976	0.1	1178.77
Ti 334.941	183.786	ppb	0.2396	0.1	38516.6
Tl 190.794	37.0087	ppb	2.1817	5.9	15.1613
V 292.401	187.024	ppb	0.6994	0.4	5237.46
Zn 206.200	175.313	ppb	1.8974	1.1	555.673

680-88766-b-6-a (Samp) 4/2/2013, 9:07:49 PM Rack 2, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0415	ppb	0.6007	1448.6	-53.1827
Al 308.215	82945.3	ppb	5205.94	6.3	231061

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	114.135	ppb	21.4293	18.8	34.5579
B 249.678	51.0549	ppb	1.0454	2.0	-107.756
Ba 389.178	707.544	ppb	45.6316	6.4	12058.8
Be 313.042	7.0388	ppb	0.4587	6.5	11144.1
Ca 370.602	371415	ppb	20243	5.5	1356367
Cd 226.502	5.1031	ppb	1.9820	38.8	696.992
Co 228.615	56.7248	ppb	3.3839	6.0	468.354
Cr 267.716	409.410	ppb	24.9795	6.1	6455.49
Cu 324.754	541.439	ppb	20.7817	3.8	18836.8
Fe 271.441	261235	ppb	16439.5	6.3	194395
K 766.491	7501.88	ppb	385.160	5.1	967306
Mg 279.078	53028.0	ppb	3157.78	6.0	60071.5
Mn 257.610	8490.20	ppb	523.830	6.2	804427
Mo 202.032	20.8014	ppb	0.1563	0.8	43.6721
Na 330.237	1480.21	ppb	245.633	16.6	-28.0135
Ni 231.604	232.929	ppb	14.6063	6.3	699.131
Pb 220.353	730.243	ppb	33.6850	4.6	602.073
Sb 206.834	1.4135	ppb	2.0366	144.1	14.6559
Se 196.026	4.2863	ppb	12.7241	296.9	2.3802
Sn 189.925	47.3002	ppb	7.0467	14.9	29.9023
Sr 216.596	526.226	ppb	34.3208	6.5	3329.78
Ti 334.941	1156.75	ppb	72.1520	6.2	242207
Tl 190.794	-11.2218	ppb	16.8948	150.6	-20.9840
V 292.401	368.074	ppb	23.1842	6.3	10403.5
Zn 206.200	2385.61	ppb	147.367	6.2	7366.67

680-88766-b-6-aSD^5 (Samp)

4/2/2013, 9:13:17 PM

Rack 2, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.0657	ppb	0.0463	70.5	-38.9819
Al 308.215	17547.9	ppb	411.149	2.3	48996.6
As 188.980	19.9232	ppb	1.0136	5.1	3.4281
B 249.678	11.5115	ppb	0.8995	7.8	15.0534
Ba 389.178	157.127	ppb	3.5598	2.3	2668.65
Be 313.042	1.3931	ppb	0.0254	1.8	2390.44
Ca 370.602	82686	ppb	1761	2.1	301942
Cd 226.502	0.0352	ppb	0.4136	1175.3	155.790
Co 228.615	11.7158	ppb	0.4190	3.6	95.0387
Cr 267.716	91.0078	ppb	1.8403	2.0	1460.48
Cu 324.754	116.035	ppb	2.8268	2.4	4161.58
Fe 271.441	58715.8	ppb	1299.21	2.2	43712.5
K 766.491	1382.35	ppb	32.1903	2.3	183848
Mg 279.078	11724.4	ppb	270.211	2.3	13331.6
Mn 257.610	1943.87	ppb	41.5381	2.1	184393
Mo 202.032	3.4771	ppb	0.9139	26.3	9.5557
Na 330.237	419.289	ppb	37.4787	8.9	1.0444
Ni 231.604	51.3640	ppb	1.6778	3.3	157.492
Pb 220.353	160.733	ppb	7.7866	4.8	134.799
Sb 206.834	5.9993	ppb	2.4275	40.5	8.6368
Se 196.026	4.9798	ppb	4.0018	80.4	4.1503
Sn 189.925	10.5819	ppb	3.1161	29.4	7.8380
Sr 216.596	115.335	ppb	2.8529	2.5	733.368
Ti 334.941	255.087	ppb	5.4336	2.1	53478.2

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	1.5915	ppb	3.1573	198.4	-4.0210
V 292.401	80.8995	ppb	2.2899	2.8	2307.42
Zn 206.200	536.991	ppb	12.0827	2.3	1670.29

680-88766-b-6-aPDS (Samp) **4/2/2013, 9:18:45 PM** **Rack 2, Tube 36**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	49.7453	ppb	0.7015	1.4	1490.71
Al 308.215	83825.0	ppb	112.007	0.1	233545
As 188.980	2123.01	ppb	18.6940	0.9	789.486
B 249.678	1000.11	ppb	2.8049	0.3	8117.57
Ba 389.178	2715.68	ppb	1.1229	0.0	45191.6
Be 313.042	56.7696	ppb	0.0649	0.1	86333.3
Ca 370.602	372050	ppb	715.1	0.2	1359564
Cd 226.502	52.7121	ppb	0.4188	0.8	1753.57
Co 228.615	555.168	ppb	2.2498	0.4	4432.59
Cr 267.716	602.130	ppb	1.0106	0.2	9540.41
Cu 324.754	803.642	ppb	2.1515	0.3	28302.7
Fe 271.441	257425	ppb	127.645	0.0	191588
K 766.491	13592.6	ppb	9.3635	0.1	1746694
Mg 279.078	57136.1	ppb	53.6380	0.1	64804.6
Mn 257.610	8840.84	ppb	1.5235	0.0	837636
Mo 202.032	517.155	ppb	0.6308	0.1	1764.25
Na 330.237	6835.57	ppb	32.1172	0.5	316.572
Ni 231.604	710.704	ppb	0.9674	0.1	2088.96
Pb 220.353	1186.27	ppb	6.2722	0.5	982.040
Sb 206.834	472.174	ppb	8.2241	1.7	317.891
Se 196.026	1950.02	ppb	16.7658	0.9	549.599
Sn 189.925	991.958	ppb	5.9842	0.6	619.296
Sr 216.596	1007.81	ppb	2.0273	0.2	6225.80
Ti 334.941	2106.59	ppb	2.6657	0.1	440677
Tl 190.794	1894.53	ppb	8.8068	0.5	872.448
V 292.401	851.806	ppb	0.6809	0.1	23900.1
Zn 206.200	2799.60	ppb	1.5851	0.1	8640.52

Cont Calib Verif (CCV) **4/2/2013, 9:24:13 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	494.366	ppb	5.1208	1.0	15322.7	98.87313
Al 308.215	4946.22	ppb	41.1292	0.8	14166.8	98.92449
As 188.980	491.305	ppb	3.8606	0.8	182.558	98.26107
B 249.678	511.033	ppb	5.0617	1.0	4465.55	20.44134Q
Ba 389.178	4883.39	ppb	49.4222	1.0	80583.6	97.66776
Be 313.042	487.633	ppb	5.5226	1.1	738037	97.52657
Ca 370.602	5050	ppb	43.84	0.9	18531	100.99928
Cd 226.502	482.715	ppb	5.7810	1.2	10832.9	96.54310
Co 228.615	490.735	ppb	5.8458	1.2	3897.13	98.14700
Cr 267.716	4923.26	ppb	59.2147	1.2	78809.5	98.46513
Cu 324.754	4829.91	ppb	49.8619	1.0	174655	96.59814
Fe 271.441	4988.06	ppb	41.1037	0.8	3797.19	99.76124
K 766.491	9943.91	ppb	83.0351	0.8	1278897	99.43906

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4869.44	ppb	47.4416	1.0	5637.43	97.38880
Mn 257.610	5058.84	ppb	58.2688	1.2	479192	101.17686
Mo 202.032	495.533	ppb	3.9237	0.8	1713.33	99.10662
Na 330.237	7257.75	ppb	129.343	1.8	473.067	96.77000
Ni 231.604	2442.00	ppb	27.8458	1.1	7107.82	97.68011
Pb 220.353	496.560	ppb	6.7609	1.4	412.094	99.31197
Sb 206.834	944.264	ppb	9.7319	1.0	648.212	37.77058Q
Se 196.026	4863.30	ppb	70.8322	1.5	1371.46	97.26600
Sn 189.925	4949.97	ppb	45.9553	0.9	3088.75	98.99942
Sr 216.596	2444.75	ppb	26.7911	1.1	14748.4	97.79019
Ti 334.941	498.658	ppb	5.4920	1.1	104578	99.73155
Tl 190.794	5003.85	ppb	73.6677	1.5	2345.72	100.07705
V 292.401	4953.62	ppb	49.1924	1.0	139046	99.07238
Zn 206.200	2438.30	ppb	24.5370	1.0	7503.79	97.53203

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4/2/2013, 9:29:40 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	-0.0816	ppb	0.4039	495.1	-39.8834	-0.08157
Al 308.215	-42.7586	ppb	3.2519	7.6	24.9529	-42.75856
As 188.980	-3.9881	ppb	4.2183	105.8	-4.3319	-3.98809
B 249.678	0.3694	ppb	0.3069	83.1	53.4397	0.36937
Ba 389.178	-0.1763	ppb	1.3864	786.5	-15.9061	-0.17627
Be 313.042	-0.1802	ppb	0.0102	5.6	-50.4622	-0.18025
Ca 370.602	-49.19	ppb	1.996	4.1	-78.31	-49.18900
Cd 226.502	-0.6362	ppb	0.1043	16.4	16.8060	-0.63617
Co 228.615	-1.1089	ppb	0.3489	31.5	-11.3587	-1.10895
Cr 267.716	-1.0141	ppb	0.1889	18.6	16.8931	-1.01413
Cu 324.754	-1.2202	ppb	0.4030	33.0	123.940	-1.22022
Fe 271.441	-36.0294	ppb	7.6425	21.2	-1.2518	-36.02940Z
K 766.491	-35.8190	ppb	0.4333	1.2	2294.62	-35.81897
Mg 279.078	-40.9704	ppb	1.6925	4.1	21.4302	-40.97039
Mn 257.610	-2.4515	ppb	0.0392	1.6	50.3736	-2.45150
Mo 202.032	-0.8088	ppb	0.7046	87.1	2.2338	-0.80875
Na 330.237	-34.9463	ppb	30.2419	86.5	-0.1350	-34.94625
Ni 231.604	-0.8285	ppb	0.6523	78.7	1.7648	-0.82853
Pb 220.353	-3.1562	ppb	2.9429	93.2	0.1983	-3.15615
Sb 206.834	1.5075	ppb	2.3160	153.6	3.1080	1.50748
Se 196.026	-0.8137	ppb	0.8537	104.9	2.9779	-0.81373
Sn 189.925	-1.2123	ppb	3.4828	287.3	0.7224	-1.21229
Sr 216.596	-1.7979	ppb	0.1246	6.9	-7.2776	-1.79790
Ti 334.941	-0.6139	ppb	0.0889	14.5	-43.6278	-0.61386
Tl 190.794	2.4642	ppb	6.0145	244.1	-0.4524	2.46425
V 292.401	-0.3300	ppb	0.1114	33.8	16.9950	-0.33005
Zn 206.200	-4.0227	ppb	0.6174	15.3	3.2127	-4.02273

680-88766-b-6-b ms (Samp)

4/2/2013, 9:35:07 PM

Rack 2, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.5836	ppb	3.5260	7.9	1339.12
Al 308.215	76153.7	ppb	2288.42	3.0	212155

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	170.334	ppb	5.5486	3.3	55.7842
B 249.678	204.486	ppb	4.4325	2.2	1225.08
Ba 389.178	910.389	ppb	28.2933	3.1	15449.9
Be 313.042	49.4308	ppb	1.5078	3.1	75029.2
Ca 370.602	363607	ppb	10232	2.8	1327353
Cd 226.502	49.7262	ppb	2.6445	5.3	1689.51
Co 228.615	103.405	ppb	5.0407	4.9	839.530
Cr 267.716	448.756	ppb	15.1772	3.4	7088.98
Cu 324.754	812.396	ppb	15.4253	1.9	28652.9
Fe 271.441	259026	ppb	8029.96	3.1	192754
K 766.491	11503.7	ppb	350.436	3.0	1479688
Mg 279.078	78472.1	ppb	2232.22	2.8	89314.3
Mn 257.610	10493.0	ppb	328.468	3.1	994083
Mo 202.032	112.927	ppb	2.3692	2.1	363.287
Na 330.237	6025.31	ppb	47.2985	0.8	268.457
Ni 231.604	387.507	ppb	11.2410	2.9	1149.40
Pb 220.353	844.934	ppb	30.7030	3.6	698.462
Sb 206.834	35.5961	ppb	5.0267	14.1	36.5682
Se 196.026	91.4579	ppb	19.4604	21.3	27.4343
Sn 189.925	245.674	ppb	4.8030	2.0	153.688
Sr 216.596	533.328	ppb	17.8469	3.3	3363.82
Ti 334.941	1298.29	ppb	41.8929	3.2	271773
Tl 190.794	25.2620	ppb	9.0680	35.9	-3.5837
V 292.401	377.004	ppb	10.6702	2.8	10628.7
Zn 206.200	2546.05	ppb	80.7854	3.2	7861.28

680-88766-b-6-c msd (Samp)

4/2/2013, 9:40:34 PM

Rack 2, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.0208	ppb	0.8070	1.8	1394.46
Al 308.215	100619	ppb	557.369	0.6	280267
As 188.980	146.969	ppb	5.9687	4.1	45.9203
B 249.678	221.779	ppb	1.3157	0.6	1285.14
Ba 389.178	933.416	ppb	5.3716	0.6	15923.9
Be 313.042	47.9329	ppb	0.2071	0.4	72821.2
Ca 370.602	438679	ppb	1357	0.3	1604086
Cd 226.502	46.5489	ppb	0.6048	1.3	1701.37
Co 228.615	87.7491	ppb	0.9014	1.0	717.502
Cr 267.716	547.122	ppb	2.3316	0.4	8647.80
Cu 324.754	745.448	ppb	2.7549	0.4	26046.7
Fe 271.441	297813	ppb	1238.70	0.4	221612
K 766.491	12962.0	ppb	63.8058	0.5	1666415
Mg 279.078	104941	ppb	609.623	0.6	119587
Mn 257.610	14786.6	ppb	46.5427	0.3	1400637
Mo 202.032	115.624	ppb	2.5580	2.2	367.831
Na 330.237	6504.59	ppb	169.061	2.6	280.724
Ni 231.604	391.889	ppb	1.5312	0.4	1165.50
Pb 220.353	1033.64	ppb	13.2704	1.3	853.148
Sb 206.834	18.2176	ppb	7.3498	40.3	27.6746
Se 196.026	81.0768	ppb	13.5533	16.7	25.0241
Sn 189.925	212.055	ppb	6.4422	3.0	132.473
Sr 216.596	611.076	ppb	3.5001	0.6	3857.68
Ti 334.941	1416.89	ppb	6.0446	0.4	296641

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	26.4427	ppb	6.0139	22.7	-5.5272
V 292.401	428.838	ppb	1.8868	0.4	12081.7
Zn 206.200	2569.25	ppb	7.4066	0.3	7934.16

680-88766-b-12-a (Samp) 4/2/2013, 9:46:01 PM Rack 2, Tube 41

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5966	ppb	0.2255	37.8	-38.6472
Al 308.215	84071.7	ppb	308.549	0.4	234194
As 188.980	63.7832	ppb	12.3818	19.4	13.3788
B 249.678	71.0220	ppb	1.7967	2.5	-0.9367
Ba 389.178	897.915	ppb	2.4840	0.3	15281.2
Be 313.042	7.4996	ppb	0.0326	0.4	11858.7
Ca 370.602	529464	ppb	1567	0.3	1948426
Cd 226.502	4.6881	ppb	0.3715	7.9	747.633
Co 228.615	57.6381	ppb	0.3661	0.6	482.626
Cr 267.716	548.625	ppb	1.7207	0.3	8671.00
Cu 324.754	1941.49	ppb	2.9078	0.1	69022.6
Fe 271.441	289829	ppb	890.945	0.3	215669
K 766.491	8506.93	ppb	21.6613	0.3	1095950
Mg 279.078	79374.4	ppb	354.989	0.4	90243.9
Mn 257.610	9913.09	ppb	22.4069	0.2	939225
Mo 202.032	65.4202	ppb	1.1810	1.8	194.746
Na 330.237	1957.25	ppb	141.667	7.2	-13.5622
Ni 231.604	386.739	ppb	1.6535	0.4	1149.08
Pb 220.353	814.376	ppb	6.3967	0.8	671.891
Sb 206.834	4.6376	ppb	5.7731	124.5	19.3151
Se 196.026	15.4746	ppb	5.7056	36.9	5.8693
Sn 189.925	81.3246	ppb	4.4964	5.5	50.6542
Sr 216.596	740.616	ppb	1.3144	0.2	4644.24
Ti 334.941	1668.01	ppb	4.4322	0.3	349202
Tl 190.794	-10.1745	ppb	9.4412	92.8	-22.9423
V 292.401	339.237	ppb	1.0918	0.3	9581.42
Zn 206.200	2609.45	ppb	5.8069	0.2	8056.88

680-88766-b-13-a (Samp) 4/2/2013, 9:51:28 PM Rack 2, Tube 42

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.3516	ppb	0.3085	13.1	-89.2352
Al 308.215	106613	ppb	819.052	0.8	296946
As 188.980	125.088	ppb	7.1658	5.7	39.0580
B 249.678	65.2639	ppb	1.8992	2.9	-389.443
Ba 389.178	2895.22	ppb	20.9571	0.7	48355.3
Be 313.042	12.0308	ppb	0.1223	1.0	18763.5
Ca 370.602	333341	ppb	2274	0.7	1181079
Cd 226.502	4.1237	ppb	0.2909	7.1	1046.13
Co 228.615	151.030	ppb	0.9336	0.6	1233.21
Cr 267.716	732.129	ppb	6.8316	0.9	11548.3
Cu 324.754	6583.63	ppb	32.8554	0.5	237396
Fe 271.441	438101	ppb	3204.46	0.7	325992
K 766.491	8528.04	ppb	52.0663	0.6	1098114

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	55830.2	ppb	410.975	0.7	62639.2
Mn 257.610	26813.7	ppb	201.287	0.8	2539203
Mo 202.032	45.4008	ppb	1.5331	3.4	105.996
Na 330.237	1578.21	ppb	157.696	10.0	-109.974
Ni 231.604	366.592	ppb	2.8931	0.8	1098.44
Pb 220.353	1007.21	ppb	7.4777	0.7	829.559
Sb 206.834	9.3584	ppb	8.7901	93.9	25.3609
Se 196.026	10.5639	ppb	15.4193	146.0	3.9841
Sn 189.925	65.3001	ppb	0.9202	1.4	41.5234
Sr 216.596	578.062	ppb	3.5661	0.6	3715.85
Ti 334.941	2033.57	ppb	15.0938	0.7	425382
Tl 190.794	3.8257	ppb	3.3371	87.2	-20.3236
V 292.401	559.158	ppb	3.6384	0.7	15764.8
Zn 206.200	2747.62	ppb	23.0105	0.8	8484.33

680-88766-a-22-a (Samp)

4/2/2013, 9:56:55 PM

Rack 2, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.9728	ppb	0.5787	59.5	-3.5310
Al 308.215	103597	ppb	1029.85	1.0	288557
As 188.980	70.2713	ppb	15.8393	22.5	15.9603
B 249.678	81.1292	ppb	1.1385	1.4	149.803
Ba 389.178	1205.33	ppb	10.3568	0.9	20329.0
Be 313.042	6.9186	ppb	0.0566	0.8	10997.1
Ca 370.602	524332	ppb	3507	0.7	1934115
Cd 226.502	7.3967	ppb	0.3069	4.1	752.170
Co 228.615	63.1336	ppb	1.3609	2.2	525.003
Cr 267.716	731.500	ppb	5.2319	0.7	11617.9
Cu 324.754	994.432	ppb	5.0046	0.5	34794.9
Fe 271.441	262451	ppb	2307.22	0.9	195300
K 766.491	8373.43	ppb	49.5899	0.6	1078773
Mg 279.078	83686.9	ppb	677.765	0.8	95288.6
Mn 257.610	14071.2	ppb	71.9843	0.5	1332821
Mo 202.032	45.4263	ppb	1.5733	3.5	129.191
Na 330.237	2290.43	ppb	169.108	7.4	22.7748
Ni 231.604	383.829	ppb	3.0919	0.8	1139.14
Pb 220.353	1330.82	ppb	2.1204	0.2	1101.26
Sb 206.834	12.3762	ppb	10.4284	84.3	25.4176
Se 196.026	0.4547	ppb	4.3935	966.1	3.1049
Sn 189.925	117.229	ppb	3.4472	2.9	73.0355
Sr 216.596	727.661	ppb	6.1920	0.9	4554.08
Ti 334.941	1565.33	ppb	12.2150	0.8	327755
Tl 190.794	-8.7140	ppb	13.6936	157.1	-21.2832
V 292.401	362.419	ppb	2.4855	0.7	10212.9
Zn 206.200	3269.69	ppb	15.3494	0.5	10088.3

680-88767-b-14-a (Samp)

4/2/2013, 10:02:23 PM

Rack 2, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0768	ppb	0.4647	43.2	-82.7559
Al 308.215	82633.5	ppb	1377.13	1.7	230189

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	126.035	ppb	14.0899	11.2	41.9484
B 249.678	34.4209	ppb	0.3456	1.0	-335.946
Ba 389.178	1486.63	ppb	24.9997	1.7	24961.6
Be 313.042	8.8625	ppb	0.1594	1.8	13845.7
Ca 370.602	162504	ppb	2401	1.5	560386
Cd 226.502	3.0527	ppb	0.2378	7.8	728.813
Co 228.615	105.331	ppb	1.6266	1.5	853.909
Cr 267.716	359.336	ppb	6.2429	1.7	5636.93
Cu 324.754	356.106	ppb	7.4974	2.1	12722.8
Fe 271.441	298542	ppb	4785.72	1.6	222154
K 766.491	7757.51	ppb	102.378	1.3	999829
Mg 279.078	57674.3	ppb	937.195	1.6	65275.9
Mn 257.610	11053.8	ppb	165.296	1.5	1047157
Mo 202.032	9.2799	ppb	0.2021	2.2	-1.1236
Na 330.237	752.627	ppb	187.455	24.9	-92.7644
Ni 231.604	107.388	ppb	2.3550	2.2	336.472
Pb 220.353	715.613	ppb	7.0315	1.0	589.711
Sb 206.834	0.0587	ppb	3.3041	5628.1	12.5433
Se 196.026	7.5529	ppb	16.3388	216.3	2.3899
Sn 189.925	33.2773	ppb	5.1335	15.4	21.9282
Sr 216.596	221.897	ppb	4.0225	1.8	1495.21
Ti 334.941	1040.22	ppb	16.2419	1.6	217635
Tl 190.794	-0.5854	ppb	10.7427	1835.2	-15.5409
V 292.401	383.372	ppb	6.1433	1.6	10841.4
Zn 206.200	1888.10	ppb	31.4341	1.7	5836.25

680-88767-b-14-b ms (Samp)

4/2/2013, 10:07:50 PM

Rack 2, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	47.0328	ppb	0.5777	1.2	1416.81
Al 308.215	91636.9	ppb	420.929	0.5	255263
As 188.980	215.115	ppb	8.2420	3.8	74.6750
B 249.678	179.026	ppb	2.1351	1.2	967.462
Ba 389.178	1038.67	ppb	5.0141	0.5	17491.3
Be 313.042	57.3919	ppb	0.2888	0.5	87030.6
Ca 370.602	218208	ppb	822.6	0.4	774977
Cd 226.502	52.0741	ppb	1.0924	2.1	1777.32
Co 228.615	141.280	ppb	0.4040	0.3	1136.33
Cr 267.716	407.667	ppb	3.1356	0.8	6422.43
Cu 324.754	478.537	ppb	1.4887	0.3	16984.8
Fe 271.441	275724	ppb	1219.23	0.4	205180
K 766.491	13072.0	ppb	55.7641	0.4	1680472
Mg 279.078	27756.0	ppb	112.179	0.4	30976.2
Mn 257.610	11104.1	ppb	67.8609	0.6	1051822
Mo 202.032	102.579	ppb	1.0025	1.0	325.335
Na 330.237	5529.42	ppb	165.396	3.0	229.675
Ni 231.604	191.609	ppb	2.4699	1.3	578.846
Pb 220.353	711.644	ppb	7.5709	1.1	585.371
Sb 206.834	30.0104	ppb	6.5314	21.8	32.1514
Se 196.026	98.3587	ppb	42.1263	42.8	28.4278
Sn 189.925	232.515	ppb	0.5016	0.2	145.958
Sr 216.596	505.968	ppb	1.7837	0.4	3207.18
Ti 334.941	980.198	ppb	4.7381	0.5	205155

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	33.2553	ppb	5.1802	15.6	0.6093
V 292.401	442.455	ppb	2.3433	0.5	12473.9
Zn 206.200	1947.14	ppb	12.1506	0.6	6016.28

680-88767-b-14-c msd (Samp) 4/2/2013, 10:13:17 PM Rack 2, Tube 46
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.9085	ppb	0.0742	0.2	1335.39
Al 308.215	103321	ppb	2221.18	2.1	287789
As 188.980	228.545	ppb	14.1809	6.2	81.8180
B 249.678	184.187	ppb	1.8183	1.0	833.902
Ba 389.178	1032.08	ppb	20.5069	2.0	17459.4
Be 313.042	59.7469	ppb	1.1916	2.0	90591.9
Ca 370.602	64856	ppb	928.0	1.4	181507
Cd 226.502	52.6235	ppb	2.3137	4.4	1952.68
Co 228.615	160.401	ppb	3.4323	2.1	1290.91
Cr 267.716	501.402	ppb	10.0557	2.0	7880.56
Cu 324.754	555.145	ppb	17.7176	3.2	20202.9
Fe 271.441	353580	ppb	7414.09	2.1	263108
K 766.491	12558.5	ppb	209.697	1.7	1614722
Mg 279.078	20734.1	ppb	431.699	2.1	22634.7
Mn 257.610	10976.1	ppb	209.548	1.9	1039771
Mo 202.032	106.130	ppb	1.4157	1.3	327.561
Na 330.237	5261.53	ppb	152.539	2.9	175.358
Ni 231.604	203.487	ppb	2.6069	1.3	617.774
Pb 220.353	756.225	ppb	12.8611	1.7	620.815
Sb 206.834	30.0071	ppb	1.4659	4.9	33.3162
Se 196.026	103.758	ppb	20.9167	20.2	27.8098
Sn 189.925	226.744	ppb	10.8793	4.8	142.982
Sr 216.596	224.078	ppb	5.1110	2.3	1524.97
Ti 334.941	1088.18	ppb	22.1934	2.0	227562
Tl 190.794	37.8092	ppb	1.6562	4.4	1.0169
V 292.401	531.703	ppb	10.4572	2.0	14996.8
Zn 206.200	2094.56	ppb	41.0210	2.0	6471.42

680-88767-b-24-a (Samp) 4/2/2013, 10:18:45 PM Rack 2, Tube 47
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.1206	ppb	1.5376	137.2	-59.0032
Al 308.215	102192	ppb	336.247	0.3	284636
As 188.980	133.258	ppb	6.1492	4.6	46.1736
B 249.678	54.6123	ppb	1.1484	2.1	-293.149
Ba 389.178	1808.88	ppb	3.1800	0.2	30262.8
Be 313.042	11.4335	ppb	0.0279	0.2	17687.9
Ca 370.602	49211	ppb	76.45	0.2	122138
Cd 226.502	4.2774	ppb	0.2130	5.0	877.186
Co 228.615	115.265	ppb	0.3303	0.3	931.936
Cr 267.716	261.754	ppb	0.6777	0.3	4053.73
Cu 324.754	338.465	ppb	3.2027	0.9	12416.9
Fe 271.441	356071	ppb	762.813	0.2	264958
K 766.491	10788.1	ppb	26.5874	0.2	1387813

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	14402.7	ppb	40.8649	0.3	15336.4
Mn 257.610	18962.0	ppb	41.2328	0.2	1795728
Mo 202.032	12.8725	ppb	1.4658	11.4	4.1502
Na 330.237	772.701	ppb	41.2254	5.3	-116.566
Ni 231.604	112.045	ppb	1.3561	1.2	351.819
Pb 220.353	1013.75	ppb	0.3721	0.0	836.404
Sb 206.834	10.4014	ppb	5.1431	49.4	18.8095
Se 196.026	12.3635	ppb	13.2934	107.5	3.5174
Sn 189.925	140.389	ppb	5.7133	4.1	89.1394
Sr 216.596	177.008	ppb	2.6993	1.5	1244.86
Ti 334.941	909.916	ppb	1.5231	0.2	190285
Tl 190.794	2.1867	ppb	4.6803	214.0	-15.8609
V 292.401	379.765	ppb	0.4465	0.1	10738.9
Zn 206.200	2396.44	ppb	5.4999	0.2	7401.58

680-88767-b-29-a (Samp)

4/2/2013, 10:24:13 PM

Rack 2, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3120	ppb	1.4313	458.8	-51.0353
Al 308.215	93578.1	ppb	3802.34	4.1	260657
As 188.980	127.919	ppb	4.0457	3.2	44.2644
B 249.678	42.6884	ppb	1.3623	3.2	-409.075
Ba 389.178	1101.92	ppb	44.2171	4.0	18606.7
Be 313.042	10.0586	ppb	0.4327	4.3	15662.6
Ca 370.602	42089	ppb	985.3	2.3	93992
Cd 226.502	3.2232	ppb	1.6376	50.8	864.502
Co 228.615	106.566	ppb	4.1985	3.9	861.407
Cr 267.716	256.345	ppb	8.9882	3.5	3953.58
Cu 324.754	675.199	ppb	20.7199	3.1	24608.5
Fe 271.441	361550	ppb	14726.9	4.1	269034
K 766.491	9800.23	ppb	364.234	3.7	1261505
Mg 279.078	13894.7	ppb	502.882	3.6	14747.5
Mn 257.610	10766.5	ppb	426.311	4.0	1019915
Mo 202.032	12.7468	ppb	0.3664	2.9	2.7364
Na 330.237	622.282	ppb	316.044	50.8	-128.942
Ni 231.604	102.545	ppb	4.4291	4.3	324.508
Pb 220.353	880.167	ppb	35.4396	4.0	725.734
Sb 206.834	7.8510	ppb	1.9315	24.6	17.3113
Se 196.026	16.1198	ppb	9.9114	61.5	2.8131
Sn 189.925	76.4161	ppb	5.2579	6.9	49.2489
Sr 216.596	130.849	ppb	6.7079	5.1	966.731
Ti 334.941	826.730	ppb	34.0226	4.1	172896
Tl 190.794	1.1963	ppb	9.9150	828.8	-16.3716
V 292.401	459.709	ppb	18.9498	4.1	13006.1
Zn 206.200	2025.31	ppb	82.1731	4.1	6259.12

Cont Calib Verif (CCV)

4/2/2013, 10:29:41 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	488.589	ppb	16.1803	3.3	15143.3	97.71772
Al 308.215	4925.84	ppb	140.233	2.8	14108.5	98.51688

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	479.149	ppb	6.7493	1.4	177.985	95.82973
B 249.678	506.448	ppb	13.5971	2.7	4425.89	20.25792Q
Ba 389.178	4866.24	ppb	105.051	2.2	80300.5	97.32481
Be 313.042	484.564	ppb	11.6167	2.4	733395	96.91290
Ca 370.602	5014	ppb	99.88	2.0	18396	100.28126
Cd 226.502	479.029	ppb	12.0049	2.5	10750.5	95.80589
Co 228.615	488.116	ppb	12.5937	2.6	3876.30	97.62312
Cr 267.716	4891.97	ppb	116.625	2.4	78308.8	97.83936
Cu 324.754	4640.59	ppb	350.111	7.5	167813	92.81174
Fe 271.441	4974.56	ppb	117.978	2.4	3786.83	99.49123
K 766.491	9877.59	ppb	261.739	2.6	1270410	98.77592
Mg 279.078	4860.82	ppb	135.290	2.8	5627.63	97.21631
Mn 257.610	5020.16	ppb	136.783	2.7	475529	100.40312
Mo 202.032	493.167	ppb	12.3445	2.5	1705.18	98.63335
Na 330.237	7262.97	ppb	411.913	5.7	473.412	96.83955
Ni 231.604	2426.67	ppb	61.6877	2.5	7063.21	97.06673
Pb 220.353	491.445	ppb	12.6685	2.6	407.854	98.28900
Sb 206.834	936.372	ppb	29.4106	3.1	642.837	37.45489Q
Se 196.026	4820.61	ppb	115.844	2.4	1359.45	96.41220
Sn 189.925	4943.32	ppb	131.160	2.7	3084.60	98.86638
Sr 216.596	2430.23	ppb	61.5852	2.5	14661.0	97.20937
Ti 334.941	495.611	ppb	12.7661	2.6	103940	99.12221
Tl 190.794	4972.19	ppb	150.747	3.0	2330.87	99.44385
V 292.401	4923.48	ppb	128.752	2.6	138200	98.46970
Zn 206.200	2425.46	ppb	58.5825	2.4	7464.36	97.01820

Cont Calib Blank (CCB)

4/2/2013, 10:35:08 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	-0.5450	ppb	0.1596	29.3	-54.2830	-0.54497
Al 308.215	-39.6955	ppb	1.1557	2.9	33.4546	-39.69553
As 188.980	1.3048	ppb	2.1754	166.7	-2.3431	1.30485
B 249.678	-0.7056	ppb	0.0603	8.5	44.1254	-0.70562
Ba 389.178	-0.0942	ppb	0.8175	867.8	-14.5576	-0.09421
Be 313.042	-0.1790	ppb	0.0047	2.6	-48.6952	-0.17899
Ca 370.602	-47.15	ppb	3.202	6.8	-71.57	-47.15263
Cd 226.502	-0.8115	ppb	0.1178	14.5	12.8986	-0.81146
Co 228.615	-1.1859	ppb	0.3362	28.4	-11.9607	-1.18590
Cr 267.716	-1.2914	ppb	0.3667	28.4	12.4538	-1.29139
Cu 324.754	-1.1274	ppb	0.2384	21.1	127.290	-1.12736
Fe 271.441	-29.9322	ppb	1.5281	5.1	3.2681	-29.93220Z
K 766.491	-35.9980	ppb	0.2504	0.7	2271.76	-35.99802
Mg 279.078	-41.9708	ppb	4.2379	10.1	20.2621	-41.97078
Mn 257.610	-2.3547	ppb	0.0294	1.3	59.5306	-2.35473
Mo 202.032	-0.6007	ppb	0.6851	114.1	2.9550	-0.60071
Na 330.237	-97.0959	ppb	39.9186	41.1	-4.1863	-97.09587
Ni 231.604	-1.3636	ppb	1.2498	91.7	0.2089	-1.36357
Pb 220.353	2.5728	ppb	0.8064	31.3	4.9853	2.57276
Sb 206.834	-0.2486	ppb	3.2495	1307.1	1.9704	-0.24861
Se 196.026	6.9254	ppb	8.8322	127.5	5.1537	6.92536
Sn 189.925	-2.6727	ppb	7.6309	285.5	-0.1885	-2.67268
Sr 216.596	-2.0103	ppb	0.1230	6.1	-8.5342	-2.01025
Ti 334.941	-0.5908	ppb	0.0618	10.5	38.8174	-0.59078

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Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	0.2175	ppb	6.5751	3022.9	-1.5043	0.21751
V 292.401	-0.6384	ppb	0.0390	6.1	8.4499	-0.63844
Zn 206.200	-3.3743	ppb	0.4054	12.0	5.2100	-3.37433

680-88767-b-30-a (Samp)

4/2/2013, 10:40:35 PM

Rack 2, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7363	ppb	1.6984	97.8	-103.590
Al 308.215	105808	ppb	7298.29	6.9	294697
As 188.980	168.675	ppb	19.9629	11.8	59.2712
B 249.678	54.5475	ppb	6.6527	12.2	-726.977
Ba 389.178	2246.84	ppb	154.596	6.9	37710.7
Be 313.042	14.2526	ppb	1.0295	7.2	22105.4
Ca 370.602	50550	ppb	1599	3.2	93030
Cd 226.502	3.7982	ppb	4.0971	107.9	1261.44
Co 228.615	159.931	ppb	10.5671	6.6	1291.44
Cr 267.716	377.384	ppb	25.8731	6.9	5804.31
Cu 324.754	665.364	ppb	57.7517	8.7	24308.1
Fe 271.441	544981	ppb	37869.8	6.9	405515
K 766.491	9274.73	ppb	506.419	5.5	1193900
Mg 279.078	17344.0	ppb	1025.43	5.9	18049.0
Mn 257.610	21274.4	ppb	1353.01	6.4	2014841
Mo 202.032	18.8229	ppb	3.6987	19.6	-0.2065
Na 330.237	612.792	ppb	369.623	60.3	-216.112
Ni 231.604	129.158	ppb	10.1698	7.9	412.980
Pb 220.353	1072.62	ppb	72.3566	6.7	884.010
Sb 206.834	5.6684	ppb	6.3854	112.6	21.2104
Se 196.026	15.3460	ppb	13.3669	87.1	0.8890
Sn 189.925	91.0609	ppb	8.3863	9.2	58.4327
Sr 216.596	143.383	ppb	11.9711	8.3	1128.48
Ti 334.941	1023.85	ppb	71.0341	6.9	214106
Tl 190.794	-8.1364	ppb	15.2636	187.6	-28.1933
V 292.401	669.538	ppb	46.5234	6.9	18921.7
Zn 206.200	2408.81	ppb	160.581	6.7	7443.91

680-88767-b-35-a (Samp)

4/2/2013, 10:46:02 PM

Rack 2, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3716b	ppb	0.3981	107.1	56.9803
Al 308.215	86572.4b	ppb	1238.43	1.4	241157
As 188.980	124.392b	ppb	13.7769	11.1	42.5765
B 249.678	49.6286b	ppb	1.0110	2.0	-61.7793
Ba 389.178	2165.27b	ppb	28.9815	1.3	35998.5
Be 313.042	9.0210b	ppb	0.1197	1.3	13992.9
Ca 370.602	76984b	ppb	870.4	1.1	249098
Cd 226.502	12.4894b	ppb	0.7073	5.7	810.022
Co 228.615	107.482b	ppb	1.7505	1.6	873.302
Cr 267.716	249.463b	ppb	3.0671	1.2	3935.71
Cu 324.754	470.920b	ppb	4.5339	1.0	17074.2
Fe 271.441	236542b	ppb	3171.19	1.3	176025
K 766.491	10027.5b	ppb	105.963	1.1	1290329

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	11575.4b	ppb	155.173	1.3	12487.5
Mn 257.610	30258.3xb	ppb	330.370	1.1	2864929
Mo 202.032	16.0313b	ppb	0.5317	3.3	30.5903
Na 330.237	1173.43b	ppb	159.460	13.6	-34.0875
Ni 231.604	155.553b	ppb	3.4125	2.2	471.063
Pb 220.353	2170.84b	ppb	20.2934	0.9	1805.44
Sb 206.834	11.5007b	ppb	1.8601	16.2	16.3038
Se 196.026	8.5996b	ppb	1.4487	16.8	7.1628
Sn 189.925	77.0703b	ppb	4.5887	6.0	49.6104
Sr 216.596	275.603b	ppb	5.8032	2.1	1786.61
Ti 334.941	1266.17b	ppb	16.8774	1.3	264745
Tl 190.794	20.8436b	ppb	2.8571	13.7	-2.1206
V 292.401	273.101b	ppb	3.8426	1.4	7693.55
Zn 206.200	4251.89b	ppb	54.4557	1.3	13110.9

680-88767-b-52-a (Samp)

4/2/2013, 10:51:29 PM

Rack 2, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.0734	ppb	0.5693	27.5	-94.3287
Al 308.215	114525	ppb	403.731	0.4	318972
As 188.980	188.241	ppb	11.7736	6.3	66.0004
B 249.678	48.6443	ppb	0.5661	1.2	-701.830
Ba 389.178	3168.81	ppb	10.4602	0.3	52908.6
Be 313.042	16.0283	ppb	0.0357	0.2	24815.5
Ca 370.602	98976	ppb	169.3	0.2	282136
Cd 226.502	1.8638	ppb	0.4345	23.3	1149.31
Co 228.615	145.044	ppb	1.2950	0.9	1175.02
Cr 267.716	469.373	ppb	0.8441	0.2	7298.48
Cu 324.754	278.652	ppb	2.0497	0.7	10183.9
Fe 271.441	511687	ppb	1190.31	0.2	380743
K 766.491	8833.93	ppb	17.9511	0.2	1137209
Mg 279.078	32118.6	ppb	82.1389	0.3	35138.1
Mn 257.610	24546.8	ppb	51.5821	0.2	2324624
Mo 202.032	15.6343	ppb	0.6922	4.4	-6.8998
Na 330.237	684.939	ppb	133.654	19.5	-197.818
Ni 231.604	122.076	ppb	0.8126	0.7	390.970
Pb 220.353	883.785	ppb	12.4665	1.4	725.435
Sb 206.834	6.6010	ppb	3.3472	50.7	22.1465
Se 196.026	13.9077	ppb	19.5732	140.7	2.0895
Sn 189.925	43.7011	ppb	1.3951	3.2	28.7358
Sr 216.596	210.301	ppb	0.2949	0.1	1522.09
Ti 334.941	1146.40	ppb	3.3142	0.3	239768
Tl 190.794	1.3967	ppb	5.2372	375.0	-22.7938
V 292.401	706.069	ppb	2.2746	0.3	19933.3
Zn 206.200	1736.15	ppb	4.4271	0.3	5372.33

680-88767-a-55-a (Samp)

4/2/2013, 10:56:56 PM

Rack 2, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3621b	ppb	0.1682	46.5	62.8410
Al 308.215	102961b	ppb	1124.87	1.1	286780

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	161.604b	ppb	14.3937	8.9	55.9625
B 249.678	75.5106b	ppb	2.0727	2.7	51.1274
Ba 389.178	2460.49b	ppb	27.9623	1.1	40937.0
Be 313.042	11.0641b	ppb	0.1369	1.2	17092.5
Ca 370.602	115338b	ppb	1172	1.0	385362
Cd 226.502	14.0091b	ppb	0.3872	2.8	946.262
Co 228.615	120.685b	ppb	1.2602	1.0	982.644
Cr 267.716	265.924b	ppb	3.5815	1.3	4177.88
Cu 324.754	536.144b	ppb	1.8594	0.3	19347.7
Fe 271.441	284928b	ppb	3610.02	1.3	212025
K 766.491	12600.8b	ppb	127.359	1.0	1619757
Mg 279.078	18541.9b	ppb	185.669	1.0	20316.5
Mn 257.610	33944.9xb	ppb	435.562	1.3	3213994
Mo 202.032	19.0443b	ppb	1.7301	9.1	34.9403
Na 330.237	1576.83b	ppb	26.4871	1.7	-31.4821
Ni 231.604	169.193b	ppb	1.9254	1.1	513.883
Pb 220.353	2459.89b	ppb	27.0415	1.1	2044.85
Sb 206.834	14.0461b	ppb	8.5596	60.9	18.8890
Se 196.026	10.7305b	ppb	8.9352	83.3	7.6868
Sn 189.925	281.308b	ppb	6.0709	2.2	176.917
Sr 216.596	367.639b	ppb	4.3427	1.2	2369.53
Ti 334.941	1531.30b	ppb	19.9419	1.3	320185
Tl 190.794	13.0180b	ppb	6.6352	51.0	-8.1363
V 292.401	291.735b	ppb	3.2943	1.1	8221.00
Zn 206.200	4776.07b	ppb	61.0360	1.3	14726.0

680-88789-a-2-a (Samp)

4/2/2013, 11:02:23 PM

Rack 2, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	44.6548b	ppb	0.3224	0.7	1530.35
Al 308.215	317983b	ppb	732.033	0.2	885442
As 188.980	28.1217b	ppb	6.8001	24.2	-14.1704
B 249.678	2570.55b	ppb	6.6706	0.3	21964.3
Ba 389.178	21321.1xb	ppb	52.5914	0.2	352281
Be 313.042	6.3007b	ppb	0.0352	0.6	10283.7
Ca 370.602	1568720xb	ppb	4324	0.3	5904390
Cd 226.502	151.715b	ppb	0.7441	0.5	3740.82
Co 228.615	89.2366b	ppb	0.7311	0.8	900.473
Cr 267.716	2142.29b	ppb	6.2864	0.3	34332.3
Cu 324.754	1289.99b	ppb	5.0646	0.4	42518.0
Fe 271.441	142206b	ppb	480.721	0.3	105835
K 766.491	340417oxb	ppb	356.082	0.1	43592000
Mg 279.078	226427b	ppb	633.859	0.3	259656
Mn 257.610	60446.5xb	ppb	127.570	0.2	5723198
Mo 202.032	181.021b	ppb	1.8849	1.0	617.795
Na 330.237	223417xb	ppb	538.962	0.2	14411.6
Ni 231.604	414.349b	ppb	2.8483	0.7	1226.14
Pb 220.353	304.603b	ppb	6.2377	2.0	220.141
Sb 206.834	5.6025b	ppb	8.0843	144.3	22.4272
Se 196.026	-3.7750b	ppb	26.5401	703.1	18.3299
Sn 189.925	15.8240b	ppb	5.6762	35.9	8.7448
Sr 216.596	8325.50xb	ppb	30.7934	0.4	50679.3
Ti 334.941	13170.8b	ppb	36.3244	0.3	2753758

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	17.7865b	ppb	22.2983	125.4	-8.5518
V 292.401	342.759b	ppb	0.9139	0.3	9532.05
Zn 206.200	7525.75b	ppb	15.4448	0.2	23187.8

680-88789-a-3-a (Samp) 4/2/2013, 11:07:50 PM Rack 2, Tube 56

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	41.0686b	ppb	0.2236	0.5	1401.73
Al 308.215	316463b	ppb	2450.29	0.8	881209
As 188.980	28.6108b	ppb	23.7586	83.0	-12.9372
B 249.678	2204.98b	ppb	11.7863	0.5	18796.3
Ba 389.178	20202.4xb	ppb	123.009	0.6	333800
Be 313.042	6.5242b	ppb	0.0490	0.8	10600.6
Ca 370.602	1489163xb	ppb	8200	0.6	5603358
Cd 226.502	144.722b	ppb	0.9608	0.7	3589.08
Co 228.615	82.0802b	ppb	1.9610	2.4	852.466
Cr 267.716	1839.98b	ppb	12.2018	0.7	29487.9
Cu 324.754	1218.66b	ppb	3.9168	0.3	40151.9
Fe 271.441	144498b	ppb	815.624	0.6	107540
K 766.491	338301oxb	ppb	1785.94	0.5	43321356
Mg 279.078	210940b	ppb	1442.60	0.7	241859
Mn 257.610	56777.3xb	ppb	117.268	0.2	5375834
Mo 202.032	165.104b	ppb	0.7990	0.5	562.298
Na 330.237	228767xb	ppb	1522.17	0.7	14753.7
Ni 231.604	425.658b	ppb	3.7980	0.9	1258.58
Pb 220.353	298.388b	ppb	8.8002	2.9	215.362
Sb 206.834	-2.5329b	ppb	4.8073	189.8	12.6055
Se 196.026	12.4929b	ppb	7.6737	61.4	21.7941
Sn 189.925	17.1107b	ppb	7.4495	43.5	10.0205
Sr 216.596	7814.63xb	ppb	50.9652	0.7	47574.7
Ti 334.941	13846.4b	ppb	89.0749	0.6	2894824
Tl 190.794	11.4451b	ppb	1.4745	12.9	-10.3962
V 292.401	339.827b	ppb	1.6213	0.5	9484.72
Zn 206.200	7131.44b	ppb	43.0383	0.6	21974.6

680-88789-a-4-a (Samp) 4/2/2013, 11:13:18 PM Rack 2, Tube 57

Weight: 1		Volume: 1		Dilution: 1	
Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	29.6622b	ppb	0.6509	2.2	1301.23
Al 308.215	301895b	ppb	415.129	0.1	840659
As 188.980	81.9053b	ppb	10.3872	12.7	5.5104
B 249.678	5429.57b	ppb	6.4412	0.1	46842.2
Ba 389.178	8938.13b	ppb	13.2359	0.1	148396
Be 313.042	3.9052b	ppb	0.0035	0.1	6565.64
Ca 370.602	1624019xb	ppb	6496	0.4	6125098
Cd 226.502	163.338b	ppb	0.1492	0.1	3870.14
Co 228.615	140.071b	ppb	0.6561	0.5	1174.74
Cr 267.716	2717.99b	ppb	4.1819	0.2	43632.7
Cu 324.754	2820.42b	ppb	23.8842	0.8	97730.4
Fe 271.441	79578.4b	ppb	122.013	0.2	59238.1
K 766.491	325619oxb	ppb	1245.59	0.4	41700428

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	468705b	ppb	498.671	0.1	538203
Mn 257.610	106854xb	ppb	294.592	0.3	10116704
Mo 202.032	392.396b	ppb	1.4818	0.4	1358.84
Na 330.237	382699xb	ppb	1122.10	0.3	24898.2
Ni 231.604	339.315b	ppb	0.6956	0.2	1013.37
Pb 220.353	525.454b	ppb	4.4766	0.9	405.852
Sb 206.834	-15.6184b	ppb	3.8144	24.4	26.2104
Se 196.026	44.8944b	ppb	20.6729	46.0	43.9097
Sn 189.925	30.6567b	ppb	5.0842	16.6	15.6756
Sr 216.596	10464.3xb	ppb	12.4826	0.1	63637.0
Ti 334.941	4593.43b	ppb	7.3291	0.2	961712
Tl 190.794	61.1667b	ppb	3.0135	4.9	8.0877
V 292.401	222.758b	ppb	0.2807	0.1	5889.55
Zn 206.200	18245.1b	ppb	12.7150	0.1	56193.7

680-88805-a-1-a (Samp)

4/2/2013, 11:18:45 PM

Rack 2, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	12.3262b	ppb	0.9421	7.6	-323.291
Al 308.215	23601.7b	ppb	1263.20	5.4	65984.1
As 188.980	235833xb	ppb	19052.8	8.1	88625.8
B 249.678	113.412b	ppb	4.8345	4.3	759.764
Ba 389.178	12433.3xb	ppb	685.367	5.5	206331
Be 313.042	2.8212b	ppb	0.1883	6.7	4697.13
Ca 370.602	1333383xb	ppb	64477	4.8	5016562
Cd 226.502	4.6348b	ppb	0.9983	21.5	387.786
Co 228.615	76.1455b	ppb	4.0007	5.3	690.458
Cr 267.716	122215xb	ppb	7149.47	5.8	1956315
Cu 324.754	165284xb	ppb	10533.5	6.4	5970534
Fe 271.441	119032b	ppb	6665.96	5.6	88386.9
K 766.491	12841.2b	ppb	614.848	4.8	1647846
Mg 279.078	458503b	ppb	24061.1	5.2	526516
Mn 257.610	5418.18b	ppb	301.699	5.6	514460
Mo 202.032	70.9012b	ppb	4.3555	6.1	236.084
Na 330.237	1258.53b	ppb	195.217	15.5	26.4464
Ni 231.604	101.622b	ppb	7.7412	7.6	324.091
Pb 220.353	138.503b	ppb	1.7917	1.3	10.9096
Sb 206.834	-185.420b	ppb	98.0140	52.9	1036.44
Se 196.026	22.2096b	ppb	13.3036	59.9	15.1416
Sn 189.925	37.7336b	ppb	9.8714	26.2	20.0853
Sr 216.596	1213.03b	ppb	62.4634	5.1	7338.00
Ti 334.941	461.246b	ppb	25.6645	5.6	104520
Tl 190.794	29.8780b	ppb	1.1684	3.9	-5.3068
V 292.401	93.3888b	ppb	9.2021	9.9	-4641.88
Zn 206.200	999.538b	ppb	48.0246	4.8	2644.15

mb 680-271166/23-a (Samp)

4/2/2013, 11:24:13 PM

Rack 2, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.2238	ppb	0.2312	103.3	-30.4457
Al 308.215	3.2701	ppb	0.6170	18.9	153.074

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	47.7412	ppb	3.7872	7.9	15.1047
B 249.678	4.5321	ppb	0.5279	11.6	89.2844
Ba 389.178	2.5469	ppb	0.7903	31.0	29.2879
Be 313.042	-0.1986	ppb	0.0093	4.7	-78.3658
Ca 370.602	326.9	ppb	0.2514	0.1	1330
Cd 226.502	-0.6471	ppb	0.0382	5.9	16.7207
Co 228.615	-1.2093	ppb	0.1992	16.5	-12.1098
Cr 267.716	15.8088	ppb	0.1422	0.9	286.165
Cu 324.754	18.3443	ppb	0.4501	2.5	830.079
Fe 271.441	39.8534	ppb	1.9991	5.0	55.1676
K 766.491	51.3481	ppb	0.6907	1.3	13455.8
Mg 279.078	46.8603	ppb	3.9543	8.4	122.069
Mn 257.610	12.1348	ppb	0.1200	1.0	1431.47
Mo 202.032	-0.3607	ppb	0.5312	147.3	3.7792
Na 330.237	151.590	ppb	128.834	85.0	11.9733
Ni 231.604	0.1677	ppb	0.7188	428.8	4.6682
Pb 220.353	-0.3068	ppb	1.4642	477.2	2.5600
Sb 206.834	3.0160	ppb	3.5996	119.3	4.2088
Se 196.026	2.3652	ppb	1.3860	58.6	3.8748
Sn 189.925	21.6704	ppb	3.2461	15.0	14.9929
Sr 216.596	-0.4059	ppb	0.5778	142.3	1.1840
Ti 334.941	1.4928	ppb	0.1054	7.1	397.847
Tl 190.794	0.7665	ppb	1.4885	194.2	-1.2528
V 292.401	-0.8706	ppb	0.0754	8.7	0.9151
Zn 206.200	-1.5071	ppb	0.4004	26.6	10.8978

680-88761-a-1-a (Samp)

4/2/2013, 11:29:41 PM

Rack 2, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.9156	ppb	0.2542	8.7	53.0963
Al 308.215	87.1639	ppb	1.4326	1.6	386.955
As 188.980	9.5346	ppb	5.7601	60.4	0.7385
B 249.678	7.5119	ppb	0.2009	2.7	112.573
Ba 389.178	42.5699	ppb	0.3091	0.7	690.794
Be 313.042	-0.1998	ppb	0.0053	2.6	-81.5675
Ca 370.602	896.8	ppb	2.376	0.3	3293
Cd 226.502	0.4360	ppb	0.1402	32.2	43.1367
Co 228.615	3.4090	ppb	0.1797	5.3	24.3657
Cr 267.716	5.6108	ppb	0.1628	2.9	122.391
Cu 324.754	75.6406	ppb	0.1906	0.3	2900.00
Fe 271.441	1092.26	ppb	9.4099	0.9	838.429
K 766.491	143.545	ppb	0.6773	0.5	25250.9
Mg 279.078	64.8010	ppb	3.8689	6.0	138.966
Mn 257.610	28.0119	ppb	0.0417	0.1	2935.71
Mo 202.032	18.8741	ppb	0.5416	2.9	70.3354
Na 330.237	125.085	ppb	118.488	94.7	10.1540
Ni 231.604	4.6354	ppb	0.9363	20.2	17.7214
Pb 220.353	11.6053	ppb	1.7424	15.0	12.4772
Sb 206.834	0.9308	ppb	3.1903	342.7	2.7246
Se 196.026	-7.5194	ppb	15.3548	204.2	1.0790
Sn 189.925	29.3405	ppb	1.3914	4.7	19.7760
Sr 216.596	1.9950	ppb	0.4049	20.3	15.7268
Ti 334.941	7.7522	ppb	0.0829	1.1	1705.64

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	6.1116	ppb	5.2556	86.0	1.1901
V 292.401	-0.4710	ppb	0.2157	45.8	8.4856
Zn 206.200	271.249	ppb	0.4615	0.2	850.691

Cont Calib Verif (CCV) 4/2/2013, 11:35:09 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	487.615	ppb	2.1179	0.4	15113.0	97.52290
Al 308.215	4891.36	ppb	9.5883	0.2	14011.5	97.82719
As 188.980	483.537	ppb	5.5548	1.1	179.633	96.70744
B 249.678	503.915	ppb	1.4639	0.3	4404.05	20.15659Q
Ba 389.178	4841.41	ppb	7.1369	0.1	79890.7	96.82823
Be 313.042	482.965	ppb	0.9623	0.2	730973	96.59303
Ca 370.602	4996	ppb	8.610	0.2	18335	99.91416
Cd 226.502	477.025	ppb	0.8940	0.2	10705.5	95.40492
Co 228.615	486.671	ppb	1.9781	0.4	3864.84	97.33422
Cr 267.716	4886.86	ppb	13.4602	0.3	78227.1	97.73714
Cu 324.754	4723.51	ppb	41.2897	0.9	170810	94.47018
Fe 271.441	4928.50	ppb	22.9750	0.5	3752.29	98.57004
K 766.491	9862.70	ppb	17.2050	0.2	1268511	98.62704
Mg 279.078	4807.09	ppb	24.4758	0.5	5566.08	96.14184
Mn 257.610	5018.22	ppb	9.1757	0.2	475346	100.36439
Mo 202.032	490.078	ppb	2.7757	0.6	1694.51	98.01563
Na 330.237	7337.46	ppb	143.224	2.0	478.272	97.83280
Ni 231.604	2412.65	ppb	4.3301	0.2	7022.44	96.50601
Pb 220.353	486.611	ppb	1.1773	0.2	403.834	97.32212
Sb 206.834	933.712	ppb	4.5348	0.5	641.055	37.34846Q
Se 196.026	4818.07	ppb	10.5885	0.2	1358.74	96.36134
Sn 189.925	4916.61	ppb	12.2566	0.2	3067.95	98.33224
Sr 216.596	2418.85	ppb	5.1007	0.2	14592.4	96.75418
Ti 334.941	494.623	ppb	0.7139	0.1	103732	98.92458
Tl 190.794	4946.76	ppb	27.0736	0.5	2318.95	98.93521
V 292.401	4901.85	ppb	11.1351	0.2	137593	98.03697
Zn 206.200	2410.57	ppb	5.9662	0.2	7418.57	96.42261

Cont Calib Blank (CCB) 4/2/2013, 11:40:37 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	0.0671	ppb	0.4408	656.8	-35.2615	0.06710
Al 308.215	-42.5954	ppb	2.4054	5.6	25.4104	-42.59540
As 188.980	2.5073	ppb	4.9912	199.1	-1.8910	2.50732
B 249.678	0.8052	ppb	0.5590	69.4	57.2304	0.80518
Ba 389.178	-0.8519	ppb	0.8212	96.4	-27.0607	-0.85187
Be 313.042	-0.1878	ppb	0.0077	4.1	-61.7845	-0.18775
Ca 370.602	-46.16	ppb	1.471	3.2	-65.28	-46.16172
Cd 226.502	-0.6796	ppb	0.1109	16.3	15.8172	-0.67958
Co 228.615	-1.0150	ppb	0.4854	47.8	-10.6144	-1.01501
Cr 267.716	-1.1959	ppb	0.4092	34.2	13.9875	-1.19594
Cu 324.754	-0.8243	ppb	0.2599	31.5	138.234	-0.82425
Fe 271.441	-43.9215	ppb	5.8414	13.3	-7.1211	-43.92148Z
K 766.491	-34.1848	ppb	0.2521	0.7	2504.10	-34.18476

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-35.3624	ppb	2.5269	7.1	27.9053	-35.36236
Mn 257.610	-2.3903	ppb	0.0205	0.9	56.1599	-2.39027
Mo 202.032	-1.0184	ppb	0.3797	37.3	1.5080	-1.01839
Na 330.237	-55.7008	ppb	54.2001	97.3	-1.4818	-55.70078
Ni 231.604	-1.7639	ppb	1.6310	92.5	-0.9575	-1.76391
Pb 220.353	-3.0534	ppb	1.9799	64.8	0.2844	-3.05342
Sb 206.834	-0.6969	ppb	1.7165	246.3	1.6801	-0.69689
Se 196.026	-6.0187	ppb	6.7115	111.5	1.5147	-6.01869
Sn 189.925	-5.0000	ppb	2.1243	42.5	-1.6400	-5.00004
Sr 216.596	-1.1931	ppb	0.8710	73.0	-3.5765	-1.19314
Ti 334.941	-0.6226	ppb	0.0358	5.8	-45.4476	-0.62255
Tl 190.794	-1.0303	ppb	6.5223	633.1	-2.0874	-1.03027
V 292.401	-0.3310	ppb	0.1647	49.7	16.9484	-0.33098
Zn 206.200	-3.1024	ppb	0.4745	15.3	6.0463	-3.10245

mb 680-271455/1-a (Samp) 4/2/2013, 11:46:05 PM Rack 3, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.6907	ppb	0.5588	80.9	-15.8949
Al 308.215	-34.6892	ppb	5.9987	17.3	47.3707
As 188.980	5.2333	ppb	1.6704	31.9	-0.8672
B 249.678	0.6413	ppb	0.0897	14.0	55.7850
Ba 389.178	-1.5773	ppb	1.3058	82.8	-39.0152
Be 313.042	-0.2188	ppb	0.0105	4.8	-108.782
Ca 370.602	-36.79	ppb	3.702	10.1	-33.22
Cd 226.502	-0.8715	ppb	0.0855	9.8	11.5661
Co 228.615	-0.9006	ppb	0.1421	15.8	-9.6853
Cr 267.716	-1.1740	ppb	0.3078	26.2	14.3315
Cu 324.754	-1.1112	ppb	0.4575	41.2	127.847
Fe 271.441	-26.4037	ppb	5.4921	20.8	5.9149
K 766.491	-24.5976	ppb	1.6886	6.9	3731.90
Mg 279.078	-38.7625	ppb	5.7214	14.8	23.9330
Mn 257.610	-2.5018	ppb	0.0694	2.8	45.6170
Mo 202.032	-0.8447	ppb	0.1624	19.2	2.1088
Na 330.237	44.2349	ppb	105.284	238.0	5.0196
Ni 231.604	-0.8054	ppb	0.4006	49.7	1.8276
Pb 220.353	0.5883	ppb	2.1907	372.4	3.3273
Sb 206.834	4.3155	ppb	1.6921	39.2	4.9201
Se 196.026	-7.0089	ppb	9.7185	138.7	1.2360
Sn 189.925	7.6013	ppb	5.4196	71.3	6.2192
Sr 216.596	-1.9248	ppb	0.1670	8.7	-8.0231
Ti 334.941	-0.4019	ppb	0.0283	7.0	0.6698
Tl 190.794	-6.0693	ppb	4.2939	70.7	-4.4452
V 292.401	-0.7933	ppb	0.2017	25.4	4.2300
Zn 206.200	-3.3001	ppb	0.4939	15.0	5.4373

lcs 680-271455/2-a (Samp) 4/2/2013, 11:51:33 PM Rack 3, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.1617	ppb	0.4559	4.5	279.251
Al 308.215	4953.74	ppb	1.7752	0.0	13942.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	98.3989	ppb	15.8558	16.1	34.0893
B 249.678	181.580	ppb	0.3757	0.2	1610.03
Ba 389.178	102.363	ppb	0.8907	0.9	1691.18
Be 313.042	51.7755	ppb	0.0332	0.1	78306.4
Ca 370.602	4956	ppb	3.567	0.1	17961
Cd 226.502	50.6020	ppb	0.2290	0.5	1172.90
Co 228.615	50.7227	ppb	0.6036	1.2	400.093
Cr 267.716	102.504	ppb	0.2813	0.3	1671.32
Cu 324.754	100.914	ppb	0.3411	0.3	3803.56
Fe 271.441	4917.63	ppb	18.6559	0.4	3687.56
K 766.491	4919.83	ppb	3.3729	0.1	636844
Mg 279.078	4776.44	ppb	8.8580	0.2	5538.88
Mn 257.610	534.497	ppb	0.5440	0.1	50898.1
Mo 202.032	99.3772	ppb	0.4115	0.4	348.844
Na 330.237	4527.02	ppb	141.039	3.1	294.259
Ni 231.604	100.884	ppb	0.6473	0.6	297.970
Pb 220.353	47.6468	ppb	2.4298	5.1	41.8366
Sb 206.834	51.5155	ppb	2.5276	4.9	36.2069
Se 196.026	86.8736	ppb	2.9160	3.4	27.6949
Sn 189.925	200.696	ppb	2.4210	1.2	126.655
Sr 216.596	97.5125	ppb	0.4724	0.5	592.811
Ti 334.941	98.6537	ppb	0.2028	0.2	20709.0
Tl 190.794	39.8436	ppb	9.5461	24.0	16.8865
V 292.401	98.6055	ppb	0.2512	0.3	2773.49
Zn 206.200	97.3017	ppb	1.5257	1.6	315.046

lcs 680-271455/3-a (Samp)

4/2/2013, 11:57:00 PM

Rack 3, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	192.526	ppb	1.3059	0.7	5948.76
Al 308.215	2056.33	ppb	11.3660	0.6	5880.55
As 188.980	193.759	ppb	14.2440	7.4	69.7224
B 249.678	356.315	ppb	0.3420	0.1	3089.88
Ba 389.178	188.297	ppb	0.5946	0.3	3152.51
Be 313.042	197.793	ppb	0.4328	0.2	298431
Ca 370.602	19502	ppb	34.66	0.2	70288
Cd 226.502	193.316	ppb	0.6408	0.3	4394.04
Co 228.615	196.199	ppb	0.4841	0.2	1555.23
Cr 267.716	199.434	ppb	0.6119	0.3	3216.03
Cu 324.754	197.864	ppb	0.1586	0.1	7275.43
Fe 271.441	19736.9	ppb	40.2220	0.2	14720.8
K 766.491	18688.8	ppb	42.5048	0.2	2399957
Mg 279.078	18655.5	ppb	46.0180	0.2	21432.9
Mn 257.610	2043.21	ppb	4.7433	0.2	193769
Mo 202.032	191.747	ppb	1.2133	0.6	666.979
Na 330.237	17095.7	ppb	85.2174	0.5	1105.76
Ni 231.604	196.478	ppb	0.9925	0.5	577.222
Pb 220.353	187.714	ppb	6.1477	3.3	158.840
Sb 206.834	175.802	ppb	1.7091	1.0	118.860
Se 196.026	183.992	ppb	5.6628	3.1	55.1050
Sn 189.925	198.762	ppb	3.7390	1.9	125.423
Sr 216.596	200.592	ppb	0.4609	0.2	1220.98
Ti 334.941	192.005	ppb	0.4857	0.3	40235.2

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	37.1519	ppb	6.4986	17.5	15.2038
V 292.401	193.691	ppb	0.5020	0.3	5422.95
Zn 206.200	179.560	ppb	1.4810	0.8	568.755

680-88825-e-1-a (Samp) 4/3/2013, 12:02:28 AM Rack 3, Tube 6
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.3231	ppb	0.2740	84.8	-29.6754
Al 308.215	2729.17	ppb	4.5249	0.2	7746.16
As 188.980	6.6756	ppb	0.5134	7.7	-0.3940
B 249.678	356.805	ppb	0.1632	0.0	3105.56
Ba 389.178	70.1743	ppb	0.4569	0.7	1167.00
Be 313.042	-0.0959	ppb	0.0061	6.3	67.5476
Ca 370.602	6355	ppb	9.171	0.1	21785
Cd 226.502	0.4138	ppb	0.1933	46.7	67.6611
Co 228.615	2.4789	ppb	0.4858	19.6	16.9392
Cr 267.716	29.7470	ppb	0.2400	0.8	502.635
Cu 324.754	56.4872	ppb	0.4640	0.8	2198.49
Fe 271.441	12972.4	ppb	20.7167	0.2	9677.81
K 766.491	1476.18	ppb	1.3082	0.1	195888
Mg 279.078	3379.62	ppb	12.6297	0.4	3906.26
Mn 257.610	93.2922	ppb	0.2648	0.3	9138.95
Mo 202.032	209.437	ppb	1.2289	0.6	729.532
Na 330.237	839.859	ppb	70.6294	8.4	52.3982
Ni 231.604	36.1175	ppb	0.6505	1.8	110.071
Pb 220.353	69.2999	ppb	4.4111	6.4	60.0272
Sb 206.834	1.9550	ppb	2.4910	127.4	3.2229
Se 196.026	-2.1952	ppb	1.2375	56.4	2.3871
Sn 189.925	32.5561	ppb	2.8946	8.9	21.8141
Sr 216.596	7.7706	ppb	0.3160	4.1	52.1502
Ti 334.941	212.602	ppb	0.5497	0.3	44514.4
Tl 190.794	-3.8576	ppb	2.3480	60.9	-4.1004
V 292.401	15.3343	ppb	0.1536	1.0	411.544
Zn 206.200	1920.61	ppb	2.4991	0.1	5928.86

680-88866-a-1-a (Samp) 4/3/2013, 12:07:56 AM Rack 3, Tube 7
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-2.4381b	ppb	1.2348	50.6	-149.796
Al 308.215	267619b	ppb	11625.0	4.3	745218
As 188.980	36.5602b	ppb	3.2091	8.8	10.1224
B 249.678	66.2977b	ppb	2.6356	4.0	-275.802
Ba 389.178	1386.53b	ppb	62.9307	4.5	23426.9
Be 313.042	14.4320b	ppb	0.6653	4.6	22491.9
Ca 370.602	28697b	ppb	402.3	1.4	38090
Cd 226.502	-1.8192b	ppb	1.5026	82.6	832.622
Co 228.615	378.762b	ppb	12.6584	3.3	3105.41
Cr 267.716	436.072b	ppb	19.1328	4.4	6818.67
Cu 324.754	439.259b	ppb	32.7915	7.5	16090.1
Fe 271.441	394788b	ppb	18038.6	4.6	293780
K 766.491	37941.5xb	ppb	1456.63	3.8	4864952

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	60105.9b	ppb	2548.06	4.2	67727.6
Mn 257.610	13799.9b	ppb	618.132	4.5	1307282
Mo 202.032	58.4112b	ppb	2.8519	4.9	158.283
Na 330.237	5156.97b	ppb	36.5318	0.7	106.474
Ni 231.604	191.518b	ppb	10.6389	5.6	586.830
Pb 220.353	223.014b	ppb	14.7808	6.6	157.614
Sb 206.834	14.6935b	ppb	9.3820	63.9	14.2436
Se 196.026	17.7049b	ppb	15.4042	87.0	3.9988
Sn 189.925	50.1789b	ppb	3.9821	7.9	34.4297
Sr 216.596	435.674b	ppb	19.6249	4.5	2831.88
Ti 334.941	6789.27b	ppb	309.055	4.6	1418706
Tl 190.794	-0.8370b	ppb	5.2664	629.2	-15.6756
V 292.401	860.088b	ppb	38.2204	4.4	24309.2
Zn 206.200	779.342b	ppb	32.7176	4.2	2424.88

680-88866-a-1-aSD^5 (Samp) 4/3/2013, 12:13:24 AM Rack 3, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.5995	ppb	0.2568	42.8	-63.5956
Al 308.215	56772.3	ppb	199.999	0.4	158203
As 188.980	8.1121	ppb	7.1439	88.1	0.0394
B 249.678	13.8711	ppb	1.3914	10.0	-27.2576
Ba 389.178	298.210	ppb	1.2273	0.4	5030.60
Be 313.042	2.9201	ppb	0.0087	0.3	4734.63
Ca 370.602	6502	ppb	5.730	0.1	9213
Cd 226.502	-1.1804	ppb	0.1715	14.5	189.439
Co 228.615	81.8991	ppb	0.9454	1.2	669.891
Cr 267.716	93.8643	ppb	0.2375	0.3	1493.02
Cu 324.754	93.2963	ppb	0.3753	0.4	3549.46
Fe 271.441	86651.9	ppb	414.820	0.5	64501.8
K 766.491	7823.45	ppb	20.2819	0.3	1008601
Mg 279.078	12933.4	ppb	44.7975	0.3	14620.9
Mn 257.610	3133.16	ppb	13.5898	0.4	297021
Mo 202.032	11.8235	ppb	0.6209	5.3	35.1960
Na 330.237	1048.70	ppb	69.8846	6.7	19.5723
Ni 231.604	40.9156	ppb	1.2521	3.1	128.795
Pb 220.353	47.1887	ppb	1.8134	3.8	35.5260
Sb 206.834	9.0134	ppb	5.8768	65.2	8.5490
Se 196.026	-4.0111	ppb	11.6428	290.3	1.1740
Sn 189.925	4.2267	ppb	1.3660	32.3	4.4784
Sr 216.596	92.4228	ppb	1.0241	1.1	604.982
Ti 334.941	1495.61	ppb	6.2079	0.4	312592
Tl 190.794	-1.4126	ppb	4.6424	328.6	-5.2529
V 292.401	185.772	ppb	0.6464	0.3	5271.58
Zn 206.200	167.582	ppb	1.0436	0.6	533.709

680-88866-a-1-aPDS (Samp) 4/3/2013, 12:18:52 AM Rack 3, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	46.1278b	ppb	0.3432	0.7	1358.41
Al 308.215	270881b	ppb	575.274	0.2	754334

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	2018.98b	ppb	24.1007	1.2	755.044
B 249.678	1009.03b	ppb	2.6763	0.3	7884.17
Ba 389.178	3410.82b	ppb	2.0208	0.1	56833.5
Be 313.042	64.8002b	ppb	0.0586	0.1	98643.5
Ca 370.602	33618b	ppb	40.25	0.1	56648
Cd 226.502	47.0810b	ppb	0.2485	0.5	1927.86
Co 228.615	880.101b	ppb	10.4693	1.2	7092.65
Cr 267.716	638.206b	ppb	1.3613	0.2	10052.0
Cu 324.754	712.708b	ppb	2.6793	0.4	25953.0
Fe 271.441	395574b	ppb	476.902	0.1	294393
K 766.491	41235.8xb	ppb	252.374	0.6	5286244
Mg 279.078	65210.3b	ppb	265.070	0.4	73589.1
Mn 257.610	14276.9b	ppb	21.6791	0.2	1352465
Mo 202.032	557.276b	ppb	0.5916	0.1	1887.00
Na 330.237	10152.2b	ppb	280.078	2.8	425.537
Ni 231.604	682.680b	ppb	3.6960	0.5	2015.90
Pb 220.353	702.684b	ppb	9.4578	1.3	557.043
Sb 206.834	477.604b	ppb	12.4840	2.6	312.586
Se 196.026	1951.88b	ppb	26.1770	1.3	547.926
Sn 189.925	1005.92b	ppb	5.3005	0.5	630.724
Sr 216.596	932.883b	ppb	2.3866	0.3	5824.54
Ti 334.941	7740.85b	ppb	7.3861	0.1	1617544
Tl 190.794	1908.54b	ppb	8.6905	0.5	879.191
V 292.401	1345.54b	ppb	1.2124	0.1	37852.6
Zn 206.200	1268.77b	ppb	2.4219	0.2	3931.08

680-88866-a-1-b ms (Samp)

4/3/2013, 12:24:20 AM

Rack 3, Tube 10

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.5286	ppb	0.6957	10.7	147.646
Al 308.215	238876	ppb	1615.89	0.7	665200
As 188.980	106.797	ppb	15.5822	14.6	36.6966
B 249.678	185.155	ppb	2.0343	1.1	832.521
Ba 389.178	1329.78	ppb	8.4194	0.6	22431.9
Be 313.042	59.4513	ppb	0.2969	0.5	90321.4
Ca 370.602	19814	ppb	14.11	0.1	10905
Cd 226.502	42.4384	ppb	0.1788	0.4	1746.27
Co 228.615	374.896	ppb	2.3754	0.6	3060.60
Cr 267.716	458.446	ppb	2.4693	0.5	7197.73
Cu 324.754	448.126	ppb	1.6749	0.4	16425.2
Fe 271.441	359355	ppb	1684.35	0.5	267418
K 766.491	33301.4	ppb	177.059	0.5	4270796
Mg 279.078	49848.8	ppb	321.526	0.6	56061.3
Mn 257.610	15940.0	ppb	79.7642	0.5	1509794
Mo 202.032	176.929	ppb	2.8758	1.6	573.444
Na 330.237	7541.47	ppb	192.374	2.6	284.132
Ni 231.604	254.825	ppb	0.9323	0.4	768.394
Pb 220.353	226.163	ppb	3.3026	1.5	163.338
Sb 206.834	25.8980	ppb	4.5398	17.5	21.8409
Se 196.026	87.1806	ppb	15.1006	17.3	24.4956
Sn 189.925	190.163	ppb	4.0170	2.1	121.555
Sr 216.596	385.291	ppb	1.8833	0.5	2504.00
Ti 334.941	5957.44	ppb	26.0661	0.4	1244894

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	31.4987	ppb	11.2929	35.9	0.6336
V 292.401	848.355	ppb	4.5604	0.5	23930.6
Zn 206.200	686.730	ppb	5.9357	0.9	2138.47

680-88866-a-1-c msd (Samp) 4/3/2013, 12:29:48 AM Rack 3, Tube 11

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.8722b	ppb	1.5248	22.2	157.373
Al 308.215	275322b	ppb	364.949	0.1	766671
As 188.980	111.057b	ppb	6.7008	6.0	38.2401
B 249.678	202.365b	ppb	0.7067	0.3	878.689
Ba 389.178	1504.90b	ppb	2.6984	0.2	25384.2
Be 313.042	64.2713b	ppb	0.0958	0.1	97659.3
Ca 370.602	21039b	ppb	46.66	0.2	7405
Cd 226.502	46.1920b	ppb	0.3496	0.8	1927.94
Co 228.615	484.814b	ppb	1.2323	0.3	3944.74
Cr 267.716	522.787b	ppb	2.2752	0.4	8205.85
Cu 324.754	502.881b	ppb	2.2599	0.4	18414.8
Fe 271.441	405046b	ppb	712.072	0.2	301419
K 766.491	37679.7xb	ppb	27.2835	0.1	4831390
Mg 279.078	55649.5b	ppb	156.689	0.3	62562.6
Mn 257.610	18285.3b	ppb	54.9160	0.3	1731884
Mo 202.032	184.779b	ppb	1.0635	0.6	594.983
Na 330.237	8341.49b	ppb	320.113	3.8	309.629
Ni 231.604	277.813b	ppb	1.6676	0.6	838.131
Pb 220.353	277.980b	ppb	1.7221	0.6	202.409
Sb 206.834	32.3621b	ppb	12.0755	37.3	26.4581
Se 196.026	112.858b	ppb	8.0148	7.1	31.3783
Sn 189.925	210.100b	ppb	2.1644	1.0	134.182
Sr 216.596	425.714b	ppb	1.0539	0.2	2770.58
Ti 334.941	6716.57b	ppb	14.1650	0.2	1403513
Tl 190.794	34.7854b	ppb	11.1549	32.1	0.6721
V 292.401	970.983b	ppb	0.6267	0.1	27388.4
Zn 206.200	773.486b	ppb	1.6166	0.2	2406.61

680-88866-a-2-a (Samp) 4/3/2013, 12:35:16 AM Rack 3, Tube 12

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.1259b	ppb	1.1243	892.7	-146.275
Al 308.215	417769b	ppb	938.016	0.2	1163247
As 188.980	18.5746b	ppb	2.6133	14.1	3.4200
B 249.678	65.8252b	ppb	1.0171	1.5	-395.010
Ba 389.178	1592.13b	ppb	4.3306	0.3	26929.7
Be 313.042	14.7822b	ppb	0.0313	0.2	23096.7
Ca 370.602	20898b	ppb	31.13	0.1	-59.40
Cd 226.502	-1.8819b	ppb	0.7567	40.2	941.197
Co 228.615	119.038b	ppb	0.3890	0.3	1088.85
Cr 267.716	522.047b	ppb	2.4421	0.5	8157.76
Cu 324.754	470.658b	ppb	1.4496	0.3	17247.3
Fe 271.441	442549b	ppb	1154.00	0.3	329305
K 766.491	63217.3xb	ppb	197.061	0.3	8101488

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	90202.2b	ppb	167.898	0.2	102162
Mn 257.610	2703.64b	ppb	9.0987	0.3	257036
Mo 202.032	23.4699b	ppb	2.1556	9.2	32.6647
Na 330.237	3463.55b	ppb	111.364	3.2	-49.4062
Ni 231.604	262.115b	ppb	0.2287	0.1	796.362
Pb 220.353	124.336b	ppb	2.8800	2.3	58.8570
Sb 206.834	10.9719b	ppb	9.3853	85.5	8.6862
Se 196.026	14.6110b	ppb	15.5647	106.5	0.6513
Sn 189.925	16.8447b	ppb	9.0006	53.4	14.4807
Sr 216.596	358.602b	ppb	1.5911	0.4	2386.57
Ti 334.941	10003.6b	ppb	29.9278	0.3	2090303
Tl 190.794	-6.2415b	ppb	5.3867	86.3	-19.8810
V 292.401	968.534b	ppb	3.3528	0.3	27424.7
Zn 206.200	678.971b	ppb	2.5787	0.4	2117.74

Cont Calib Verif (CCV)

4/3/2013, 12:40:44 AM

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	482.140	ppb	33.5710	7.0	14942.9	96.42799
Al 308.215	4928.05	ppb	176.554	3.6	14113.4	98.56091
As 188.980	476.786	ppb	13.7583	2.9	177.093	95.35725
B 249.678	502.713	ppb	16.1387	3.2	4393.58	20.10852Q
Ba 389.178	4835.91	ppb	141.639	2.9	79800.0	96.71829
Be 313.042	481.600	ppb	15.5352	3.2	728912	96.31990
Ca 370.602	4989	ppb	149.7	3.0	18306	99.78732
Cd 226.502	475.552	ppb	16.0751	3.4	10672.7	95.11031
Co 228.615	484.953	ppb	15.5734	3.2	3851.23	96.99053
Cr 267.716	4860.70	ppb	163.019	3.4	77808.4	97.21393
Cu 324.754	4635.05	ppb	412.605	8.9	167613	92.70094
Fe 271.441	4951.62	ppb	180.638	3.6	3769.41	99.03239
K 766.491	9826.98	ppb	290.656	3.0	1263937	98.26981
Mg 279.078	4833.88	ppb	153.170	3.2	5596.78	96.67753
Mn 257.610	5002.17	ppb	164.146	3.3	473827	100.04343
Mo 202.032	491.272	ppb	15.8928	3.2	1698.66	98.25438
Na 330.237	7292.08	ppb	282.972	3.9	475.296	97.22771
Ni 231.604	2406.68	ppb	76.6898	3.2	7005.07	96.26709
Pb 220.353	486.862	ppb	14.1764	2.9	404.057	97.37230
Sb 206.834	924.499	ppb	28.3528	3.1	634.954	36.97997Q
Se 196.026	4760.54	ppb	154.195	3.2	1342.56	95.21074
Sn 189.925	4884.46	ppb	174.416	3.6	3047.89	97.68920
Sr 216.596	2415.02	ppb	75.2464	3.1	14569.4	96.60069
Ti 334.941	495.384	ppb	16.3503	3.3	103891	99.07687
Tl 190.794	4947.71	ppb	148.804	3.0	2319.38	98.95422
V 292.401	4898.25	ppb	157.323	3.2	137493	97.96494
Zn 206.200	2410.45	ppb	79.4830	3.3	7418.28	96.41806

Cont Calib Blank (CCB)

4/3/2013, 12:46:12 AM

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	0.4143	ppb	0.6313	152.4	-24.4789	0.41434
Al 308.215	-35.5243	ppb	2.4012	6.8	45.0753	-35.52433

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	5.2182	ppb	3.6194	69.4	-0.8724	5.21819
B 249.678	0.3966	ppb	0.8363	210.8	53.6806	0.39664
Ba 389.178	-0.1411	ppb	0.7023	497.8	-15.3294	-0.14109
Be 313.042	-0.1749	ppb	0.0044	2.5	-42.2788	-0.17486
Ca 370.602	-51.19	ppb	0.9936	1.9	-86.73	-51.19119
Cd 226.502	-0.8950	ppb	0.1432	16.0	11.0315	-0.89496
Co 228.615	-0.7031	ppb	0.1516	21.6	-8.1195	-0.70305
Cr 267.716	-0.9031	ppb	0.3304	36.6	18.6678	-0.90308
Cu 324.754	-0.9685	ppb	0.1882	19.4	133.033	-0.96849
Fe 271.441	-32.0624	ppb	8.9736	28.0	1.7196	-32.06239Z
K 766.491	-33.7631	ppb	0.4423	1.3	2557.88	-33.76310
Mg 279.078	-38.8171	ppb	4.1300	10.6	23.8874	-38.81711
Mn 257.610	-2.4212	ppb	0.0705	2.9	53.2461	-2.42116
Mo 202.032	-1.1403	ppb	0.2322	20.4	1.0837	-1.14029
Na 330.237	-82.4145	ppb	44.9635	54.6	-3.2297	-82.41452
Ni 231.604	-1.6869	ppb	0.9347	55.4	-0.7323	-1.68686
Pb 220.353	-1.8858	ppb	4.3725	231.9	1.2602	-1.88579
Sb 206.834	0.0096	ppb	2.6881	28072.1	2.1380	0.00958
Se 196.026	-0.9138	ppb	5.7161	625.5	2.9497	-0.91380
Sn 189.925	-2.3203	ppb	0.6713	28.9	0.0313	-2.32033
Sr 216.596	-1.5336	ppb	0.5398	35.2	-5.6225	-1.53362
Ti 334.941	-0.4033	ppb	0.0327	8.1	0.3779	-0.40329
Tl 190.794	-0.1005	ppb	4.0033	3982.2	-1.6511	-0.10053
V 292.401	-0.3706	ppb	0.1852	50.0	16.0294	-0.37061
Zn 206.200	-2.8516	ppb	0.3504	12.3	6.8179	-2.85158

680-88866-a-3-a (Samp)

4/3/2013, 12:51:40 AM

Rack 3, Tube 15

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.2094b	ppb	0.8088	66.9	-133.979
Al 308.215	267137b	ppb	319.480	0.1	743876
As 188.980	33.8137b	ppb	4.6914	13.9	8.0168
B 249.678	78.6240b	ppb	1.5815	2.0	-102.378
Ba 389.178	1276.21b	ppb	2.1260	0.2	21653.7
Be 313.042	12.5197b	ppb	0.0237	0.2	19582.5
Ca 370.602	106820b	ppb	54.96	0.1	338796
Cd 226.502	-0.5895b	ppb	0.6872	116.6	795.347
Co 228.615	156.060b	ppb	0.6941	0.4	1344.86
Cr 267.716	417.254b	ppb	0.4322	0.1	6528.01
Cu 324.754	438.130b	ppb	0.6127	0.1	15823.7
Fe 271.441	363703b	ppb	531.857	0.1	270642
K 766.491	57780.5xb	ppb	94.9236	0.2	7405384
Mg 279.078	104410b	ppb	180.023	0.2	118757
Mn 257.610	7917.76b	ppb	28.7380	0.4	750544
Mo 202.032	91.3677b	ppb	3.1271	3.4	276.726
Na 330.237	5107.70b	ppb	103.300	2.0	113.026
Ni 231.604	225.012b	ppb	1.0529	0.5	684.189
Pb 220.353	250.317b	ppb	11.5876	4.6	180.638
Sb 206.834	8.9067b	ppb	5.8753	66.0	9.2412
Se 196.026	18.0606b	ppb	11.4715	63.5	4.1282
Sn 189.925	26.4083b	ppb	4.3182	16.4	19.4655
Sr 216.596	1039.04b	ppb	3.1655	0.3	6482.61
Ti 334.941	7445.57b	ppb	14.5832	0.2	1555912

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-4.7745b	ppb	8.2775	173.4	-17.0054
V 292.401	784.147b	ppb	0.7395	0.1	22176.6
Zn 206.200	703.837b	ppb	3.3042	0.5	2193.26

680-88866-a-4-a (Samp) 4/3/2013, 12:57:08 AM Rack 3, Tube 16
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.0634b	ppb	0.6112	57.5	-184.966
Al 308.215	455349b	ppb	5134.90	1.1	1267865
As 188.980	60.5285b	ppb	3.3465	5.5	19.2057
B 249.678	107.587b	ppb	0.0445	0.0	-158.079
Ba 389.178	1506.61b	ppb	15.5322	1.0	25584.0
Be 313.042	15.6027b	ppb	0.1598	1.0	24267.8
Ca 370.602	17179b	ppb	80.87	0.5	-23833
Cd 226.502	-2.7686b	ppb	0.4358	15.7	1035.69
Co 228.615	113.045b	ppb	1.0993	1.0	1038.81
Cr 267.716	598.241b	ppb	5.5003	0.9	9349.52
Cu 324.754	490.566b	ppb	6.0435	1.2	18004.8
Fe 271.441	496082b	ppb	5060.54	1.0	369134
K 766.491	67196.3xb	ppb	687.839	1.0	8611023
Mg 279.078	91875.0b	ppb	994.837	1.1	103897
Mn 257.610	2704.97b	ppb	28.6582	1.1	257226
Mo 202.032	156.335b	ppb	1.8801	1.2	487.066
Na 330.237	2178.44b	ppb	141.378	6.5	-157.539
Ni 231.604	301.037b	ppb	2.9160	1.0	912.801
Pb 220.353	141.986b	ppb	5.2984	3.7	69.0050
Sb 206.834	15.9374b	ppb	4.0177	25.2	13.9111
Se 196.026	11.4201b	ppb	13.8807	121.5	-1.2376
Sn 189.925	20.6607b	ppb	2.0264	9.8	16.8637
Sr 216.596	411.716b	ppb	3.3851	0.8	2730.91
Ti 334.941	9921.55b	ppb	103.168	1.0	2073165
Tl 190.794	-15.3998b	ppb	4.6472	30.2	-27.0759
V 292.401	876.495b	ppb	8.9373	1.0	24808.1
Zn 206.200	717.916b	ppb	5.9648	0.8	2238.70

680-88866-a-5-a (Samp) 4/3/2013, 1:02:36 AM Rack 3, Tube 17
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2976b	ppb	0.1405	47.2	-133.412
Al 308.215	346942b	ppb	16767.8	4.8	966064
As 188.980	30.9206b	ppb	8.4333	27.3	7.8025
B 249.678	121.910b	ppb	1.4734	1.2	107.033
Ba 389.178	1294.46b	ppb	58.2939	4.5	22008.1
Be 313.042	14.7720b	ppb	0.6882	4.7	23048.5
Ca 370.602	41961b	ppb	937.8	2.2	80812
Cd 226.502	-0.6658b	ppb	2.3104	347.0	947.677
Co 228.615	165.000b	ppb	8.2316	5.0	1425.82
Cr 267.716	489.178b	ppb	21.6216	4.4	7637.45
Cu 324.754	529.135b	ppb	13.9147	2.6	19313.4
Fe 271.441	434984b	ppb	19704.1	4.5	323679
K 766.491	60328.9xb	ppb	2738.50	4.5	7731707

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	88263.9b	ppb	3982.77	4.5	99958.2
Mn 257.610	5076.20b	ppb	227.430	4.5	481600
Mo 202.032	242.315b	ppb	12.5947	5.2	791.583
Na 330.237	7035.58b	ppb	126.072	1.8	199.662
Ni 231.604	254.042b	ppb	14.5830	5.7	772.272
Pb 220.353	181.378b	ppb	9.6629	5.3	113.811
Sb 206.834	15.0012b	ppb	3.6757	24.5	13.3192
Se 196.026	27.8795b	ppb	24.7628	88.8	4.8165
Sn 189.925	21.0207b	ppb	3.2783	15.6	16.5678
Sr 216.596	619.068b	ppb	28.8749	4.7	3960.68
Ti 334.941	8254.31b	ppb	367.278	4.4	1724829
Tl 190.794	7.0426b	ppb	2.8210	40.1	-14.1191
V 292.401	948.323b	ppb	43.9809	4.6	26785.2
Zn 206.200	805.266b	ppb	39.5960	4.9	2506.44

680-88866-a-6-a (Samp)

4/3/2013, 1:08:03 AM

Rack 3, Tube 18

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.9861b	ppb	0.2233	11.2	-160.831
Al 308.215	277329b	ppb	351.024	0.1	772251
As 188.980	26.5545b	ppb	10.5109	39.6	5.6430
B 249.678	66.4595b	ppb	2.2738	3.4	-213.748
Ba 389.178	1283.85b	ppb	2.0745	0.2	21773.4
Be 313.042	12.9005b	ppb	0.0194	0.2	20168.3
Ca 370.602	80986b	ppb	89.37	0.1	240614
Cd 226.502	-1.3406b	ppb	0.1147	8.6	785.346
Co 228.615	170.389b	ppb	0.4960	0.3	1457.55
Cr 267.716	424.358b	ppb	0.6460	0.2	6639.19
Cu 324.754	447.741b	ppb	2.2870	0.5	16242.5
Fe 271.441	366386b	ppb	691.872	0.2	272639
K 766.491	58855.4xb	ppb	52.0099	0.1	7543024
Mg 279.078	99535.9b	ppb	153.282	0.2	113147
Mn 257.610	7311.54b	ppb	20.5791	0.3	693145
Mo 202.032	40.2257b	ppb	2.9411	7.3	99.0988
Na 330.237	15909.7b	ppb	180.896	1.1	816.543
Ni 231.604	229.645b	ppb	1.6799	0.7	697.641
Pb 220.353	143.097b	ppb	9.6336	6.7	90.0674
Sb 206.834	5.9694b	ppb	7.5702	126.8	7.5617
Se 196.026	24.4050b	ppb	3.1499	12.9	5.6541
Sn 189.925	19.7899b	ppb	0.6142	3.1	15.4033
Sr 216.596	843.454b	ppb	2.0163	0.2	5296.12
Ti 334.941	7295.92b	ppb	8.9418	0.1	1524619
Tl 190.794	-5.7709b	ppb	16.0606	278.3	-17.4462
V 292.401	808.175b	ppb	0.8871	0.1	22864.9
Zn 206.200	723.240b	ppb	1.3225	0.2	2252.86

680-88866-a-7-a (Samp)

4/3/2013, 1:13:31 AM

Rack 3, Tube 19

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.4913b	ppb	0.1290	26.3	-119.821
Al 308.215	237259b	ppb	1402.29	0.6	660699

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	90.0136b	ppb	9.3679	10.4	27.4991
B 249.678	121.315b	ppb	1.9741	1.6	205.618
Ba 389.178	1110.44b	ppb	5.1169	0.5	19117.7
Be 313.042	14.1367b	ppb	0.0600	0.4	22120.1
Ca 370.602	221301b	ppb	1288	0.6	766530
Cd 226.502	3.2511b	ppb	0.3691	11.4	935.686
Co 228.615	168.313b	ppb	1.5081	0.9	1449.38
Cr 267.716	493.164b	ppb	2.3808	0.5	7728.26
Cu 324.754	672.914b	ppb	3.7398	0.6	24011.6
Fe 271.441	390129b	ppb	1966.05	0.5	290306
K 766.491	101766xb	ppb	484.522	0.5	13037780
Mg 279.078	195107b	ppb	1267.50	0.6	222885
Mn 257.610	7809.56b	ppb	37.4566	0.5	740558
Mo 202.032	115.403b	ppb	1.1597	1.0	355.928
Na 330.237	55044.5b	ppb	208.729	0.4	3351.95
Ni 231.604	284.218b	ppb	2.5411	0.9	861.341
Pb 220.353	330.979b	ppb	8.9384	2.7	251.060
Sb 206.834	13.4675b	ppb	8.6774	64.4	13.2846
Se 196.026	19.2381b	ppb	10.8647	56.5	4.6948
Sn 189.925	217.547b	ppb	3.9593	1.8	138.386
Sr 216.596	2523.42b	ppb	11.8457	0.5	15510.4
Ti 334.941	7961.78b	ppb	39.1328	0.5	1663896
Tl 190.794	-2.2176b	ppb	4.3983	198.3	-17.1976
V 292.401	925.808b	ppb	5.8475	0.6	26165.4
Zn 206.200	1519.65b	ppb	3.9667	0.3	4708.29

680-88866-a-8-a (Samp)

4/3/2013, 1:18:59 AM

Rack 3, Tube 20

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1838b	ppb	0.0994	8.4	-52.4989
Al 308.215	173379b	ppb	2211.94	1.3	482849
As 188.980	212.389b	ppb	12.2253	5.8	74.4231
B 249.678	102.345b	ppb	1.8282	1.8	273.932
Ba 389.178	1645.56b	ppb	23.9506	1.5	27717.5
Be 313.042	10.3277b	ppb	0.1480	1.4	16229.8
Ca 370.602	161494b	ppb	2310	1.4	558785
Cd 226.502	3.4475b	ppb	0.5078	14.7	724.067
Co 228.615	133.441b	ppb	3.3973	2.5	1159.31
Cr 267.716	390.781b	ppb	4.8308	1.2	6142.46
Cu 324.754	912.525b	ppb	10.0271	1.1	32793.8
Fe 271.441	288889b	ppb	3998.08	1.4	214977
K 766.491	74970.0xb	ppb	1002.35	1.3	9606424
Mg 279.078	135819b	ppb	1806.91	1.3	155115
Mn 257.610	6301.85b	ppb	88.4375	1.4	597565
Mo 202.032	58.7483b	ppb	0.9157	1.6	172.229
Na 330.237	35330.7b	ppb	411.900	1.2	2120.67
Ni 231.604	220.412b	ppb	3.4581	1.6	667.506
Pb 220.353	685.644b	ppb	9.5987	1.4	554.938
Sb 206.834	16.9917b	ppb	1.2267	7.2	12.2348
Se 196.026	16.6545b	ppb	7.3825	44.3	5.0173
Sn 189.925	773.240b	ppb	10.0786	1.3	484.935
Sr 216.596	1818.22b	ppb	22.8121	1.3	11180.2
Ti 334.941	7055.48b	ppb	91.7980	1.3	1474458

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	2.6825b	ppb	6.7043	249.9	-10.2729
V 292.401	688.644b	ppb	9.6123	1.4	19483.3
Zn 206.200	1173.97b	ppb	20.6494	1.8	3639.99

680-88866-a-9-a (Samp) 4/3/2013, 1:24:27 AM Rack 3, Tube 21

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.8376b	ppb	0.8473	101.2	-143.925
Al 308.215	268017b	ppb	1611.05	0.6	746331
As 188.980	125.226b	ppb	1.3942	1.1	39.8606
B 249.678	130.142b	ppb	1.9185	1.5	117.310
Ba 389.178	1382.78b	ppb	9.6111	0.7	23751.0
Be 313.042	15.7509b	ppb	0.1237	0.8	24669.5
Ca 370.602	277401b	ppb	2044	0.7	965684
Cd 226.502	15.4947b	ppb	0.4975	3.2	1362.10
Co 228.615	201.544b	ppb	0.6566	0.3	1742.14
Cr 267.716	551.485b	ppb	4.9672	0.9	8625.58
Cu 324.754	827.527b	ppb	1.8904	0.2	29466.1
Fe 271.441	462222b	ppb	3638.06	0.8	343947
K 766.491	114673xb	ppb	728.734	0.6	14690501
Mg 279.078	226049b	ppb	1613.78	0.7	258185
Mn 257.610	9426.46b	ppb	62.1059	0.7	893797
Mo 202.032	101.460b	ppb	0.5933	0.6	298.327
Na 330.237	62256.2b	ppb	571.539	0.9	3775.04
Ni 231.604	320.780b	ppb	1.6637	0.5	973.139
Pb 220.353	270.272b	ppb	3.3363	1.2	196.573
Sb 206.834	13.3261b	ppb	11.2953	84.8	13.0872
Se 196.026	11.3054b	ppb	21.9341	194.0	1.7486
Sn 189.925	71.8274b	ppb	1.9985	2.8	47.7993
Sr 216.596	2935.32b	ppb	24.0462	0.8	18047.1
Ti 334.941	9937.80b	ppb	85.8166	0.9	2076829
Tl 190.794	-11.0436b	ppb	9.2892	84.1	-23.6515
V 292.401	1096.51b	ppb	8.2541	0.8	30999.1
Zn 206.200	2108.52b	ppb	17.3357	0.8	6523.81

680-88866-a-10-a (Samp) 4/3/2013, 1:29:55 AM Rack 3, Tube 22

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.7646b	ppb	1.3680	77.5	-171.296
Al 308.215	237626b	ppb	1597.73	0.7	661722
As 188.980	62.1712b	ppb	10.0517	16.2	16.9053
B 249.678	117.794b	ppb	0.5796	0.5	70.4732
Ba 389.178	808.034b	ppb	5.8162	0.7	14185.6
Be 313.042	15.0538b	ppb	0.1526	1.0	23585.9
Ca 370.602	226624b	ppb	1490	0.7	778426
Cd 226.502	-0.3060b	ppb	1.0756	351.6	951.926
Co 228.615	179.225b	ppb	1.2192	0.7	1548.35
Cr 267.716	514.860b	ppb	3.8003	0.7	8050.39
Cu 324.754	644.235b	ppb	3.6731	0.6	22973.6
Fe 271.441	435870b	ppb	3084.44	0.7	324340
K 766.491	110711xb	ppb	650.941	0.6	14183309

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	196836b	ppb	1341.61	0.7	224712
Mn 257.610	7647.95b	ppb	56.5719	0.7	725325
Mo 202.032	87.5572b	ppb	1.8519	2.1	253.202
Na 330.237	34418.3b	ppb	223.355	0.6	1979.96
Ni 231.604	312.025b	ppb	2.5430	0.8	945.006
Pb 220.353	140.333b	ppb	1.3093	0.9	91.4877
Sb 206.834	1.8051b	ppb	3.3634	186.3	6.0967
Se 196.026	11.8146b	ppb	6.7346	57.0	1.6493
Sn 189.925	19.0947b	ppb	3.4110	17.9	14.8031
Sr 216.596	2224.25b	ppb	16.5965	0.7	13714.9
Ti 334.941	8778.39b	ppb	58.2998	0.7	1834527
Tl 190.794	-4.9261b	ppb	8.1728	165.9	-19.7107
V 292.401	1058.74b	ppb	6.8182	0.6	29928.9
Zn 206.200	1040.64b	ppb	6.5690	0.6	3234.67

680-88866-a-11-a (Samp)

4/3/2013, 1:35:23 AM

Rack 3, Tube 23

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3260b	ppb	0.9318	285.8	-119.451
Al 308.215	215544b	ppb	640.938	0.3	600244
As 188.980	199.105b	ppb	13.8177	6.9	68.7252
B 249.678	140.728b	ppb	0.8676	0.6	367.724
Ba 389.178	1578.26b	ppb	5.6729	0.4	26810.4
Be 313.042	13.2310b	ppb	0.0508	0.4	20738.3
Ca 370.602	205430b	ppb	1262	0.6	706264
Cd 226.502	8.9324b	ppb	0.4653	5.2	1066.22
Co 228.615	180.151b	ppb	1.5360	0.9	1559.60
Cr 267.716	495.707b	ppb	1.6295	0.3	7768.57
Cu 324.754	894.754b	ppb	3.8559	0.4	32065.3
Fe 271.441	392447b	ppb	988.934	0.3	292031
K 766.491	94082.0xb	ppb	345.870	0.4	12053753
Mg 279.078	180455b	ppb	455.722	0.3	206040
Mn 257.610	7783.21b	ppb	14.4731	0.2	738043
Mo 202.032	193.003b	ppb	2.6283	1.4	624.411
Na 330.237	40629.5b	ppb	226.382	0.6	2402.76
Ni 231.604	296.846b	ppb	3.2469	1.1	897.617
Pb 220.353	542.585b	ppb	14.9463	2.8	430.061
Sb 206.834	12.0215b	ppb	8.9475	74.4	9.4620
Se 196.026	7.1267b	ppb	17.4972	245.5	1.0177
Sn 189.925	584.566b	ppb	10.5158	1.8	367.655
Sr 216.596	2231.97b	ppb	8.2398	0.4	13738.7
Ti 334.941	9208.29b	ppb	25.3661	0.3	1924321
Tl 190.794	3.2802b	ppb	14.4835	441.5	-13.5890
V 292.401	915.936b	ppb	1.7885	0.2	25881.6
Zn 206.200	1574.06b	ppb	7.2047	0.5	4875.36

680-88866-a-12-a (Samp)

4/3/2013, 1:40:51 AM

Rack 3, Tube 24

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.9001b	ppb	0.8801	97.8	-142.727
Al 308.215	271940b	ppb	486.544	0.2	757251

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	51.6033b	ppb	7.3835	14.3	12.3008
B 249.678	121.910b	ppb	0.2841	0.2	47.1745
Ba 389.178	863.850b	ppb	2.9836	0.3	15170.8
Be 313.042	16.1251b	ppb	0.0702	0.4	25224.0
Ca 370.602	269690b	ppb	933.5	0.3	936478
Cd 226.502	-0.5965b	ppb	0.4666	78.2	1001.53
Co 228.615	196.349b	ppb	1.0498	0.5	1681.73
Cr 267.716	533.549b	ppb	2.9803	0.6	8337.30
Cu 324.754	670.586b	ppb	2.2738	0.3	23822.9
Fe 271.441	461592b	ppb	1804.23	0.4	343478
K 766.491	114901xb	ppb	360.230	0.3	14719897
Mg 279.078	215948b	ppb	412.282	0.2	246580
Mn 257.610	8984.09b	ppb	36.6010	0.4	851880
Mo 202.032	84.7889b	ppb	1.2051	1.4	240.663
Na 330.237	63483.0b	ppb	294.474	0.5	3863.38
Ni 231.604	304.941b	ppb	4.4503	1.5	926.667
Pb 220.353	112.974b	ppb	13.4306	11.9	64.8261
Sb 206.834	4.4987b	ppb	7.1645	159.3	9.4261
Se 196.026	7.6802b	ppb	16.5236	215.1	0.5769
Sn 189.925	28.6932b	ppb	3.1483	11.0	20.5814
Sr 216.596	2528.22b	ppb	4.5244	0.2	15575.6
Ti 334.941	8549.99b	ppb	32.2564	0.4	1786854
Tl 190.794	-4.1224b	ppb	11.8090	286.5	-21.2789
V 292.401	1080.66b	ppb	3.5822	0.3	30546.1
Zn 206.200	1059.07b	ppb	3.5747	0.3	3292.61

Cont Calib Verif (CCV)

4/3/2013, 1:46:20 AM

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	491.610	ppb	5.0189	1.0	15237.0	98.32199
Al 308.215	4957.00	ppb	14.0792	0.3	14194.4	99.14006
As 188.980	474.570	ppb	2.4714	0.5	176.262	94.91408
B 249.678	502.715	ppb	1.6627	0.3	4393.62	20.10861Q
Ba 389.178	4817.79	ppb	19.3765	0.4	79501.1	96.35586
Be 313.042	481.365	ppb	1.8574	0.4	728564	96.27306
Ca 370.602	4984	ppb	13.57	0.3	18290	99.68597
Cd 226.502	474.143	ppb	2.0867	0.4	10641.1	94.82858
Co 228.615	483.192	ppb	2.0023	0.4	3837.26	96.63834
Cr 267.716	4850.02	ppb	19.1520	0.4	77637.4	97.00038
Cu 324.754	4783.59	ppb	34.9284	0.7	172981	95.67177
Fe 271.441	4935.08	ppb	15.0480	0.3	3757.15	98.70157
K 766.491	9882.45	ppb	16.4796	0.2	1271043	98.82452
Mg 279.078	4860.05	ppb	14.0085	0.3	5626.91	97.20108
Mn 257.610	4994.62	ppb	14.7657	0.3	473112	99.89241
Mo 202.032	494.488	ppb	2.6264	0.5	1709.80	98.89766
Na 330.237	7232.23	ppb	198.795	2.7	471.375	96.42970
Ni 231.604	2409.06	ppb	7.8150	0.3	7011.98	96.36237
Pb 220.353	489.644	ppb	4.8310	1.0	406.375	97.92877
Sb 206.834	925.873	ppb	4.4037	0.5	635.881	37.03492Q
Se 196.026	4755.59	ppb	29.9236	0.6	1341.17	95.11178
Sn 189.925	4882.75	ppb	13.9549	0.3	3046.83	97.65507
Sr 216.596	2418.49	ppb	11.6596	0.5	14590.2	96.73975
Ti 334.941	496.666	ppb	1.9211	0.4	104159	99.33327

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	4938.56	ppb	40.4152	0.8	2315.11	98.77111
V 292.401	4909.43	ppb	18.6339	0.4	137807	98.18868
Zn 206.200	2396.77	ppb	5.9653	0.2	7376.14	95.87096

Cont Calib Blank (CCB)

4/3/2013, 1:51:48 AM

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	0.7539	ppb	0.6258	83.0	-13.9310	0.75389
Al 308.215	-32.5854	ppb	3.6075	11.1	53.2780	-32.58545
As 188.980	-2.6988	ppb	5.2016	192.7	-3.8475	-2.69884
B 249.678	0.3756	ppb	0.1516	40.4	53.4739	0.37555
Ba 389.178	-0.0787	ppb	1.1854	1506.4	-14.2816	-0.07869
Be 313.042	-0.1500	ppb	0.0294	19.6	-4.5673	-0.15001
Ca 370.602	-45.25	ppb	6.781	15.0	-65.97	-45.25086
Cd 226.502	-0.7522	ppb	0.1315	17.5	14.2420	-0.75224
Co 228.615	-0.7818	ppb	0.1482	19.0	-8.7411	-0.78176
Cr 267.716	-0.6986	ppb	0.1006	14.4	21.9337	-0.69856
Cu 324.754	-0.6602	ppb	0.6652	100.8	144.160	-0.66022
Fe 271.441	-21.4400	ppb	14.7551	68.8	9.6210	-21.44000
K 766.491	-30.8435	ppb	2.2465	7.3	2931.69	-30.84350
Mg 279.078	-31.7657	ppb	2.1540	6.8	31.9564	-31.76575
Mn 257.610	-2.0124	ppb	0.5127	25.5	91.9602	-2.01241
Mo 202.032	-0.5887	ppb	1.1641	197.7	2.9942	-0.58871
Na 330.237	-92.2136	ppb	68.4090	74.2	-3.8748	-92.21357
Ni 231.604	-0.8735	ppb	0.2680	30.7	1.6373	-0.87346
Pb 220.353	-0.2105	ppb	3.4645	1646.1	2.6591	-0.21046
Sb 206.834	3.4680	ppb	0.8322	24.0	4.3945	3.46803
Se 196.026	-2.9679	ppb	8.4815	285.8	2.3721	-2.96786
Sn 189.925	-5.3245	ppb	1.2615	23.7	-1.8423	-5.32450
Sr 216.596	-1.3582	ppb	0.0509	3.7	-4.5841	-1.35820
Ti 334.941	-0.2043	ppb	0.1964	96.1	41.9750	-0.20433
Tl 190.794	6.1358	ppb	1.3724	22.4	1.2672	6.13580
V 292.401	0.0777	ppb	0.3651	470.2	28.6265	0.07766
Zn 206.200	-3.1526	ppb	0.2198	7.0	5.8901	-3.15260

680-88866-a-13-a (Samp)

4/3/2013, 1:57:17 AM

Rack 3, Tube 27

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.7147b	ppb	0.5551	14.9	-14.8148
Al 308.215	273403b	ppb	1306.84	0.5	761331
As 188.980	368.238b	ppb	4.1609	1.1	131.991
B 249.678	197.080b	ppb	1.4604	0.7	768.371
Ba 389.178	2719.13b	ppb	13.6054	0.5	45694.0
Be 313.042	15.5752b	ppb	0.0987	0.6	24377.6
Ca 370.602	222909b	ppb	1146	0.5	765843
Cd 226.502	14.8574b	ppb	0.6440	4.3	1282.91
Co 228.615	243.127b	ppb	2.5389	1.0	2126.76
Cr 267.716	622.875b	ppb	3.3288	0.5	9787.04
Cu 324.754	1479.92b	ppb	15.4404	1.0	53152.0
Fe 271.441	430784b	ppb	2487.73	0.6	320559
K 766.491	107351xb	ppb	530.363	0.5	13752503

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	191548b	ppb	834.729	0.4	218651
Mn 257.610	8543.41b	ppb	50.4036	0.6	810125
Mo 202.032	168.731b	ppb	1.6680	1.0	535.695
Na 330.237	41731.5b	ppb	280.048	0.7	2424.26
Ni 231.604	426.527b	ppb	1.9489	0.5	1277.40
Pb 220.353	1100.14b	ppb	1.9072	0.2	889.415
Sb 206.834	49.3616b	ppb	7.8932	16.0	24.6401
Se 196.026	50.3048b	ppb	13.8238	27.5	12.8182
Sn 189.925	2593.17b	ppb	26.0355	1.0	1621.49
Sr 216.596	2169.20b	ppb	13.6595	0.6	13372.5
Ti 334.941	13965.8b	ppb	83.0913	0.6	2918367
Tl 190.794	24.1391b	ppb	7.8046	32.3	-2.7692
V 292.401	1079.17b	ppb	6.3592	0.6	30523.4
Zn 206.200	2621.40b	ppb	13.8717	0.5	8100.55

680-88866-a-14-a (Samp)

4/3/2013, 2:02:45 AM

Rack 3, Tube 28

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1249b	ppb	0.7359	589.4	-121.109
Al 308.215	244895b	ppb	593.887	0.2	681956
As 188.980	183.746b	ppb	1.4267	0.8	63.4150
B 249.678	158.024b	ppb	0.6045	0.4	302.994
Ba 389.178	1592.72b	ppb	3.0064	0.2	27176.7
Be 313.042	16.0609b	ppb	0.0195	0.1	25095.8
Ca 370.602	165713b	ppb	693.2	0.4	539291
Cd 226.502	10.5651b	ppb	0.4398	4.2	1300.16
Co 228.615	204.981b	ppb	1.2254	0.6	1761.72
Cr 267.716	563.400b	ppb	1.6966	0.3	8801.97
Cu 324.754	2150.05b	ppb	12.7986	0.6	77582.4
Fe 271.441	485650b	ppb	1123.28	0.2	361378
K 766.491	108728xb	ppb	189.643	0.2	13929179
Mg 279.078	191713b	ppb	486.937	0.3	218647
Mn 257.610	8558.34b	ppb	14.7066	0.2	811552
Mo 202.032	175.334b	ppb	1.2875	0.7	551.070
Na 330.237	39029.1b	ppb	282.410	0.7	2255.81
Ni 231.604	328.347b	ppb	2.3784	0.7	995.228
Pb 220.353	385.519b	ppb	3.8589	1.0	295.179
Sb 206.834	18.3580b	ppb	13.1675	71.7	16.1896
Se 196.026	-2.1645b	ppb	13.9216	643.2	-3.3568
Sn 189.925	347.078b	ppb	5.9117	1.7	219.763
Sr 216.596	1939.35b	ppb	3.9638	0.2	12002.6
Ti 334.941	9424.87b	ppb	17.3357	0.2	1969538
Tl 190.794	2.3889b	ppb	5.6884	238.1	-17.4612
V 292.401	1087.40b	ppb	3.0403	0.3	30727.0
Zn 206.200	3215.95b	ppb	4.3318	0.1	9932.58

680-88866-a-15-a (Samp)

4/3/2013, 2:08:14 AM

Rack 3, Tube 29

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.2161b	ppb	0.8222	67.6	-77.5603
Al 308.215	231137b	ppb	1366.64	0.6	643649

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	238.288b	ppb	12.3822	5.2	83.9227
B 249.678	117.678b	ppb	0.6375	0.5	12.8414
Ba 389.178	794.328b	ppb	2.9743	0.4	13957.8
Be 313.042	13.9449b	ppb	0.0780	0.6	21827.3
Ca 370.602	166061b	ppb	317.6	0.2	545023
Cd 226.502	-1.1507b	ppb	0.4025	35.0	983.241
Co 228.615	184.678b	ppb	0.5311	0.3	1567.90
Cr 267.716	494.100b	ppb	2.5496	0.5	7704.58
Cu 324.754	783.177b	ppb	3.5604	0.5	28183.2
Fe 271.441	459932b	ppb	1910.44	0.4	342241
K 766.491	101520xb	ppb	437.879	0.4	13006451
Mg 279.078	181387b	ppb	938.423	0.5	206874
Mn 257.610	7578.02b	ppb	25.7921	0.3	718674
Mo 202.032	177.403b	ppb	1.1658	0.7	561.670
Na 330.237	44096.3b	ppb	217.383	0.5	2610.76
Ni 231.604	304.529b	ppb	0.5343	0.2	924.041
Pb 220.353	393.736b	ppb	12.3142	3.1	303.721
Sb 206.834	8.9681b	ppb	4.6887	52.3	13.1407
Se 196.026	24.0815b	ppb	14.4026	59.8	4.2626
Sn 189.925	29.2849b	ppb	1.9620	6.7	20.9862
Sr 216.596	2082.45b	ppb	11.4946	0.6	12861.1
Ti 334.941	7129.62b	ppb	37.2394	0.5	1489968
Tl 190.794	-6.9249b	ppb	4.5408	65.6	-22.2891
V 292.401	954.087b	ppb	5.2940	0.6	26954.0
Zn 206.200	942.421b	ppb	2.5557	0.3	2932.41

680-88866-a-16-a (Samp)

4/3/2013, 2:13:43 AM

Rack 3, Tube 30

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6345b	ppb	0.4505	71.0	-132.085
Al 308.215	274139b	ppb	2691.11	1.0	763374
As 188.980	76.9067b	ppb	6.8494	8.9	22.9315
B 249.678	126.357b	ppb	0.8653	0.7	90.8799
Ba 389.178	913.354b	ppb	8.2463	0.9	15946.9
Be 313.042	15.5819b	ppb	0.1511	1.0	24371.1
Ca 370.602	190512b	ppb	1412	0.7	637702
Cd 226.502	-0.5509b	ppb	0.2253	40.9	997.556
Co 228.615	207.526b	ppb	1.4818	0.7	1762.73
Cr 267.716	507.772b	ppb	3.1569	0.6	7925.69
Cu 324.754	778.382b	ppb	7.7454	1.0	27935.8
Fe 271.441	458990b	ppb	4178.71	0.9	341543
K 766.491	111564xb	ppb	842.537	0.8	14292539
Mg 279.078	195927b	ppb	1840.24	0.9	223583
Mn 257.610	8957.31b	ppb	75.7022	0.8	849286
Mo 202.032	133.550b	ppb	4.4419	3.3	410.085
Na 330.237	60674.0b	ppb	590.234	1.0	3684.87
Ni 231.604	315.916b	ppb	3.5855	1.1	957.638
Pb 220.353	219.880b	ppb	4.5946	2.1	153.958
Sb 206.834	6.7636b	ppb	6.2730	92.7	10.5977
Se 196.026	7.8888b	ppb	8.5660	108.6	0.3103
Sn 189.925	22.3038b	ppb	3.5738	16.0	16.7708
Sr 216.596	2098.75b	ppb	19.8480	0.9	12961.8
Ti 334.941	8040.03b	ppb	80.8031	1.0	1680217

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-16.7763b	ppb	3.1715	18.9	-26.7413
V 292.401	1065.08b	ppb	9.8413	0.9	30092.6
Zn 206.200	954.844b	ppb	9.3645	1.0	2971.06

680-88866-a-17-a (Samp) 4/3/2013, 2:19:11 AM Rack 3, Tube 31

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.7011b	ppb	0.7207	102.8	-132.455
Al 308.215	289056b	ppb	489.522	0.2	804907
As 188.980	67.8621b	ppb	9.7399	14.4	18.7789
B 249.678	124.373b	ppb	2.2141	1.8	112.692
Ba 389.178	990.542b	ppb	1.0043	0.1	17233.5
Be 313.042	16.3012b	ppb	0.0018	0.0	25491.6
Ca 370.602	245400b	ppb	518.3	0.2	848216
Cd 226.502	-0.0766b	ppb	0.6987	912.7	973.696
Co 228.615	193.362b	ppb	1.5582	0.8	1657.91
Cr 267.716	513.313b	ppb	0.2722	0.1	8023.93
Cu 324.754	717.690b	ppb	3.7948	0.5	25582.1
Fe 271.441	442062b	ppb	308.742	0.1	328947
K 766.491	117963xb	ppb	82.4210	0.1	15111909
Mg 279.078	213843b	ppb	332.142	0.2	244230
Mn 257.610	9086.30b	ppb	11.6982	0.1	861527
Mo 202.032	109.307b	ppb	0.1398	0.1	328.360
Na 330.237	80481.5b	ppb	178.032	0.2	4979.67
Ni 231.604	290.360b	ppb	1.0320	0.4	883.000
Pb 220.353	135.656b	ppb	3.3901	2.5	82.1323
Sb 206.834	7.6368b	ppb	4.5964	60.2	10.4332
Se 196.026	-14.1186b	ppb	28.8005	204.0	-5.1634
Sn 189.925	26.1615b	ppb	3.6529	14.0	19.1047
Sr 216.596	2691.50b	ppb	2.2039	0.1	16557.4
Ti 334.941	8580.81b	ppb	7.0709	0.1	1793264
Tl 190.794	-21.3407b	ppb	7.2006	33.7	-28.4500
V 292.401	1099.59b	ppb	2.9450	0.3	31071.1
Zn 206.200	1002.15b	ppb	2.0328	0.2	3116.87

680-88866-a-18-a (Samp) 4/3/2013, 2:24:40 AM Rack 3, Tube 32

Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.1456b	ppb	0.5614	49.0	-95.0695
Al 308.215	231491b	ppb	229.903	0.1	644626
As 188.980	162.024b	ppb	8.7839	5.4	55.4271
B 249.678	113.343b	ppb	1.0300	0.9	-182.077
Ba 389.178	1050.65b	ppb	2.2139	0.2	18211.6
Be 313.042	12.6005b	ppb	0.0237	0.2	19807.0
Ca 370.602	147283b	ppb	344.7	0.2	461651
Cd 226.502	3.7754b	ppb	0.1066	2.8	1237.12
Co 228.615	214.496b	ppb	0.0886	0.0	1815.50
Cr 267.716	446.564b	ppb	2.3043	0.5	6906.92
Cu 324.754	821.684b	ppb	5.3490	0.7	29650.5
Fe 271.441	528600b	ppb	1307.47	0.2	393334
K 766.491	93075.9xb	ppb	81.0486	0.1	11925061

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	152515b	ppb	126.641	0.1	173455
Mn 257.610	7407.58b	ppb	13.2370	0.2	702553
Mo 202.032	147.817b	ppb	1.5371	1.0	450.137
Na 330.237	44329.2b	ppb	141.805	0.3	2589.51
Ni 231.604	338.550b	ppb	0.8692	0.3	1025.99
Pb 220.353	411.962b	ppb	3.5891	0.9	318.584
Sb 206.834	15.9276b	ppb	5.5374	34.8	17.7624
Se 196.026	24.7628b	ppb	7.6739	31.0	2.7448
Sn 189.925	51.6183b	ppb	1.9951	3.9	35.1639
Sr 216.596	1530.23b	ppb	1.7811	0.1	9538.67
Ti 334.941	7790.53b	ppb	8.9616	0.1	1628036
Tl 190.794	-7.2875b	ppb	1.0133	13.9	-24.6388
V 292.401	966.638b	ppb	1.4294	0.1	27337.0
Zn 206.200	1251.59b	ppb	3.6432	0.3	3885.10

680-88875-a-1-a (Samp)

4/3/2013, 2:30:09 AM

Rack 3, Tube 33

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3159	ppb	0.4935	4.8	316.581
Al 308.215	15962.6	ppb	120.244	0.8	44585.7
As 188.980	1.8824	ppb	3.3051	175.6	-2.2934
B 249.678	47.0788	ppb	0.3713	0.8	409.774
Ba 389.178	648.954	ppb	4.9679	0.8	10721.6
Be 313.042	0.1861	ppb	0.0098	5.3	516.196
Ca 370.602	14562	ppb	77.17	0.5	51665
Cd 226.502	156.807	ppb	1.1152	0.7	3580.60
Co 228.615	5.4267	ppb	0.2014	3.7	43.7885
Cr 267.716	284.827	ppb	3.2048	1.1	4592.10
Cu 324.754	214.304	ppb	2.8068	1.3	7881.86
Fe 271.441	20623.2	ppb	154.274	0.7	15369.8
K 766.491	3859.46	ppb	18.9345	0.5	500915
Mg 279.078	2764.18	ppb	32.2017	1.2	3156.72
Mn 257.610	9011.94	ppb	60.5596	0.7	853413
Mo 202.032	46.8882	ppb	0.4475	1.0	165.087
Na 330.237	2573.09	ppb	96.9571	3.8	159.043
Ni 231.604	50.3189	ppb	0.4221	0.8	151.826
Pb 220.353	20.7878	ppb	3.2960	15.9	18.0537
Sb 206.834	-0.8546	ppb	3.8284	448.0	4.3665
Se 196.026	3.0155	ppb	15.2662	506.3	5.4937
Sn 189.925	22.1231	ppb	5.3149	24.0	15.2859
Sr 216.596	110.582	ppb	1.0672	1.0	682.833
Ti 334.941	244.693	ppb	2.2853	0.9	51243.1
Tl 190.794	1.9627	ppb	2.4040	122.5	-1.7077
V 292.401	29.3407	ppb	0.2332	0.8	812.313
Zn 206.200	401.435	ppb	2.4544	0.6	1250.97

mb 680-271368/1-a (Samp)

4/3/2013, 2:35:37 AM

Rack 3, Tube 34

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.2092	ppb	0.4005	191.4	-43.8565
Al 308.215	-20.6135	ppb	6.0143	29.2	86.5836

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	0.8626	ppb	6.2130	720.2	-2.5097
B 249.678	-0.6918	ppb	0.7938	114.7	44.2211
Ba 389.178	-1.1765	ppb	0.3908	33.2	-32.2906
Be 313.042	-0.2098	ppb	0.0067	3.2	-95.2478
Ca 370.602	-20.23	ppb	3.703	18.3	27.76
Cd 226.502	-0.7138	ppb	0.3081	43.2	15.1113
Co 228.615	-0.8349	ppb	0.2165	25.9	-9.1717
Cr 267.716	-0.9287	ppb	0.0802	8.6	18.2541
Cu 324.754	-1.6745	ppb	0.5826	34.8	107.460
Fe 271.441	-16.9328	ppb	3.2916	19.4	12.9605
K 766.491	-19.1996	ppb	4.3487	22.7	4423.09
Mg 279.078	17.7259	ppb	11.4149	64.4	88.8123
Mn 257.610	-2.2312	ppb	0.1304	5.8	71.3828
Mo 202.032	-0.4691	ppb	0.8740	186.3	3.4098
Na 330.237	56.1528	ppb	57.3652	102.2	5.7897
Ni 231.604	-0.2250	ppb	1.3367	594.1	3.5197
Pb 220.353	-3.9959	ppb	0.8887	22.2	-0.5050
Sb 206.834	0.7327	ppb	1.4284	194.9	2.5889
Se 196.026	-2.0936	ppb	6.5614	313.4	2.6182
Sn 189.925	8.0804	ppb	1.6678	20.6	6.5181
Sr 216.596	-1.8521	ppb	0.6366	34.4	-7.6139
Ti 334.941	0.1218	ppb	0.1018	83.6	110.135
Tl 190.794	-2.8323	ppb	0.7837	27.7	-2.9316
V 292.401	-0.6628	ppb	0.1601	24.2	7.6684
Zn 206.200	-2.2686	ppb	1.0018	44.2	8.6140

lcs 680-271368/2-a (Samp)

4/3/2013, 2:41:06 AM

Rack 3, Tube 35

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	31.7704	ppb	0.2031	0.6	950.697
Al 308.215	5245.68	ppb	14.4243	0.3	14755.2
As 188.980	98.1320	ppb	1.2146	1.2	33.9869
B 249.678	189.175	ppb	1.3639	0.7	1675.20
Ba 389.178	107.344	ppb	0.5221	0.5	1774.12
Be 313.042	53.6220	ppb	0.0801	0.1	81092.0
Ca 370.602	5198	ppb	19.25	0.4	18835
Cd 226.502	52.7713	ppb	0.3226	0.6	1221.91
Co 228.615	53.2448	ppb	0.2291	0.4	420.111
Cr 267.716	107.304	ppb	0.5877	0.5	1748.03
Cu 324.754	106.420	ppb	0.6317	0.6	4001.97
Fe 271.441	5145.58	ppb	16.2406	0.3	3857.34
K 766.491	5208.69	ppb	15.1791	0.3	673831
Mg 279.078	5060.48	ppb	11.8936	0.2	5864.39
Mn 257.610	559.367	ppb	1.4198	0.3	53253.3
Mo 202.032	104.059	ppb	0.8446	0.8	365.040
Na 330.237	4821.31	ppb	166.904	3.5	313.292
Ni 231.604	104.158	ppb	0.5427	0.5	307.511
Pb 220.353	51.4172	ppb	3.4466	6.7	44.9452
Sb 206.834	48.3188	ppb	4.1057	8.5	34.1590
Se 196.026	90.8810	ppb	0.3884	0.4	28.8248
Sn 189.925	210.201	ppb	1.7469	0.8	132.583
Sr 216.596	103.574	ppb	0.3875	0.4	629.517
Ti 334.941	103.859	ppb	0.2393	0.2	21797.0

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	40.4456	ppb	5.9330	14.7	17.1618
V 292.401	104.057	ppb	0.1232	0.1	2925.38
Zn 206.200	101.626	ppb	2.4115	2.4	328.352

lcs 680-271368/3-a (Samp) 4/3/2013, 2:46:35 AM Rack 3, Tube 36
 Weight: 1 Volume: 1 Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	203.006	ppb	1.3060	0.6	6274.63
Al 308.215	2180.97	ppb	6.6430	0.3	6228.25
As 188.980	204.259	ppb	7.5159	3.7	73.6534
B 249.678	374.536	ppb	1.1053	0.3	3245.16
Ba 389.178	198.304	ppb	0.5703	0.3	3320.99
Be 313.042	208.382	ppb	0.6089	0.3	314397
Ca 370.602	20602	ppb	56.97	0.3	74253
Cd 226.502	202.783	ppb	0.6748	0.3	4607.98
Co 228.615	206.971	ppb	1.8172	0.9	1640.80
Cr 267.716	209.372	ppb	0.6129	0.3	3374.58
Cu 324.754	207.939	ppb	2.5184	1.2	7637.06
Fe 271.441	20797.6	ppb	61.0504	0.3	15510.6
K 766.491	19956.1	ppb	35.3194	0.2	2562233
Mg 279.078	19928.1	ppb	71.7525	0.4	22891.2
Mn 257.610	2152.81	ppb	5.9163	0.3	204149
Mo 202.032	205.392	ppb	0.5176	0.3	714.126
Na 330.237	18148.0	ppb	97.8956	0.5	1173.75
Ni 231.604	207.727	ppb	0.1151	0.1	610.026
Pb 220.353	194.231	ppb	3.2302	1.7	164.242
Sb 206.834	187.156	ppb	1.3467	0.7	126.366
Se 196.026	190.230	ppb	7.9371	4.2	56.8690
Sn 189.925	211.694	ppb	6.6801	3.2	133.487
Sr 216.596	212.896	ppb	0.7788	0.4	1295.66
Ti 334.941	203.397	ppb	0.5210	0.3	42617.3
Tl 190.794	34.0580	ppb	4.1932	12.3	13.7287
V 292.401	206.162	ppb	0.6792	0.3	5771.17
Zn 206.200	189.804	ppb	0.3592	0.2	600.314

Cont Calib Verif (CCV) 4/3/2013, 2:52:03 AM 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	495.199	ppb	0.7867	0.2	15348.6	99.03981
Al 308.215	5003.63	ppb	14.4230	0.3	14327.4	100.07260
As 188.980	488.221	ppb	7.4743	1.5	181.399	97.64421
B 249.678	509.228	ppb	0.5434	0.1	4449.94	20.36911Q
Ba 389.178	4874.90	ppb	5.8802	0.1	80443.5	97.49799
Be 313.042	486.788	ppb	0.6878	0.1	736774	97.35762
Ca 370.602	5035	ppb	8.231	0.2	18476	100.69891
Cd 226.502	478.747	ppb	0.9795	0.2	10744.2	95.74932
Co 228.615	488.885	ppb	0.7351	0.2	3882.50	97.77699
Cr 267.716	4902.08	ppb	2.2758	0.0	78470.4	98.04163
Cu 324.754	4819.66	ppb	19.9319	0.4	174284	96.39314
Fe 271.441	4979.58	ppb	14.9754	0.3	3791.04	99.59159
K 766.491	9968.27	ppb	10.7965	0.1	1282017	99.68271

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	4905.27	ppb	12.1413	0.2	5678.61	98.10536
Mn 257.610	5046.36	ppb	3.8954	0.1	478009	100.92711
Mo 202.032	498.036	ppb	1.2848	0.3	1721.97	99.60728
Na 330.237	7544.44	ppb	118.267	1.6	491.716	100.59248
Ni 231.604	2435.98	ppb	4.3663	0.2	7090.29	97.43908
Pb 220.353	494.695	ppb	1.8373	0.4	410.542	98.93898
Sb 206.834	939.016	ppb	4.3103	0.5	644.718	37.56066Q
Se 196.026	4787.71	ppb	12.5475	0.3	1350.21	95.75430
Sn 189.925	4944.00	ppb	18.8976	0.4	3085.03	98.87992
Sr 216.596	2441.82	ppb	3.5961	0.1	14730.8	97.67300
Ti 334.941	500.104	ppb	0.7927	0.2	104880	100.02090
Tl 190.794	4991.26	ppb	12.3207	0.2	2339.85	99.82523
V 292.401	4972.46	ppb	7.5358	0.2	139577	99.44916
Zn 206.200	2424.22	ppb	7.0307	0.3	7460.46	96.96889

Cont Calib Blank (CCB)

4/3/2013, 2:57:32 AM

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	0.1125	ppb	0.7241	643.6	-33.8531	0.11251
Al 308.215	-39.8513	ppb	3.4093	8.6	33.0306	-39.85128
As 188.980	4.2502	ppb	4.7465	111.7	-1.2361	4.25023
B 249.678	0.8559	ppb	0.1767	20.6	57.6625	0.85589
Ba 389.178	-0.1246	ppb	0.7252	581.9	-15.0728	-0.12463
Be 313.042	-0.1873	ppb	0.0036	1.9	-61.0492	-0.18729
Ca 370.602	-47.10	ppb	2.610	5.5	-69.89	-47.09946
Cd 226.502	-0.7357	ppb	0.1936	26.3	14.5760	-0.73565
Co 228.615	-0.9996	ppb	0.2272	22.7	-10.4782	-0.99955
Cr 267.716	-1.4655	ppb	0.1524	10.4	9.6694	-1.46551
Cu 324.754	-1.4200	ppb	0.2749	19.4	116.700	-1.41998
Fe 271.441	-39.5583	ppb	3.0491	7.7	-3.8751	-39.55826Z
K 766.491	-35.0114	ppb	0.3441	1.0	2398.05	-35.01144
Mg 279.078	-41.8892	ppb	2.1033	5.0	20.3844	-41.88923
Mn 257.610	-2.4387	ppb	0.0213	0.9	51.5667	-2.43871
Mo 202.032	-0.7811	ppb	0.3294	42.2	2.3300	-0.78113
Na 330.237	10.6336	ppb	96.5951	908.4	2.8362	10.63361
Ni 231.604	-1.9800	ppb	0.4805	24.3	-1.5855	-1.97998
Pb 220.353	-1.7709	ppb	3.4218	193.2	1.3568	-1.77088
Sb 206.834	1.5274	ppb	4.3322	283.6	3.1242	1.52738
Se 196.026	-4.7189	ppb	4.2106	89.2	1.8800	-4.71895
Sn 189.925	-4.8760	ppb	3.1363	64.3	-1.5626	-4.87602
Sr 216.596	-1.4715	ppb	0.3158	21.5	-5.2409	-1.47148
Ti 334.941	-0.5361	ppb	0.0368	6.9	-27.3846	-0.53605
Tl 190.794	-0.3967	ppb	3.7266	939.5	-1.7903	-0.39666
V 292.401	-0.3807	ppb	0.2149	56.5	15.7359	-0.38066
Zn 206.200	-3.7065	ppb	0.1910	5.2	4.1868	-3.70654

680-88811-b-22-d (Samp)

4/3/2013, 3:03:01 AM

Rack 3, Tube 39

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.4728	ppb	0.7756	52.7	-28.7152
Al 308.215	104781	ppb	161.739	0.2	291843

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	268.671	ppb	3.6615	1.4	90.8205
B 249.678	77.4166	ppb	0.6423	0.8	-302.964
Ba 389.178	1436.01	ppb	5.7865	0.4	24417.7
Be 313.042	13.3041	ppb	0.0691	0.5	20739.5
Ca 370.602	488636	ppb	2738	0.6	1765938
Cd 226.502	15.0253	ppb	0.4209	2.8	1306.25
Co 228.615	90.9099	ppb	0.5661	0.6	747.216
Cr 267.716	596.113	ppb	3.5825	0.6	9348.51
Cu 324.754	871.473	ppb	5.4591	0.6	30528.7
Fe 271.441	445565	ppb	2100.14	0.5	331544
K 766.491	10078.4	ppb	30.9004	0.3	1297022
Mg 279.078	123395	ppb	146.048	0.1	140277
Mn 257.610	12188.2	ppb	56.4088	0.5	1154873
Mo 202.032	17.1080	ppb	1.0467	6.1	6.8325
Na 330.237	1868.80	ppb	131.701	7.0	-87.7038
Ni 231.604	130.314	ppb	3.4996	2.7	414.448
Pb 220.353	2633.49	ppb	16.4831	0.6	2188.54
Sb 206.834	15.6708	ppb	0.7569	4.8	30.5392
Se 196.026	10.3872	ppb	12.6744	122.0	1.8344
Sn 189.925	202.001	ppb	3.0823	1.5	126.044
Sr 216.596	857.951	ppb	3.1228	0.4	5439.77
Ti 334.941	1437.71	ppb	7.5194	0.5	301053
Tl 190.794	-10.5548	ppb	3.1773	30.1	-29.2645
V 292.401	578.783	ppb	1.9284	0.3	16357.6
Zn 206.200	4395.31	ppb	14.2030	0.3	13560.0

680-88811-b-22-dSD^5 (Samp) 4/3/2013, 3:08:29 AM Rack 3, Tube 40

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0292	ppb	0.2135	20.7	-12.8765
Al 308.215	20485.8	ppb	1602.89	7.8	57174.0
As 188.980	54.1575	ppb	10.1458	18.7	15.9916
B 249.678	17.0733	ppb	0.4841	2.8	-18.3220
Ba 389.178	297.289	ppb	23.6264	7.9	5046.21
Be 313.042	2.5848	ppb	0.2258	8.7	4213.34
Ca 370.602	101891	ppb	7725	7.6	368087
Cd 226.502	1.9976	ppb	1.2166	60.9	274.177
Co 228.615	19.0146	ppb	1.5145	8.0	154.235
Cr 267.716	122.938	ppb	9.7241	7.9	1953.19
Cu 324.754	171.038	ppb	15.3084	9.0	6113.27
Fe 271.441	94128.2	ppb	7477.45	7.9	70060.6
K 766.491	1664.37	ppb	135.081	8.1	219923
Mg 279.078	25153.3	ppb	1929.17	7.7	28637.0
Mn 257.610	2640.84	ppb	212.261	8.0	250443
Mo 202.032	2.6671	ppb	1.3791	51.7	2.1066
Na 330.237	374.153	ppb	87.1309	23.3	-18.1366
Ni 231.604	29.1266	ppb	3.5937	12.3	95.4583
Pb 220.353	558.254	ppb	48.4542	8.7	466.358
Sb 206.834	5.0312	ppb	5.4415	108.2	9.2463
Se 196.026	-7.9668	ppb	9.6786	121.5	0.0564
Sn 189.925	35.3854	ppb	2.2811	6.4	23.2511
Sr 216.596	178.904	ppb	15.1616	8.5	1137.71
Ti 334.941	296.264	ppb	23.5647	8.0	62105.7

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.1132	ppb	1.7024	1503.4	-6.3315
V 292.401	119.081	ppb	9.5119	8.0	3386.56
Zn 206.200	946.770	ppb	73.2674	7.7	2933.05

680-88811-b-22-dPDS (Samp) **4/3/2013, 3:13:58 AM** **Rack 3, Tube 41**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	50.2496	ppb	2.0814	4.1	1487.23
Al 308.215	104028	ppb	1597.45	1.5	289783
As 188.980	2231.70	ppb	43.2189	1.9	828.639
B 249.678	1011.29	ppb	12.5555	1.2	7808.65
Ba 389.178	3368.50	ppb	51.9518	1.5	56288.6
Be 313.042	61.3865	ppb	0.5367	0.9	93431.0
Ca 370.602	481206	ppb	5899	1.2	1740089
Cd 226.502	60.5720	ppb	1.7354	2.9	2300.06
Co 228.615	557.088	ppb	26.1503	4.7	4454.72
Cr 267.716	774.006	ppb	13.3847	1.7	12200.2
Cu 324.754	1109.91	ppb	13.3217	1.2	39154.3
Fe 271.441	433873	ppb	7005.17	1.6	322870
K 766.491	16251.2	ppb	269.756	1.7	2086944
Mg 279.078	124960	ppb	2056.26	1.6	142116
Mn 257.610	12360.5	ppb	145.840	1.2	1171187
Mo 202.032	500.882	ppb	6.3357	1.3	1684.84
Na 330.237	7120.85	ppb	124.085	1.7	254.008
Ni 231.604	594.791	ppb	7.5581	1.3	1765.01
Pb 220.353	3024.06	ppb	49.1812	1.6	2514.07
Sb 206.834	484.755	ppb	8.4171	1.7	332.426
Se 196.026	1927.04	ppb	13.5255	0.7	540.963
Sn 189.925	1113.57	ppb	19.5965	1.8	694.820
Sr 216.596	1300.34	ppb	10.7246	0.8	8094.42
Ti 334.941	2347.83	ppb	35.0257	1.5	491217
Tl 190.794	1808.55	ppb	27.0336	1.5	823.956
V 292.401	1041.36	ppb	14.6961	1.4	29261.1
Zn 206.200	4730.29	ppb	73.9889	1.6	14590.4

680-88811-b-22-e ms (Samp) **4/3/2013, 3:19:27 AM** **Rack 3, Tube 42**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	32.9476	ppb	0.5295	1.6	935.105
Al 308.215	105783	ppb	6.1587	0.0	294642
As 188.980	399.614	ppb	10.6809	2.7	142.560
B 249.678	225.211	ppb	1.1761	0.5	989.240
Ba 389.178	1470.45	ppb	4.2163	0.3	25022.3
Be 313.042	59.2663	ppb	0.1301	0.2	90033.1
Ca 370.602	310260	ppb	1077	0.3	1093020
Cd 226.502	63.7014	ppb	0.3693	0.6	2382.20
Co 228.615	128.152	ppb	1.3092	1.0	1045.66
Cr 267.716	727.397	ppb	2.0352	0.3	11448.7
Cu 324.754	927.436	ppb	7.7693	0.8	33033.2
Fe 271.441	439393	ppb	869.343	0.2	326954
K 766.491	13845.5	ppb	38.9731	0.3	1779398

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	146557	ppb	57.6204	0.0	166920
Mn 257.610	9019.25	ppb	14.3193	0.2	854942
Mo 202.032	117.889	ppb	0.6109	0.5	356.798
Na 330.237	6782.49	ppb	160.653	2.4	233.013
Ni 231.604	360.229	ppb	3.1836	0.9	1083.44
Pb 220.353	3050.36	ppb	11.3394	0.4	2536.49
Sb 206.834	464.831	ppb	15.1868	3.3	319.311
Se 196.026	121.650	ppb	16.5023	13.6	32.2082
Sn 189.925	1309.26	ppb	13.8669	1.1	817.375
Sr 216.596	380.572	ppb	2.2793	0.6	2520.14
Ti 334.941	1774.81	ppb	3.4541	0.2	371307
Tl 190.794	28.5330	ppb	15.4962	54.3	-8.7112
V 292.401	711.048	ppb	0.2617	0.0	20057.6
Zn 206.200	4503.75	ppb	16.0656	0.4	13894.0

680-88811-b-22-f msd (Samp) 4/3/2013, 3:24:55 AM Rack 3, Tube 43

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	32.9081	ppb	0.8546	2.6	962.209
Al 308.215	98414.9	ppb	701.964	0.7	274131
As 188.980	286.392	ppb	14.2304	5.0	96.9840
B 249.678	245.052	ppb	1.4775	0.6	1466.76
Ba 389.178	1849.94	ppb	14.8495	0.8	31253.3
Be 313.042	61.1088	ppb	0.4653	0.8	92714.2
Ca 370.602	532908	ppb	3932	0.7	1958363
Cd 226.502	66.8052	ppb	0.7635	1.1	2173.42
Co 228.615	119.186	ppb	0.5740	0.5	969.896
Cr 267.716	499.033	ppb	3.9057	0.8	7867.06
Cu 324.754	1079.39	ppb	16.3060	1.5	37870.2
Fe 271.441	306533	ppb	2260.50	0.7	228101
K 766.491	17916.1	ppb	124.036	0.7	2300546
Mg 279.078	214312	ppb	1512.09	0.7	245244
Mn 257.610	9750.57	ppb	73.3088	0.8	924189
Mo 202.032	111.893	ppb	0.4313	0.4	353.669
Na 330.237	7252.31	ppb	90.4043	1.2	327.820
Ni 231.604	262.021	ppb	1.3135	0.5	792.489
Pb 220.353	3113.84	ppb	19.7274	0.6	2591.25
Sb 206.834	55.4001	ppb	1.9718	3.6	51.9044
Se 196.026	113.303	ppb	21.0213	18.6	33.8818
Sn 189.925	433.188	ppb	1.9686	0.5	270.069
Sr 216.596	648.587	ppb	6.7493	1.0	4098.19
Ti 334.941	1569.36	ppb	11.1360	0.7	328599
Tl 190.794	22.5810	ppb	3.4159	15.1	-8.3936
V 292.401	448.798	ppb	3.1395	0.7	12661.7
Zn 206.200	4790.91	ppb	33.1656	0.7	14778.0

680-88811-b-23-b (Samp) 4/3/2013, 3:30:24 AM Rack 3, Tube 44

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.4289b	ppb	0.6256	14.1	147.816
Al 308.215	98786.1b	ppb	154.237	0.2	275164

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	139.022b	ppb	8.0995	5.8	43.1093
B 249.678	139.786b	ppb	0.7715	0.6	-298.159
Ba 389.178	1368.08b	ppb	2.8917	0.2	23848.3
Be 313.042	10.5475b	ppb	0.0260	0.2	16875.7
Ca 370.602	544455b	ppb	1398	0.3	1936034
Cd 226.502	17.5900b	ppb	0.2742	1.6	1850.06
Co 228.615	67.2124b	ppb	0.3000	0.4	593.702
Cr 267.716	9684.96b	ppb	30.5291	0.3	154758
Cu 324.754	1007.26b	ppb	9.9636	1.0	35378.6
Fe 271.441	677496b	ppb	1575.30	0.2	504093
K 766.491	11073.8b	ppb	21.4855	0.2	1424491
Mg 279.078	266991b	ppb	346.247	0.1	304401
Mn 257.610	52101.9xb	ppb	993.291	1.9	4933859
Mo 202.032	29.2694b	ppb	0.8713	3.0	17.8432
Na 330.237	1978.50b	ppb	86.7707	4.4	-202.526
Ni 231.604	157.597b	ppb	3.5962	2.3	513.125
Pb 220.353	2246.37b	ppb	9.2774	0.4	1856.65
Sb 206.834	-40.5334b	ppb	2.1956	5.4	82.4005
Se 196.026	35.9272b	ppb	19.9114	55.4	12.9535
Sn 189.925	153.235b	ppb	4.6946	3.1	95.9214
Sr 216.596	457.483b	ppb	1.7618	0.4	3118.10
Ti 334.941	3287.18b	ppb	6.8743	0.2	688070
Tl 190.794	6.5493b	ppb	5.2663	80.4	-29.7486
V 292.401	1096.63b	ppb	1.8429	0.2	30371.1
Zn 206.200	4389.44b	ppb	5.6440	0.1	13517.4

680-88811-b-27-b (Samp)

4/3/2013, 3:35:53 AM

Rack 3, Tube 45

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	5.1421	ppb	1.1750	22.9	72.7112
Al 308.215	93491.3	ppb	8259.76	8.8	260393
As 188.980	171.735	ppb	4.4559	2.6	59.2818
B 249.678	112.537	ppb	3.1306	2.8	-177.070
Ba 389.178	1298.83	ppb	112.310	8.6	22094.9
Be 313.042	7.3071	ppb	0.6844	9.4	11459.3
Ca 370.602	132969	ppb	8796	6.6	408197
Cd 226.502	19.4109	ppb	5.4030	27.8	1564.26
Co 228.615	76.4626	ppb	6.6944	8.8	636.249
Cr 267.716	490.854	ppb	41.2476	8.4	7624.64
Cu 324.754	1682.54	ppb	117.037	7.0	60842.9
Fe 271.441	522432	ppb	44857.0	8.6	388731
K 766.491	7912.66	ppb	506.783	6.4	1019739
Mg 279.078	43409.4	ppb	3584.28	8.3	48092.7
Mn 257.610	12642.5	ppb	1035.77	8.2	1197771
Mo 202.032	48.8683	ppb	4.6604	9.5	107.255
Na 330.237	2954.24	ppb	257.485	8.7	-39.4549
Ni 231.604	258.735	ppb	23.2535	9.0	789.478
Pb 220.353	3877.01	ppb	325.492	8.4	3228.23
Sb 206.834	85.1441	ppb	11.9042	14.0	72.2485
Se 196.026	23.1058	ppb	5.5966	24.2	2.2341
Sn 189.925	714.937	ppb	57.5580	8.1	447.375
Sr 216.596	246.923	ppb	23.2139	9.4	1744.11
Ti 334.941	1679.27	ppb	145.217	8.6	351137

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-12.4410	ppb	9.6462	77.5	-30.0377
V 292.401	332.920	ppb	29.0382	8.7	9451.96
Zn 206.200	13784.7	ppb	1144.19	8.3	42466.3

680-88811-b-30-b (Samp) 4/3/2013, 3:41:22 AM Rack 3, Tube 46

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.7966	ppb	0.3691	20.5	9.6147
Al 308.215	106801	ppb	150.478	0.1	297476
As 188.980	184.486	ppb	7.9996	4.3	65.1773
B 249.678	63.5186	ppb	0.2626	0.4	-135.453
Ba 389.178	3513.97	ppb	5.9100	0.2	58347.9
Be 313.042	8.9788	ppb	0.0186	0.2	14055.6
Ca 370.602	76053	ppb	116.7	0.2	229827
Cd 226.502	15.9907	ppb	0.2536	1.6	1065.80
Co 228.615	108.626	ppb	1.1403	1.0	887.906
Cr 267.716	660.613	ppb	1.4224	0.2	10450.0
Cu 324.754	574.976	ppb	3.7817	0.7	20870.8
Fe 271.441	320332	ppb	406.362	0.1	238367
K 766.491	8792.33	ppb	17.5463	0.2	1131792
Mg 279.078	13390.1	ppb	20.5499	0.2	14306.0
Mn 257.610	13258.9	ppb	26.0138	0.2	1255817
Mo 202.032	20.5016	ppb	1.8736	9.1	35.0146
Na 330.237	1850.07	ppb	60.1843	3.3	-25.4680
Ni 231.604	127.661	ppb	1.6306	1.3	395.079
Pb 220.353	3609.89	ppb	1.4805	0.0	3004.72
Sb 206.834	16.5249	ppb	4.5556	27.6	24.8497
Se 196.026	7.0065	ppb	17.0159	242.9	1.7381
Sn 189.925	114.992	ppb	5.4071	4.7	73.3394
Sr 216.596	366.114	ppb	0.8205	0.2	2376.98
Ti 334.941	1498.41	ppb	1.9134	0.1	313295
Tl 190.794	-6.9696	ppb	8.0751	115.9	-18.4813
V 292.401	481.903	ppb	0.7143	0.1	13597.7
Zn 206.200	7701.21	ppb	7.3185	0.1	23730.8

680-88811-b-34-b (Samp) 4/3/2013, 3:46:50 AM Rack 3, Tube 47

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	146.802	ppb	5.6490	3.8	4461.46
Al 308.215	136014	ppb	7022.68	5.2	378773
As 188.980	212.418	ppb	10.5174	5.0	75.0532
B 249.678	94.0175	ppb	3.3610	3.6	-572.949
Ba 389.178	2499.07	ppb	98.6381	3.9	41983.7
Be 313.042	13.7391	ppb	0.5398	3.9	21181.0
Ca 370.602	87933	ppb	2242	2.5	219422
Cd 226.502	66.2979	ppb	5.3614	8.1	2829.43
Co 228.615	126.041	ppb	4.3018	3.4	1022.14
Cr 267.716	723.744	ppb	27.8176	3.8	11298.8
Cu 324.754	5768.20	ppb	275.578	4.8	208687
Fe 271.441	624958	ppb	24883.7	4.0	465015
K 766.491	10412.4	ppb	390.109	3.7	1339505

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	27703.8	ppb	1019.99	3.7	29681.7
Mn 257.610	14406.7	ppb	562.482	3.9	1364842
Mo 202.032	139.038	ppb	4.5452	3.3	407.003
Na 330.237	2279.06	ppb	161.461	7.1	-133.256
Ni 231.604	802.255	ppb	32.7085	4.1	2375.43
Pb 220.353	3168.28	ppb	114.152	3.6	2630.67
Sb 206.834	58.3520	ppb	11.0700	19.0	60.3323
Se 196.026	26.9346	ppb	19.0990	70.9	1.4154
Sn 189.925	532.850	ppb	18.9009	3.5	333.844
Sr 216.596	436.019	ppb	16.1753	3.7	2914.13
Ti 334.941	1045.11	ppb	40.8419	3.9	218600
Tl 190.794	-6.5113	ppb	1.2277	18.9	-31.9276
V 292.401	411.363	ppb	16.0074	3.9	11635.8
Zn 206.200	9902.95	ppb	380.707	3.8	30516.9

680-88811-a-39-a (Samp)

4/3/2013, 3:52:19 AM

Rack 3, Tube 48

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.2961	ppb	1.1022	25.7	77.2283
Al 308.215	108113	ppb	148.864	0.1	301115
As 188.980	234.425	ppb	6.0840	2.6	80.3547
B 249.678	80.0499	ppb	1.1929	1.5	-253.865
Ba 389.178	1874.42	ppb	1.0467	0.1	31570.8
Be 313.042	12.6694	ppb	0.0096	0.1	19656.6
Ca 370.602	318618	ppb	342.3	0.1	1125779
Cd 226.502	19.8318	ppb	0.1221	0.6	1389.80
Co 228.615	97.6811	ppb	0.2840	0.3	804.064
Cr 267.716	578.965	ppb	0.8542	0.1	9085.97
Cu 324.754	1146.23	ppb	3.3058	0.3	40915.1
Fe 271.441	433986	ppb	62.0489	0.0	322927
K 766.491	10369.2	ppb	4.4206	0.0	1334149
Mg 279.078	88426.5	ppb	149.374	0.2	100128
Mn 257.610	16039.3	ppb	19.0492	0.1	1519334
Mo 202.032	23.3014	ppb	1.8859	8.1	30.0810
Na 330.237	2191.70	ppb	212.844	9.7	-60.8816
Ni 231.604	168.879	ppb	1.0310	0.6	524.573
Pb 220.353	2971.95	ppb	12.6416	0.4	2471.04
Sb 206.834	15.4144	ppb	6.6452	43.1	27.9997
Se 196.026	11.0212	ppb	14.3524	130.2	2.2597
Sn 189.925	281.412	ppb	7.7551	2.8	176.271
Sr 216.596	465.683	ppb	2.3563	0.5	3043.39
Ti 334.941	1665.12	ppb	1.3692	0.1	348385
Tl 190.794	-0.0874	ppb	7.7230	8834.9	-22.2962
V 292.401	442.145	ppb	0.6209	0.1	12502.8
Zn 206.200	5663.50	ppb	8.6241	0.2	17463.0

Cont Calib Verif (CCV)

4/3/2013, 3:57:48 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	496.053	ppb	5.3439	1.1	15375.1	99.21062
Al 308.215	5028.81	ppb	60.6304	1.2	14398.2	100.57613

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
As 188.980	485.138	ppb	8.1815	1.7	180.241	97.02751
B 249.678	509.036	ppb	6.7537	1.3	4448.23	20.36146Q
Ba 389.178	4876.09	ppb	55.1400	1.1	80463.3	97.52188
Be 313.042	487.142	ppb	6.2872	1.3	737315	97.42841
Ca 370.602	5042	ppb	48.43	1.0	18498	100.83959
Cd 226.502	477.930	ppb	5.7942	1.2	10726.0	95.58599
Co 228.615	488.475	ppb	5.4333	1.1	3879.25	97.69498
Cr 267.716	4893.36	ppb	58.5015	1.2	78330.7	97.86716
Cu 324.754	4817.97	ppb	78.8898	1.6	174223	96.35934
Fe 271.441	4997.42	ppb	56.3601	1.1	3804.44	99.94841
K 766.491	9992.43	ppb	83.5001	0.8	1285109	99.92429
Mg 279.078	4922.87	ppb	45.5994	0.9	5698.73	98.45737
Mn 257.610	5048.78	ppb	58.4574	1.2	478239	100.97551
Mo 202.032	502.650	ppb	9.2774	1.8	1737.94	100.53005
Na 330.237	7408.33	ppb	192.003	2.6	482.824	98.77767
Ni 231.604	2437.85	ppb	27.4823	1.1	7095.72	97.51395
Pb 220.353	494.829	ppb	5.2537	1.1	410.644	98.96571
Sb 206.834	932.149	ppb	17.6363	1.9	640.285	37.28597Q
Se 196.026	4794.20	ppb	58.8036	1.2	1352.04	95.88392
Sn 189.925	4921.99	ppb	64.7798	1.3	3071.30	98.43976
Sr 216.596	2442.92	ppb	25.7437	1.1	14737.4	97.71696
Ti 334.941	500.800	ppb	5.9081	1.2	105026	100.15996
Tl 190.794	4985.93	ppb	56.2158	1.1	2337.36	99.71854
V 292.401	4988.25	ppb	60.5194	1.2	140021	99.76497
Zn 206.200	2419.44	ppb	27.8923	1.2	7445.72	96.77772

Cont Calib Blank (CCB)

4/3/2013, 4:03:16 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	0.2680	ppb	0.3738	139.5	-29.0194	0.26802
Al 308.215	-39.6058	ppb	0.8966	2.3	33.7185	-39.60583
As 188.980	-1.0232	ppb	5.7076	557.8	-3.2177	-1.02319
B 249.678	0.0435	ppb	1.0384	2389.0	50.6413	0.04347
Ba 389.178	-0.6748	ppb	0.6060	89.8	-24.1341	-0.67481
Be 313.042	-0.1901	ppb	0.0089	4.7	-65.4500	-0.19010
Ca 370.602	-49.24	ppb	0.5635	1.1	-77.34	-49.23766
Cd 226.502	-0.7438	ppb	0.1205	16.2	14.3860	-0.74384
Co 228.615	-0.6787	ppb	0.3099	45.7	-7.9401	-0.67865
Cr 267.716	-1.4205	ppb	0.0386	2.7	10.3933	-1.42050
Cu 324.754	-1.3863	ppb	0.1910	13.8	117.933	-1.38630
Fe 271.441	-42.4484	ppb	4.5696	10.8	-6.0152	-42.44844Z
K 766.491	-35.6665	ppb	0.2035	0.6	2314.28	-35.66646
Mg 279.078	-38.0722	ppb	2.3617	6.2	24.7827	-38.07220
Mn 257.610	-2.3762	ppb	0.0771	3.2	57.5048	-2.37617
Mo 202.032	0.1683	ppb	0.1437	85.4	5.6228	0.16831
Na 330.237	-78.0900	ppb	42.3593	54.2	-2.9430	-78.08999
Ni 231.604	-1.5720	ppb	0.6498	41.3	-0.3978	-1.57205
Pb 220.353	-1.5685	ppb	3.5380	225.6	1.5250	-1.56846
Sb 206.834	1.7732	ppb	0.6096	34.4	3.2830	1.77321
Se 196.026	-12.8706	ppb	7.3776	57.3	-0.4117	-12.87062Z
Sn 189.925	-4.2893	ppb	3.7633	87.7	-1.1967	-4.28931
Sr 216.596	-1.8396	ppb	0.3241	17.6	-7.5045	-1.83958
Ti 334.941	-0.5266	ppb	0.0321	6.1	25.3997	-0.52656

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Tl 190.794	2.2051	ppb	3.2015	145.2	-0.5730	2.20510
V 292.401	-0.5710	ppb	0.3550	62.2	10.2286	-0.57103
Zn 206.200	-3.3615	ppb	0.9857	29.3	5.2493	-3.36148

680-88811-a-40-a (Samp)

4/3/2013, 4:08:45 AM

Rack 3, Tube 51

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3291	ppb	0.2477	7.4	40.8984
Al 308.215	98383.4	ppb	91.3241	0.1	274034
As 188.980	213.380	ppb	9.8455	4.6	72.5631
B 249.678	78.0464	ppb	0.2831	0.4	-233.367
Ba 389.178	1622.10	ppb	0.5667	0.0	27406.0
Be 313.042	11.4540	ppb	0.0211	0.2	17886.8
Ca 370.602	311852	ppb	196.6	0.1	1103151
Cd 226.502	16.8934	ppb	0.0776	0.5	1289.00
Co 228.615	89.1360	ppb	1.2010	1.3	735.643
Cr 267.716	568.043	ppb	1.0435	0.2	8916.55
Cu 324.754	1056.69	ppb	3.1158	0.3	37688.5
Fe 271.441	417243	ppb	487.151	0.1	310471
K 766.491	9358.98	ppb	5.7600	0.1	1204856
Mg 279.078	97326.0	ppb	113.510	0.1	110416
Mn 257.610	13851.1	ppb	16.5545	0.1	1312194
Mo 202.032	22.7719	ppb	0.7807	3.4	30.0559
Na 330.237	2036.87	ppb	27.4552	1.3	-63.7875
Ni 231.604	161.431	ppb	2.6050	1.6	502.254
Pb 220.353	2956.81	ppb	1.9796	0.1	2459.56
Sb 206.834	29.8638	ppb	5.9968	20.1	36.5719
Se 196.026	4.4788	ppb	11.9847	267.6	0.3412
Sn 189.925	346.059	ppb	0.8290	0.2	216.610
Sr 216.596	407.570	ppb	0.6712	0.2	2682.64
Ti 334.941	1653.56	ppb	2.4720	0.1	345960
Tl 190.794	-2.5657	ppb	0.8216	32.0	-22.4968
V 292.401	551.084	ppb	1.1060	0.2	15571.0
Zn 206.200	5274.10	ppb	3.5049	0.1	16264.1

680-88811-a-41-a (Samp)

4/3/2013, 4:14:14 AM

Rack 3, Tube 52

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	11.5124b	ppb	0.4027	3.5	340.324
Al 308.215	134380b	ppb	91.7454	0.1	374241
As 188.980	272.345b	ppb	11.8595	4.4	97.2696
B 249.678	115.626b	ppb	0.3301	0.3	-52.3473
Ba 389.178	4642.11b	ppb	4.7378	0.1	77164.6
Be 313.042	14.1636b	ppb	0.0081	0.1	21870.2
Ca 370.602	126007b	ppb	54.43	0.0	389935
Cd 226.502	47.1639b	ppb	0.5369	1.1	2099.21
Co 228.615	143.641b	ppb	0.5576	0.4	1169.65
Cr 267.716	651.303b	ppb	1.2376	0.2	10232.0
Cu 324.754	1909.20b	ppb	13.9609	0.7	69032.3
Fe 271.441	480401b	ppb	285.281	0.1	357464
K 766.491	16691.5b	ppb	10.6047	0.1	2142978

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	26064.8b	ppb	9.5713	0.0	28284.9
Mn 257.610	26910.5b	ppb	23.2591	0.1	2548331
Mo 202.032	71.1578b	ppb	2.4555	3.5	190.265
Na 330.237	3335.07b	ppb	189.601	5.7	0.0122
Ni 231.604	307.427b	ppb	2.8979	0.9	927.846
Pb 220.353	14340.9b	ppb	8.3154	0.1	11965.6
Sb 206.834	41.8151b	ppb	3.0749	7.4	45.3437
Se 196.026	26.6784b	ppb	9.8696	37.0	6.9043
Sn 189.925	225.725b	ppb	3.5821	1.6	142.265
Sr 216.596	748.348b	ppb	3.7306	0.5	4767.19
Ti 334.941	1599.29b	ppb	1.8464	0.1	334429
Tl 190.794	-7.8152b	ppb	8.9637	114.7	-26.2838
V 292.401	476.838b	ppb	0.0187	0.0	13450.2
Zn 206.200	10350.5b	ppb	11.4660	0.1	31891.3

680-88811-a-42-a (Samp)

4/3/2013, 4:19:43 AM

Rack 3, Tube 53

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	3.3236	ppb	0.6911	20.8	48.4712
Al 308.215	112096	ppb	83.9984	0.1	312213
As 188.980	197.402	ppb	2.3748	1.2	69.4813
B 249.678	71.5551	ppb	0.6333	0.9	-144.937
Ba 389.178	4993.34	ppb	2.4913	0.0	82803.4
Be 313.042	10.5315	ppb	0.0163	0.2	16379.8
Ca 370.602	106675	ppb	60.29	0.1	339282
Cd 226.502	21.0563	ppb	0.0972	0.5	1251.11
Co 228.615	100.437	ppb	0.5088	0.5	823.873
Cr 267.716	466.926	ppb	0.5020	0.1	7330.67
Cu 324.754	734.148	ppb	1.9527	0.3	26558.6
Fe 271.441	354583	ppb	188.807	0.1	263850
K 766.491	9566.23	ppb	17.5424	0.2	1230491
Mg 279.078	20824.8	ppb	33.0059	0.2	22730.0
Mn 257.610	12573.3	ppb	8.4609	0.1	1190975
Mo 202.032	22.1146	ppb	0.6010	2.7	36.3047
Na 330.237	2617.10	ppb	158.264	6.0	11.6728
Ni 231.604	298.571	ppb	0.1031	0.0	894.394
Pb 220.353	4175.40	ppb	10.4999	0.3	3476.56
Sb 206.834	11.4786	ppb	3.4760	30.3	20.9171
Se 196.026	-2.4365	ppb	4.2072	172.7	-1.6075
Sn 189.925	151.489	ppb	3.1629	2.1	95.9876
Sr 216.596	455.645	ppb	1.6778	0.4	2931.67
Ti 334.941	1482.94	ppb	2.7833	0.2	310086
Tl 190.794	1.2953	ppb	7.4919	578.4	-16.4658
V 292.401	441.358	ppb	0.3542	0.1	12476.1
Zn 206.200	9595.89	ppb	2.7910	0.0	29565.7

680-88811-a-43-a (Samp)

4/3/2013, 4:25:11 AM

Rack 3, Tube 54

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	6.4352	ppb	0.4072	6.3	122.574
Al 308.215	72002.6	ppb	79.5415	0.1	200580

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	113.196	ppb	7.6904	6.8	37.2481
B 249.678	74.3947	ppb	0.5615	0.8	-98.7213
Ba 389.178	939.709	ppb	1.1943	0.1	15954.3
Be 313.042	4.7793	ppb	0.0063	0.1	7583.32
Ca 370.602	142322	ppb	71.07	0.0	475516
Cd 226.502	19.6098	ppb	0.3707	1.9	1195.79
Co 228.615	67.5535	ppb	0.7548	1.1	551.185
Cr 267.716	484.611	ppb	0.9033	0.2	7612.98
Cu 324.754	1752.98	ppb	9.3764	0.5	63294.4
Fe 271.441	344853	ppb	377.584	0.1	256607
K 766.491	6573.91	ppb	3.9606	0.1	848413
Mg 279.078	36804.9	ppb	54.8247	0.1	41137.7
Mn 257.610	6786.56	ppb	11.4404	0.2	643203
Mo 202.032	54.7737	ppb	2.6758	4.9	150.721
Na 330.237	2685.73	ppb	92.5894	3.4	31.5729
Ni 231.604	850.008	ppb	2.2447	0.3	2497.85
Pb 220.353	5951.01	ppb	11.8397	0.2	4964.19
Sb 206.834	26.7719	ppb	7.9275	29.6	31.6221
Se 196.026	16.8189	ppb	17.4126	103.5	2.9588
Sn 189.925	474.511	ppb	3.3363	0.7	297.157
Sr 216.596	251.002	ppb	0.6302	0.3	1663.34
Ti 334.941	867.004	ppb	1.5517	0.2	181427
Tl 190.794	-1.7238	ppb	5.6113	325.5	-18.1232
V 292.401	215.768	ppb	0.2853	0.1	6121.61
Zn 206.200	13535.5	ppb	8.6584	0.1	41694.8

680-88811-b-45-b (Samp)

4/3/2013, 4:30:40 AM

Rack 3, Tube 55

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	4.5219	ppb	0.1049	2.3	103.020
Al 308.215	72771.4	ppb	114.959	0.2	202732
As 188.980	208.034	ppb	11.8062	5.7	73.7380
B 249.678	59.5440	ppb	0.3787	0.6	-137.885
Ba 389.178	3316.81	ppb	7.8510	0.2	55076.9
Be 313.042	8.8348	ppb	0.0220	0.2	13786.0
Ca 370.602	91535	ppb	102.4	0.1	290889
Cd 226.502	8.5586	ppb	0.0878	1.0	868.082
Co 228.615	88.1932	ppb	0.6751	0.8	723.800
Cr 267.716	300.124	ppb	1.0913	0.4	4688.85
Cu 324.754	511.169	ppb	2.7846	0.5	18518.4
Fe 271.441	306293	ppb	583.851	0.2	227921
K 766.491	7081.49	ppb	8.7306	0.1	912770
Mg 279.078	12539.0	ppb	34.1981	0.3	13375.6
Mn 257.610	14252.9	ppb	14.9153	0.1	1349893
Mo 202.032	16.7456	ppb	1.3650	8.2	23.5470
Na 330.237	1286.35	ppb	200.575	15.6	-61.0667
Ni 231.604	134.573	ppb	2.1542	1.6	414.304
Pb 220.353	1722.79	ppb	3.0252	0.2	1432.25
Sb 206.834	7.8395	ppb	3.5719	45.6	15.8648
Se 196.026	18.1770	ppb	14.5930	80.3	5.2931
Sn 189.925	125.223	ppb	1.9221	1.5	79.6339
Sr 216.596	450.807	ppb	0.6015	0.1	2884.62
Ti 334.941	1399.73	ppb	2.2601	0.2	292671

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	0.1635	ppb	11.0743	6775.2	-14.5376
V 292.401	388.054	ppb	0.5905	0.2	10973.2
Zn 206.200	3935.67	ppb	3.1593	0.1	12139.0

680-88811-b-64-b (Samp) 4/3/2013, 4:36:09 AM Rack 3, Tube 56

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	1.0659	ppb	1.0916	102.4	-36.9788
Al 308.215	102778	ppb	95.8407	0.1	286270
As 188.980	124.102	ppb	11.7417	9.5	41.4940
B 249.678	69.9933	ppb	1.4693	2.1	-262.267
Ba 389.178	1733.75	ppb	2.1923	0.1	29132.3
Be 313.042	14.2935	ppb	0.0137	0.1	22128.2
Ca 370.602	135432	ppb	32.27	0.0	439653
Cd 226.502	10.9990	ppb	0.1822	1.7	1119.74
Co 228.615	68.8304	ppb	1.1695	1.7	562.748
Cr 267.716	378.829	ppb	1.4073	0.4	5892.34
Cu 324.754	440.697	ppb	2.9314	0.7	15897.2
Fe 271.441	399447	ppb	511.139	0.1	297230
K 766.491	7446.64	ppb	1.4595	0.0	959951
Mg 279.078	45842.3	ppb	96.6368	0.2	51324.2
Mn 257.610	10316.8	ppb	19.8506	0.2	977472
Mo 202.032	10.0077	ppb	0.8745	8.7	-11.8404
Na 330.237	1459.52	ppb	171.826	11.8	-88.7452
Ni 231.604	111.144	ppb	0.0838	0.1	353.047
Pb 220.353	1824.98	ppb	14.5195	0.8	1513.83
Sb 206.834	2.0119	ppb	7.2920	362.4	16.4518
Se 196.026	13.6112	ppb	17.6713	129.8	1.7382
Sn 189.925	77.0962	ppb	10.0317	13.0	49.3236
Sr 216.596	356.575	ppb	1.3001	0.4	2359.65
Ti 334.941	817.586	ppb	1.6952	0.2	171095
Tl 190.794	-2.9044	ppb	3.3347	114.8	-20.8371
V 292.401	559.387	ppb	0.2483	0.0	15814.2
Zn 206.200	4248.00	ppb	6.7480	0.2	13103.6

680-88811-b-74-b (Samp) 4/3/2013, 4:41:37 AM Rack 3, Tube 57

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-1.6901	ppb	0.9959	58.9	-74.7781
Al 308.215	86885.4	ppb	83.8069	0.1	242029
As 188.980	121.448	ppb	6.4196	5.3	35.2859
B 249.678	74.4947	ppb	1.5406	2.1	-126.639
Ba 389.178	3056.76	ppb	4.6233	0.2	51354.5
Be 313.042	10.1705	ppb	0.0138	0.1	16008.0
Ca 370.602	507563	ppb	1689	0.3	1853490
Cd 226.502	9.7714	ppb	0.0442	0.5	1006.25
Co 228.615	124.836	ppb	0.2905	0.2	1011.85
Cr 267.716	361.943	ppb	1.4783	0.4	5656.43
Cu 324.754	336.961	ppb	2.8386	0.8	11132.6
Fe 271.441	357898	ppb	780.350	0.2	266319
K 766.491	7190.77	ppb	6.5876	0.1	926822

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	288926	ppb	378.693	0.1	330784
Mn 257.610	20130.4	ppb	54.7197	0.3	1907011
Mo 202.032	9.0797	ppb	0.5215	5.7	-9.8932
Na 330.237	1565.63	ppb	116.689	7.5	-64.1291
Ni 231.604	92.9002	ppb	4.2611	4.6	306.580
Pb 220.353	2374.29	ppb	6.6011	0.3	1974.68
Sb 206.834	8.5233	ppb	8.3512	98.0	22.4347
Se 196.026	15.7506	ppb	15.7934	100.3	7.7300
Sn 189.925	60.6276	ppb	6.1556	10.2	37.7063
Sr 216.596	397.650	ppb	1.4951	0.4	2606.04
Ti 334.941	1122.41	ppb	2.6871	0.2	235185
Tl 190.794	-6.8717	ppb	2.4460	35.6	-24.0204
V 292.401	567.974	ppb	1.1315	0.2	16035.0
Zn 206.200	4524.02	ppb	2.6298	0.1	13960.6

680-88811-b-78-b (Samp)

4/3/2013, 4:47:06 AM

Rack 3, Tube 58

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.3723	ppb	1.0284	276.2	-80.6389
Al 308.215	123081	ppb	85.1808	0.1	342784
As 188.980	131.535	ppb	9.7167	7.4	44.0670
B 249.678	83.9003	ppb	0.5387	0.6	-313.220
Ba 389.178	2321.53	ppb	3.8518	0.2	38917.2
Be 313.042	14.8669	ppb	0.0253	0.2	22951.1
Ca 370.602	144623	ppb	199.1	0.1	460974
Cd 226.502	14.0305	ppb	0.2596	1.9	1345.13
Co 228.615	105.356	ppb	1.6548	1.6	860.739
Cr 267.716	443.776	ppb	1.6921	0.4	6897.48
Cu 324.754	580.871	ppb	1.5136	0.3	20971.3
Fe 271.441	474060	ppb	709.481	0.1	352744
K 766.491	12158.0	ppb	3.5103	0.0	1563086
Mg 279.078	47686.4	ppb	53.0806	0.1	53174.0
Mn 257.610	14151.2	ppb	17.4277	0.1	1340540
Mo 202.032	18.9958	ppb	1.0579	5.6	10.0216
Na 330.237	1796.29	ppb	90.5039	5.0	-102.783
Ni 231.604	198.594	ppb	1.3705	0.7	611.863
Pb 220.353	2274.50	ppb	6.8080	0.3	1886.71
Sb 206.834	9.0862	ppb	10.5359	116.0	22.9532
Se 196.026	2.9437	ppb	7.0326	238.9	-1.9683
Sn 189.925	92.2899	ppb	2.5023	2.7	58.8963
Sr 216.596	470.073	ppb	1.9318	0.4	3081.19
Ti 334.941	1290.23	ppb	2.2207	0.2	269865
Tl 190.794	-4.0562	ppb	13.0107	320.8	-24.5268
V 292.401	487.173	ppb	0.7979	0.2	13786.8
Zn 206.200	5704.31	ppb	4.1302	0.1	17588.7

680-88811-a-85-a (Samp)

4/3/2013, 4:52:35 AM

Rack 3, Tube 59

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.7157	ppb	0.5689	20.9	46.3515
Al 308.215	100685	ppb	524.738	0.5	280440

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	157.466	ppb	3.9846	2.5	53.3323
B 249.678	102.678	ppb	0.8685	0.8	149.235
Ba 389.178	3519.46	ppb	13.0823	0.4	58540.0
Be 313.042	10.9600	ppb	0.0331	0.3	16979.9
Ca 370.602	189233	ppb	476.3	0.3	653232
Cd 226.502	24.4543	ppb	0.3189	1.3	1303.68
Co 228.615	88.5979	ppb	1.1795	1.3	722.793
Cr 267.716	428.073	ppb	1.4128	0.3	6718.83
Cu 324.754	768.227	ppb	2.2386	0.3	27567.4
Fe 271.441	343517	ppb	975.220	0.3	255616
K 766.491	9767.49	ppb	24.9733	0.3	1256658
Mg 279.078	54749.9	ppb	365.123	0.7	61747.0
Mn 257.610	15659.5	ppb	39.8259	0.3	1483184
Mo 202.032	26.2568	ppb	0.4441	1.7	52.1457
Na 330.237	2616.41	ppb	55.6174	2.1	18.4510
Ni 231.604	180.495	ppb	2.0366	1.1	551.659
Pb 220.353	3752.11	ppb	14.6015	0.4	3124.27
Sb 206.834	44.8635	ppb	7.2662	16.2	43.3098
Se 196.026	23.6857	ppb	15.9497	67.3	6.9965
Sn 189.925	290.936	ppb	7.1966	2.5	182.534
Sr 216.596	568.926	ppb	4.6515	0.8	3622.03
Ti 334.941	1052.08	ppb	2.3815	0.2	220146
Tl 190.794	-9.3093	ppb	5.4469	58.5	-22.0598
V 292.401	330.118	ppb	1.3909	0.4	9334.45
Zn 206.200	8752.60	ppb	25.2075	0.3	26970.5

680-88811-a-86-a (Samp)

4/3/2013, 4:58:03 AM

Rack 3, Tube 60

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	-0.6901	ppb	1.5308	221.8	-84.9486
Al 308.215	69844.8	ppb	425.929	0.6	194584
As 188.980	104.665	ppb	6.8467	6.5	31.2297
B 249.678	55.7287	ppb	0.7251	1.3	-238.514
Ba 389.178	1596.66	ppb	8.4111	0.5	27059.1
Be 313.042	7.6832	ppb	0.0426	0.6	12146.6
Ca 370.602	350183	ppb	1611	0.5	1262619
Cd 226.502	7.3359	ppb	0.3231	4.4	903.068
Co 228.615	69.9837	ppb	0.8013	1.1	572.420
Cr 267.716	368.893	ppb	2.5731	0.7	5767.40
Cu 324.754	368.330	ppb	3.0258	0.8	12680.5
Fe 271.441	335229	ppb	1867.00	0.6	249449
K 766.491	5689.14	ppb	35.0411	0.6	734934
Mg 279.078	189078	ppb	1069.08	0.6	216145
Mn 257.610	9463.53	ppb	46.1056	0.5	896977
Mo 202.032	10.3087	ppb	0.4356	4.2	-2.7067
Na 330.237	1469.37	ppb	134.471	9.2	-58.5672
Ni 231.604	94.2919	ppb	2.7834	3.0	305.548
Pb 220.353	6055.09	ppb	28.0122	0.5	5051.62
Sb 206.834	-4.5643	ppb	2.4026	52.6	12.3450
Se 196.026	25.2759	ppb	7.1145	28.1	7.6325
Sn 189.925	82.9706	ppb	2.3111	2.8	52.1883
Sr 216.596	287.289	ppb	3.4024	1.2	1918.17
Ti 334.941	933.191	ppb	5.0785	0.5	195478

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-12.0195	ppb	5.5750	46.4	-24.1645
V 292.401	441.404	ppb	2.9721	0.7	12485.2
Zn 206.200	4508.29	ppb	30.8559	0.7	13908.2

Cont Calib Verif (CCV) 4/3/2013, 5:03:33 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	485.797	ppb	4.0985	0.8	15056.5	97.15932
Al 308.215	4968.71	ppb	37.5774	0.8	14227.4	99.37415
As 188.980	477.697	ppb	4.1385	0.9	177.434	95.53930
B 249.678	502.511	ppb	7.4482	1.5	4391.93	20.10042Q
Ba 389.178	4812.60	ppb	46.5480	1.0	79415.4	96.25205
Be 313.042	480.498	ppb	5.3075	1.1	727263	96.09961
Ca 370.602	4968	ppb	44.62	0.9	18235	99.36896
Cd 226.502	470.668	ppb	5.3363	1.1	10563.4	94.13356
Co 228.615	482.539	ppb	4.1700	0.9	3832.08	96.50780
Cr 267.716	4824.19	ppb	56.2951	1.2	77224.0	96.48388
Cu 324.754	4730.17	ppb	65.0255	1.4	171050	94.60337
Fe 271.441	4904.27	ppb	50.0889	1.0	3734.33	98.08549
K 766.491	9886.55	ppb	78.8559	0.8	1271568	98.86555
Mg 279.078	4876.64	ppb	45.8753	0.9	5646.08	97.53278
Mn 257.610	4978.21	ppb	53.2355	1.1	471558	99.56420
Mo 202.032	493.702	ppb	3.8535	0.8	1707.05	98.74031
Na 330.237	7391.26	ppb	71.7292	1.0	481.765	98.55010
Ni 231.604	2405.10	ppb	22.6411	0.9	7000.45	96.20399
Pb 220.353	490.062	ppb	7.5623	1.5	406.740	98.01238
Sb 206.834	921.580	ppb	9.9446	1.1	632.993	36.86320Q
Se 196.026	4701.74	ppb	62.2337	1.3	1326.03	94.03474
Sn 189.925	4859.98	ppb	49.6858	1.0	3032.63	97.19962
Sr 216.596	2407.93	ppb	25.5813	1.1	14526.2	96.31708
Ti 334.941	493.185	ppb	5.1010	1.0	103431	98.63710
Tl 190.794	4906.78	ppb	63.1905	1.3	2300.25	98.13560
V 292.401	4920.23	ppb	47.5115	1.0	138112	98.40454
Zn 206.200	2391.14	ppb	20.6248	0.9	7358.85	95.64568

Cont Calib Blank (CCB) 4/3/2013, 5:09:02 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	0.1951	ppb	0.2894	148.3	-31.2888	0.19509
Al 308.215	-37.8567	ppb	4.7186	12.5	38.5864	-37.85672
As 188.980	1.7315	ppb	4.2152	243.5	-2.1829	1.73145
B 249.678	0.4718	ppb	0.6304	133.6	54.3354	0.47175
Ba 389.178	-0.3852	ppb	0.3559	92.4	-19.3617	-0.38520
Be 313.042	-0.1996	ppb	0.0140	7.0	-79.5277	-0.19957
Ca 370.602	-47.98	ppb	5.558	11.6	-73.37	-47.97731
Cd 226.502	-0.8116	ppb	0.1015	12.5	12.8807	-0.81160
Co 228.615	-0.8399	ppb	0.3028	36.1	-9.2098	-0.83993
Cr 267.716	-1.2539	ppb	0.4599	36.7	13.0560	-1.25389
Cu 324.754	-0.8947	ppb	0.3267	36.5	135.698	-0.89470
Fe 271.441	-38.4328	ppb	3.9829	10.4	-3.0403	-38.43285Z
K 766.491	-36.1290	ppb	0.2833	0.8	2255.00	-36.12896

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)	QC Value
Mg 279.078	-41.0646	ppb	1.1839	2.9	21.3286	-41.06456
Mn 257.610	-2.4035	ppb	0.3985	16.6	54.9102	-2.40352
Mo 202.032	-0.4668	ppb	0.4473	95.8	3.4195	-0.46684
Na 330.237	-36.6857	ppb	71.8410	195.8	-0.2477	-36.68573
Ni 231.604	-0.4365	ppb	0.6629	151.9	2.9063	-0.43654
Pb 220.353	-1.2583	ppb	1.8782	149.3	1.7846	-1.25830
Sb 206.834	2.3060	ppb	1.9585	84.9	3.6316	2.30597
Se 196.026	-6.0716	ppb	5.9159	97.4	1.4997	-6.07163
Sn 189.925	-3.4514	ppb	1.1474	33.2	-0.6741	-3.45139
Sr 216.596	-1.6314	ppb	0.2057	12.6	-6.2688	-1.63142
Ti 334.941	-0.4826	ppb	0.0685	14.2	-16.2086	-0.48262
Tl 190.794	3.8987	ppb	2.9644	76.0	0.2197	3.89872
V 292.401	-0.3251	ppb	0.2509	77.2	17.2870	-0.32514
Zn 206.200	-3.5530	ppb	1.0392	29.2	4.6592	-3.55296

680-88811-a-87-a (Samp)

4/3/2013, 5:14:31 AM

Rack 4, Tube 3

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5897	ppb	0.7309	124.0	-36.4905
Al 308.215	114759	ppb	129.895	0.1	319618
As 188.980	154.775	ppb	9.1555	5.9	52.5791
B 249.678	97.0890	ppb	1.5845	1.6	3.8357
Ba 389.178	2310.41	ppb	3.0222	0.1	38649.4
Be 313.042	12.6023	ppb	0.0228	0.2	19465.7
Ca 370.602	167270	ppb	178.4	0.1	562561
Cd 226.502	18.1388	ppb	0.4281	2.4	1251.78
Co 228.615	96.5610	ppb	1.3123	1.4	790.052
Cr 267.716	445.632	ppb	1.0723	0.2	6975.10
Cu 324.754	717.695	ppb	1.0850	0.2	25818.0
Fe 271.441	385917	ppb	536.237	0.1	287162
K 766.491	12272.6	ppb	13.3146	0.1	1577766
Mg 279.078	57191.6	ppb	27.4127	0.0	64407.6
Mn 257.610	13826.0	ppb	14.1220	0.1	1309680
Mo 202.032	27.1376	ppb	1.4237	5.2	49.8547
Na 330.237	2109.59	ppb	256.576	12.2	-39.5434
Ni 231.604	219.462	ppb	0.5706	0.3	667.605
Pb 220.353	2506.33	ppb	16.1574	0.6	2081.74
Sb 206.834	12.3590	ppb	7.1686	58.0	22.9290
Se 196.026	6.2389	ppb	8.2115	131.6	0.8434
Sn 189.925	183.524	ppb	2.6863	1.5	115.707
Sr 216.596	540.991	ppb	3.1363	0.6	3470.12
Ti 334.941	1342.87	ppb	1.2368	0.1	280884
Tl 190.794	0.2915	ppb	7.9865	2739.5	-19.0503
V 292.401	355.548	ppb	0.3489	0.1	10063.4
Zn 206.200	6845.52	ppb	15.9851	0.2	21100.3

680-88811-a-88-a (Samp)

4/3/2013, 5:20:01 AM

Rack 4, Tube 4

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	2.2999	ppb	0.5025	21.8	14.0844
Al 308.215	104647	ppb	5878.65	5.6	291470

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	240.911	ppb	10.9069	4.5	85.1576
B 249.678	82.4222	ppb	0.6782	0.8	-92.3628
Ba 389.178	3141.64	ppb	172.371	5.5	52297.2
Be 313.042	10.9329	ppb	0.6381	5.8	16972.6
Ca 370.602	152623	ppb	7204	4.7	509667
Cd 226.502	11.9271	ppb	2.4012	20.1	1084.26
Co 228.615	103.079	ppb	4.8267	4.7	848.762
Cr 267.716	377.800	ppb	20.5203	5.4	5895.43
Cu 324.754	857.791	ppb	53.7578	6.3	30909.2
Fe 271.441	372496	ppb	21012.2	5.6	277178
K 766.491	10024.6	ppb	451.935	4.5	1289684
Mg 279.078	30685.7	ppb	1552.65	5.1	33997.4
Mn 257.610	12974.3	ppb	705.639	5.4	1228984
Mo 202.032	33.7682	ppb	1.9873	5.9	74.3488
Na 330.237	1716.88	ppb	77.1866	4.5	-65.4850
Ni 231.604	210.558	ppb	11.2131	5.3	639.911
Pb 220.353	2539.25	ppb	129.638	5.1	2110.47
Sb 206.834	13.8896	ppb	2.8346	20.4	21.4138
Se 196.026	18.0397	ppb	5.2776	29.3	4.0307
Sn 189.925	457.168	ppb	24.9854	5.5	286.550
Sr 216.596	598.821	ppb	34.4945	5.8	3814.34
Ti 334.941	1840.80	ppb	104.243	5.7	384900
Tl 190.794	-2.0946	ppb	2.5917	123.7	-18.9775
V 292.401	401.890	ppb	22.5636	5.6	11373.9
Zn 206.200	4992.37	ppb	260.866	5.2	15394.1

680-88789-a-1-b (Samp)

4/3/2013, 5:25:30 AM

Rack 4, Tube 5

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	21.1917b	ppb	0.2851	1.3	747.420
Al 308.215	175335b	ppb	123.957	0.1	488295
As 188.980	16.5273b	ppb	12.2212	73.9	-9.5423
B 249.678	1416.67b	ppb	2.4050	0.2	12126.0
Ba 389.178	11906.7xb	ppb	8.2581	0.1	196725
Be 313.042	3.2150b	ppb	0.0091	0.3	5394.81
Ca 370.602	925991xb	ppb	1340	0.1	3486292
Cd 226.502	77.6427b	ppb	0.1692	0.2	1943.73
Co 228.615	50.2464b	ppb	0.7488	1.5	510.140
Cr 267.716	1340.72b	ppb	1.0039	0.1	21506.2
Cu 324.754	723.868b	ppb	1.0253	0.1	23806.6
Fe 271.441	79001.4b	ppb	72.1721	0.1	58806.7
K 766.491	238158xb	ppb	171.413	0.1	30500112
Mg 279.078	128338b	ppb	15.6288	0.0	147197
Mn 257.610	39915.1xb	ppb	57.5449	0.1	3779261
Mo 202.032	69.1124b	ppb	1.1492	1.7	236.342
Na 330.237	106895xb	ppb	440.477	0.4	6881.91
Ni 231.604	298.959b	ppb	2.3374	0.8	883.040
Pb 220.353	171.185b	ppb	7.4946	4.4	125.437
Sb 206.834	4.2337b	ppb	8.6813	205.1	15.6707
Se 196.026	-3.8971b	ppb	12.3317	316.4	12.5275
Sn 189.925	8.5337b	ppb	6.3182	74.0	5.2333
Sr 216.596	4723.49b	ppb	9.2247	0.2	28753.5
Ti 334.941	7657.80b	ppb	9.6944	0.1	1601158

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	3.6905b	ppb	2.6110	70.8	-8.5839
V 292.401	187.548b	ppb	0.4191	0.2	5214.78
Zn 206.200	3870.02b	ppb	6.2072	0.2	11931.2

mb 680-271368/25-a (Samp) **4/3/2013, 5:31:00 AM** **Rack 4, Tube 6**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1380	ppb	0.5777	418.8	-33.0457
Al 308.215	6.9496	ppb	2.1466	30.9	163.331
As 188.980	3.6359	ppb	5.8519	160.9	-1.4700
B 249.678	3.6733	ppb	0.4644	12.6	81.8321
Ba 389.178	1.4387	ppb	0.2558	17.8	10.8964
Be 313.042	-0.2054	ppb	0.0053	2.6	-88.5435
Ca 370.602	164.1	ppb	4.219	2.6	712.6
Cd 226.502	-0.6246	ppb	0.1298	20.8	17.2465
Co 228.615	-0.8046	ppb	0.2612	32.5	-8.9105
Cr 267.716	-0.2475	ppb	0.3178	128.4	29.1370
Cu 324.754	-0.9129	ppb	0.1988	21.8	134.500
Fe 271.441	48.6621	ppb	6.2962	12.9	61.7714
K 766.491	26.5487	ppb	0.8333	3.1	10280.5
Mg 279.078	-2.8244	ppb	7.6363	270.4	64.9475
Mn 257.610	8.1514	ppb	0.1703	2.1	1054.29
Mo 202.032	-0.1448	ppb	0.2785	192.3	4.5261
Na 330.237	62.3372	ppb	54.6933	87.7	6.1487
Ni 231.604	-0.2001	ppb	0.8537	426.7	3.5973
Pb 220.353	-4.3243	ppb	2.6230	60.7	-0.7846
Sb 206.834	3.5194	ppb	4.9477	140.6	4.3830
Se 196.026	-5.8416	ppb	2.2548	38.6	1.5657
Sn 189.925	20.9954	ppb	1.7125	8.2	14.5726
Sr 216.596	-0.3699	ppb	0.6506	175.9	1.4146
Ti 334.941	2.3263	ppb	0.2915	12.5	570.959
Tl 190.794	-0.4318	ppb	4.3662	1011.1	-1.8120
V 292.401	-0.6404	ppb	0.2651	41.4	8.1319
Zn 206.200	-0.6852	ppb	0.1029	15.0	13.4875

190-337-a-1-b (Samp) **4/3/2013, 5:36:29 AM** **Rack 4, Tube 7**
Weight: 1 **Volume: 1** **Dilution: 1**

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.1636	ppb	0.4418	270.1	-32.2786
Al 308.215	12.2059	ppb	2.0151	16.5	177.928
As 188.980	-1.4419	ppb	6.5362	453.3	-3.3774
B 249.678	0.2783	ppb	0.7757	278.7	52.4414
Ba 389.178	0.3447	ppb	0.1742	50.5	-7.1188
Be 313.042	-0.2102	ppb	0.0081	3.8	-95.8141
Ca 370.602	98.47	ppb	1.439	1.5	462.7
Cd 226.502	-0.6048	ppb	0.1648	27.3	17.7082
Co 228.615	-0.8657	ppb	0.1200	13.9	-9.3968
Cr 267.716	-0.7200	ppb	0.1429	19.8	21.5616
Cu 324.754	0.5263	ppb	0.3748	71.2	186.707
Fe 271.441	57.2700	ppb	6.0380	10.5	68.1601
K 766.491	-11.1574	ppb	0.1642	1.5	5452.50

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Mg 279.078	13.9986	ppb	2.9918	21.4	84.2578
Mn 257.610	1.3689	ppb	0.0270	2.0	412.271
Mo 202.032	-1.0892	ppb	0.9422	86.5	1.2509
Na 330.237	109.987	ppb	73.4862	66.8	9.2668
Ni 231.604	-0.1800	ppb	0.7430	412.8	3.6568
Pb 220.353	-1.2586	ppb	4.4660	354.8	1.7781
Sb 206.834	2.8745	ppb	3.1893	111.0	3.9611
Se 196.026	-10.7653	ppb	3.5284	32.8	0.1797
Sn 189.925	21.7262	ppb	2.0713	9.5	15.0284
Sr 216.596	-1.1395	ppb	0.5987	52.5	-3.2404
Ti 334.941	1.1406	ppb	0.0524	4.6	323.120
Tl 190.794	-0.2471	ppb	4.0400	1635.0	-1.7258
V 292.401	-0.9031	ppb	0.0434	4.8	1.0031
Zn 206.200	5.1393	ppb	0.4789	9.3	31.4216

CRI (Samp)

4/3/2013, 5:41:59 AM

Rack 4, Tube 8

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	10.3517	ppb	0.5811	5.6	284.260
Al 308.215	189.947	ppb	4.3434	2.3	673.518
As 188.980	17.8963	ppb	7.0363	39.3	3.8802
B 249.678	97.1271	ppb	0.6937	0.7	890.565
Ba 389.178	9.3227	ppb	0.2900	3.1	141.920
Be 313.042	4.1143	ppb	0.0201	0.5	6427.23
Ca 370.602	492.9	ppb	4.133	0.8	1961
Cd 226.502	4.4405	ppb	0.0792	1.8	130.428
Co 228.615	10.0724	ppb	0.5029	5.0	77.4153
Cr 267.716	9.2161	ppb	0.2387	2.6	180.573
Cu 324.754	19.6620	ppb	0.3829	1.9	877.407
Fe 271.441	20.5137	ppb	3.2419	15.8	41.4077
K 766.491	1045.32	ppb	0.5108	0.0	140734
Mg 279.078	488.292	ppb	2.8775	0.6	629.392
Mn 257.610	8.5790	ppb	0.0426	0.5	1096.02
Mo 202.032	9.2816	ppb	0.2943	3.2	37.1964
Na 330.237	948.958	ppb	70.0891	7.4	63.9090
Ni 231.604	41.3315	ppb	0.8414	2.0	124.382
Pb 220.353	8.0827	ppb	2.5439	31.5	9.5388
Sb 206.834	18.4042	ppb	7.5557	41.1	14.0812
Se 196.026	21.1092	ppb	4.7045	22.3	9.1482
Sn 189.925	48.0664	ppb	1.0619	2.2	31.4569
Sr 216.596	8.3284	ppb	0.2930	3.5	52.5206
Ti 334.941	9.7036	ppb	0.0277	0.3	2113.23
Tl 190.794	25.5750	ppb	7.0744	27.7	10.3789
V 292.401	9.7650	ppb	0.0105	0.1	298.389
Zn 206.200	17.0697	ppb	0.5169	3.0	68.1290

CCV (Samp)

4/3/2013, 5:47:28 AM

Rack 4, Tube 9

Weight: 1

Volume: 1

Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	490.945	ppb	1.8745	0.4	15216.4
Al 308.215	4972.53	ppb	72.0702	1.4	14238.7

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
As 188.980	482.498	ppb	3.3503	0.7	179.243
B 249.678	505.323	ppb	5.6378	1.1	4416.22
Ba 389.178	4830.32	ppb	60.4713	1.3	79707.8
Be 313.042	482.402	ppb	6.2188	1.3	730139
Ca 370.602	4980	ppb	54.48	1.1	18274
Cd 226.502	473.272	ppb	4.6648	1.0	10621.7
Co 228.615	483.814	ppb	6.2881	1.3	3842.20
Cr 267.716	4848.53	ppb	57.4038	1.2	77613.5
Cu 324.754	4788.72	ppb	27.5780	0.6	173166
Fe 271.441	4926.96	ppb	66.2479	1.3	3751.38
K 766.491	9913.75	ppb	94.4552	1.0	1275046
Mg 279.078	4867.44	ppb	74.3639	1.5	5635.39
Mn 257.610	4998.10	ppb	59.2805	1.2	473441
Mo 202.032	496.152	ppb	5.0240	1.0	1715.52
Na 330.237	7430.89	ppb	115.031	1.5	484.330
Ni 231.604	2411.95	ppb	27.4399	1.1	7020.36
Pb 220.353	487.415	ppb	6.9949	1.4	404.506
Sb 206.834	924.520	ppb	17.8417	1.9	635.034
Se 196.026	4705.11	ppb	63.8925	1.4	1326.98
Sn 189.925	4878.86	ppb	56.2695	1.2	3044.41
Sr 216.596	2421.95	ppb	30.1376	1.2	14611.0
Ti 334.941	495.812	ppb	6.0235	1.2	103980
Tl 190.794	4913.12	ppb	68.4849	1.4	2303.23
V 292.401	4932.16	ppb	62.1013	1.3	138446
Zn 206.200	2398.59	ppb	26.7325	1.1	7381.72

CCB (Samp)

4/3/2013, 5:52:58 AM

Rack 4, Tube 10

Weight: 1

Volume: 1

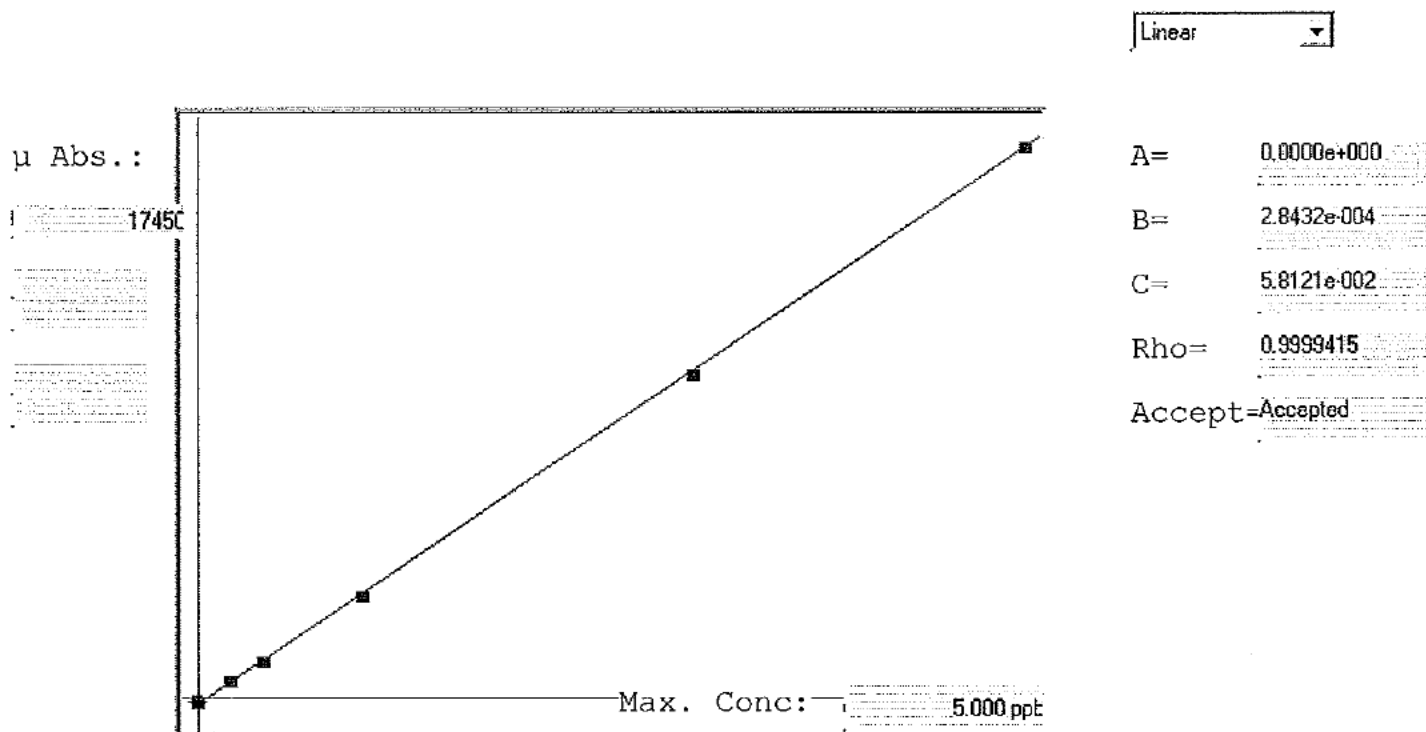
Dilution: 1

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Ag 328.068	0.5104	ppb	0.2754	54.0	-21.4907
Al 308.215	-41.6726	ppb	2.6093	6.3	27.9674
As 188.980	2.1176	ppb	0.8312	39.3	-2.0376
B 249.678	-0.4154	ppb	0.7104	171.0	46.6633
Ba 389.178	-0.6813	ppb	0.4854	71.2	-24.2526
Be 313.042	-0.1992	ppb	0.0137	6.9	-79.1039
Ca 370.602	-46.84	ppb	1.734	3.7	-69.13
Cd 226.502	-0.8335	ppb	0.0730	8.8	12.3906
Co 228.615	-0.8597	ppb	0.3451	40.1	-9.3782
Cr 267.716	-1.3703	ppb	0.1714	12.5	11.1932
Cu 324.754	-1.1713	ppb	0.1417	12.1	125.702
Fe 271.441	-38.3873	ppb	6.1963	16.1	-2.9892
K 766.491	-36.8321	ppb	1.5240	4.1	2165.06
Mg 279.078	-42.7936	ppb	2.7798	6.5	19.3414
Mn 257.610	-2.6684	ppb	0.0502	1.9	29.8187
Mo 202.032	-0.9734	ppb	0.9572	98.3	1.6635
Na 330.237	-47.0925	ppb	55.6425	118.2	-0.9252
Ni 231.604	-1.1065	ppb	0.7941	71.8	0.9538
Pb 220.353	-1.4475	ppb	3.7290	257.6	1.6263
Sb 206.834	1.0866	ppb	2.4102	221.8	2.8351
Se 196.026	-2.0409	ppb	7.0691	346.4	2.6329
Sn 189.925	-2.3806	ppb	1.5437	64.8	-0.0063
Sr 216.596	-1.4091	ppb	0.3371	23.9	-4.9051
Ti 334.941	-0.6126	ppb	0.0482	7.9	43.3787

F04022013.wvq. All Data Report 4/3/2013, 9:22:40 AM

Label	Sol'n Conc.	Units	SD	%RSD	Int. (c/s)
Tl 190.794	-1.7916	ppb	4.8175	268.9	-2.4433
V 292.401	-0.4930	ppb	0.2943	59.7	12.4448
Zn 206.200	-3.7423	ppb	0.0537	1.4	4.0766

Hg Norm2



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	0.021	0.021	-131	2.055	-134	-129	-132		
0.2	0.200	0.218	0.018	561	1.2 %	552	566	566		
0.4	0.400	0.387	-0.013	1158	0.7 %	1147	1159	1168		
1.0	1.000	0.981	-0.019	3246	0.2 %	3238	3249	3252		
3.0	3.000	2.974	-0.026	10255	0.1 %	10260	10237	10268		
5.0	5.000	5.019	0.019	17449	0.7 %	17283	17494	17572		

C04022013

Method: Hg Norm2

Operator: Admin

Date of Analysis: 02 Apr 2013 12:29:22

Sample ID	Extended ID	Mean	RSD	Date
blank		-132	-1.5606	02 Apr 2013 12:32:45
0.2		561	1.1757	02 Apr 2013 12:35:10
0.4		1158	0.7429	02 Apr 2013 12:37:37
1.0		3246	0.1854	02 Apr 2013 12:40:04
3.0		10255	0.1281	02 Apr 2013 12:42:30
5.0		17450	0.6996	02 Apr 2013 12:44:56
ICV		3.1080	0.6750	02 Apr 2013 12:47:22
ICB		0.0250	1.0703	02 Apr 2013 12:49:47
CRA		0.2223	0.2412	02 Apr 2013 12:52:13
CCV		2.6262	0.2564	02 Apr 2013 12:54:40
CCB		0.0305	1.3165	02 Apr 2013 12:57:06
mb 680-271426/1-a	(BCB)	0.0309	0.4334	02 Apr 2013 12:59:32
lb 680-271071/19-b	(BCB)	0.0296	4.3202	02 Apr 2013 13:01:59
lcs 680-271426/3-a	(BCB)	2.5985	1.5256	02 Apr 2013 13:04:24
680-88627-b-1-h	(BCB)	0.0248	1.4321	02 Apr 2013 13:06:50
680-88627-b-1-i ms	(BCB)	0.1047	0.4432	02 Apr 2013 13:09:16
680-88627-b-1-j msd	(BCB)	0.1007	0.5803	02 Apr 2013 13:11:42
lb 680-270907/9-d	(BCB)	0.0267	2.0112	02 Apr 2013 13:14:08
660-53110-a-1-d	(BCB)	0.0333	2.4489	02 Apr 2013 13:16:35
680-88713-a-1-j	(BCB)	0.0279	1.2715	02 Apr 2013 13:19:01
680-88713-a-1-k ms	(BCB)	0.0998	0.3552	02 Apr 2013 13:21:28
CCV		2.6578	1.3947	02 Apr 2013 13:23:55
CCB		0.0298	0.9000	02 Apr 2013 13:26:21
680-88713-a-1-l msd	(BCB)	0.1010	1.2664	02 Apr 2013 13:28:47
mb 680-271376/1-a	(BCB)	0.0524	0.7668	02 Apr 2013 13:31:13
lcs 680-271376/2-a	(BCB)	2.6184	1.1937	02 Apr 2013 13:33:40
llcs 680-271376/3-a	(BCB)	0.2283	0.9392	02 Apr 2013 13:36:08
680-88851-b-1-a	(BCB)	0.0245	1.4487	02 Apr 2013 13:38:35
680-88851-b-1-d ms	(BCB)	0.9161	1.2269	02 Apr 2013 13:41:01
680-88851-b-1-e msd	(BCB)	0.9978	1.2230	02 Apr 2013 13:43:28
680-88766-c-23-b	(BCB)	0.0375	1.9921	02 Apr 2013 13:45:55
680-88719-c-1-c	(BCB)	0.0213	6.1830	02 Apr 2013 13:48:21
680-88720-h-1-c	(BCB)	0.0160	2.5064	02 Apr 2013 13:50:48
CCV		2.3625	0.3284	02 Apr 2013 13:53:15
CCB		0.0219	14.8407	02 Apr 2013 13:55:42
680-88790-a-1-a	(BCB)	0.0362	0.6408	02 Apr 2013 13:58:09
680-88790-a-2-a	(BCB)	0.0263	4.0484	02 Apr 2013 14:00:36
mb 680-271407/1-a	(BCB)	0.0308	4.1929	02 Apr 2013 14:03:06
lcs 680-271407/2-a	(BCB)	2.6312	0.2916	02 Apr 2013 14:05:33
680-88809-k-1-a	(BCB)	0.0333	1.6104	02 Apr 2013 14:08:01
680-88809-b-2-a	(BCB)	0.0308	3.0123	02 Apr 2013 14:10:30
680-88809-d-3-a	(BCB)	0.0415	1.6134	02 Apr 2013 14:12:57
680-88809-d-4-a	(BCB)	0.0327	1.4768	02 Apr 2013 14:15:23
680-88809-d-5-a	(BCB)	0.0326	2.4987	02 Apr 2013 14:17:51
680-88809-d-6-a	(BCB)	0.0329	0.4072	02 Apr 2013 14:20:18
CCV		2.6184	0.4229	02 Apr 2013 14:22:46
CCB		0.0288	2.4151	02 Apr 2013 14:25:12
680-88809-b-7-a	(BCB)	0.0347	0.7722	02 Apr 2013 14:27:39
680-88809-b-8-a	(BCB)	0.0507	3.0008	02 Apr 2013 14:30:05
680-88809-b-9-a	(BCB)	0.0307	1.5725	02 Apr 2013 14:32:33
680-88809-b-10-a	(BCB)	0.0412	1.4195	02 Apr 2013 14:34:59
680-88809-b-11-a	(BCB)	0.1905	0.3917	02 Apr 2013 14:37:26
680-88773-a-1-a	(BCB)	0.0254	13.4503	02 Apr 2013 14:39:53
680-88773-a-2-a	(BCB)	0.0325	1.2359	02 Apr 2013 14:42:22
680-88819-r-1-a	(BCB)	0.0328	1.8716	02 Apr 2013 14:44:48
680-88819-n-1-a ms	(BCB)	1.0788	0.0986	02 Apr 2013 14:47:15

C04022013

Method: Hg Norm2

Operator: Admin

Date of Analysis: 02 Apr 2013 12:29:22

Sample ID	Extended ID	Mean	RSD	Date
680-88819-n-1-b msd	(BCB)	1.0948	0.3563	02 Apr 2013 14:49:44
CCV		2.6516	0.3677	02 Apr 2013 14:52:12
CCB		0.0341	1.9627	02 Apr 2013 14:54:40
680-88819-r-2-a	(BCB)	0.0287	2.0326	02 Apr 2013 14:57:07
680-88819-r-3-a	(BCB)	0.0309	4.3990	02 Apr 2013 14:59:34
680-88858-b-1-a	(BCB)	0.3850	0.0921	02 Apr 2013 15:02:02
680-88858-b-2-a	(BCB)	0.0304	1.1646	02 Apr 2013 15:04:29
mb 680-271410/1-a	(BCB)	0.0238	2.4533	02 Apr 2013 15:06:56
lcs 680-271410/2-a	(BCB)	2.7121	0.9265	02 Apr 2013 15:09:22
680-88830-h-1-a	(BCB)	0.0681	0.5907	02 Apr 2013 15:11:48
680-88830-h-2-a	(BCB)	0.0725	0.6663	02 Apr 2013 15:14:15
680-88830-h-3-a	(BCB)	0.0768	0.9236	02 Apr 2013 15:16:42
680-88830-h-4-a	(BCB)	0.0700	0.6907	02 Apr 2013 15:19:09
CCV		2.7424	0.4416	02 Apr 2013 15:21:36
CCB		0.0805	0.4406	02 Apr 2013 15:24:02
680-88830-h-5-a	(BCB)	0.0715	1.4882	02 Apr 2013 15:26:27
680-88830-h-6-a	(BCB)	0.0727	0.1843	02 Apr 2013 15:28:53
680-88830-h-6-b ms	(BCB)	1.1912	0.7757	02 Apr 2013 15:31:20
680-88830-h-6-c msd	(BCB)	1.1664	0.8544	02 Apr 2013 15:33:45
680-88812-e-5-a	(BCB)	0.0680	0.7109	02 Apr 2013 15:36:13
680-88812-e-6-a	(BCB)	0.0660	0.4062	02 Apr 2013 15:38:39
mb 680-271431/1-b	(BCB)	0.0702	0.8327	02 Apr 2013 15:41:07
lcs 680-271431/2-b	(BCB)	2.8803	0.2358	02 Apr 2013 15:43:34
680-88830-g-1-b	(BCB)	0.0746	1.3562	02 Apr 2013 15:46:01
680-88830-g-2-b	(BCB)	0.0681	0.5907	02 Apr 2013 15:48:27
CCV		2.6106	1.1350	02 Apr 2013 15:50:56
CCB		0.0787	1.7783	02 Apr 2013 15:53:23
680-88830-g-3-b	(BCB)	0.0667	0.2008	02 Apr 2013 15:55:48
680-88830-g-4-b	(BCB)	0.0701	0.3313	02 Apr 2013 15:58:15
680-88830-g-5-b	(BCB)	0.0722	0.8087	02 Apr 2013 16:00:42
680-88830-g-6-d	(BCB)	0.0705	0.7601	02 Apr 2013 16:03:09
680-88830-g-6-e ms	(BCB)	1.1953	0.1558	02 Apr 2013 16:05:37
680-88830-g-6-f msd	(BCB)	1.1639	0.4389	02 Apr 2013 16:08:04
680-88774-e-2-b	(BCB)	0.1304	0.2055	02 Apr 2013 16:10:30
680-88774-e-4-b	(BCB)	0.0722	0.4909	02 Apr 2013 16:12:57
680-88774-e-5-b	(BCB)	0.0695	0.8838	02 Apr 2013 16:15:25
680-88809-d-7-b	(BCB)	0.0704	0.5034	02 Apr 2013 16:17:53
CCV		2.7534	0.0590	02 Apr 2013 16:20:20
CCB		0.0760	1.2213	02 Apr 2013 16:22:47
680-88772-h-4-b	(BCB)	0.0756	0.6396	02 Apr 2013 16:25:13
680-88772-i-6-b	(BCB)	0.0701	1.1947	02 Apr 2013 16:27:40
680-88858-d-1-b	(BCB)	0.1565	0.5139	02 Apr 2013 16:30:09
mb 680-271380/1-a	(BCB)	0.0671	0.5283	02 Apr 2013 16:32:36
lcs 680-271380/2-a	(BCB)	2.7272	1.0917	02 Apr 2013 16:35:03
660-53462-d-1-b	(BCB)	0.1970	0.1800	02 Apr 2013 16:37:31
660-53462-d-2-b	(BCB)	0.0704	1.0594	02 Apr 2013 16:39:57
660-53462-d-3-b	(BCB)	0.0696	1.0192	02 Apr 2013 16:42:24
660-53462-d-4-b	(BCB)	0.0703	0.9900	02 Apr 2013 16:44:52
660-53462-d-5-a	(BCB)	0.0711	0.4987	02 Apr 2013 16:47:18
CCV		2.8431	1.0062	02 Apr 2013 16:49:45
CCB		0.0783	0.7843	02 Apr 2013 16:52:12
660-53462-d-5-b ms	(BCB)	1.0857	0.5888	02 Apr 2013 16:54:39
660-53462-d-5-c msd	(BCB)	1.0688	0.1309	02 Apr 2013 16:57:05
660-53462-d-6-d	(BCB)	0.0813	1.0023	02 Apr 2013 16:59:34
680-88770-s-2-a	(BCB)	0.0712	0.5647	02 Apr 2013 17:02:04
680-88770-s-3-a	(BCB)	0.0697	1.0178	02 Apr 2013 17:04:32

C04022013

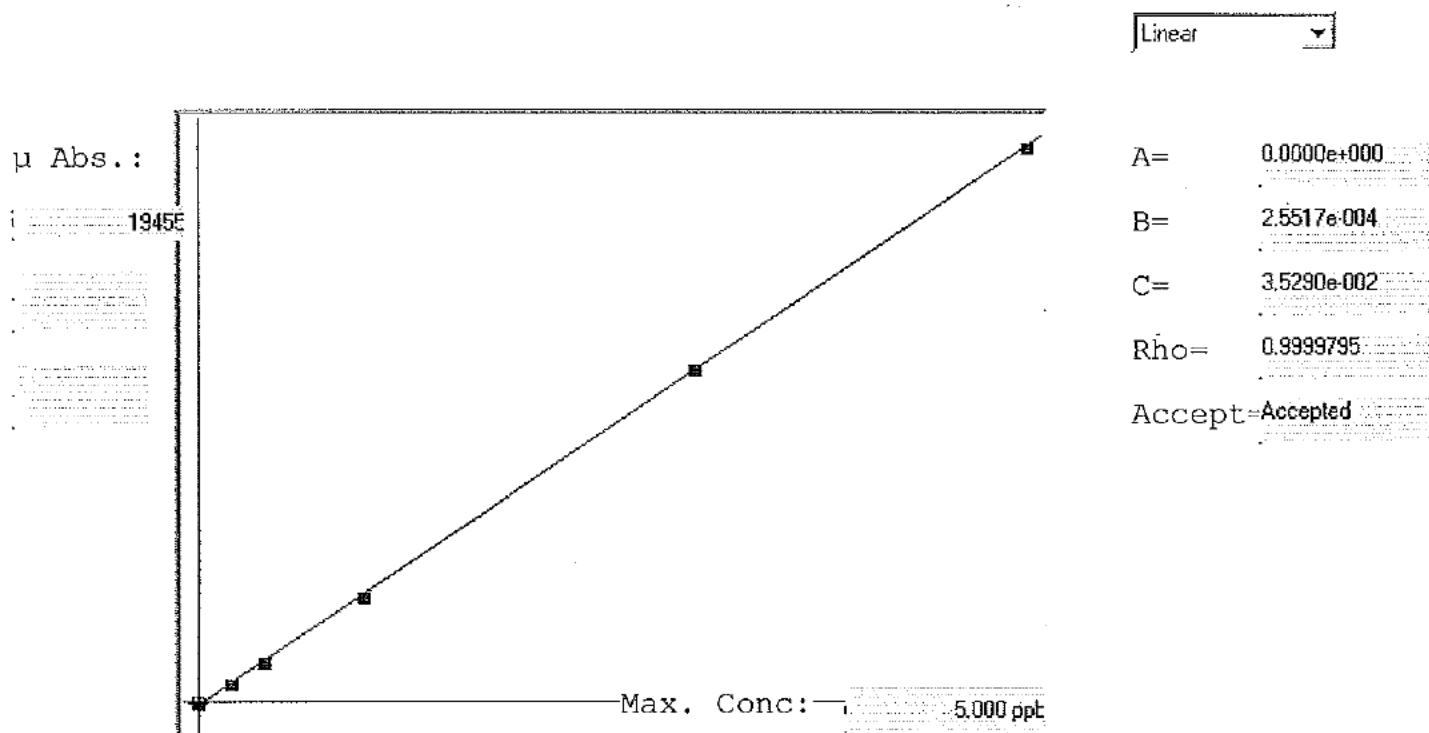
Method: Hg Norm2

Operator: Admin

Date of Analysis: 02 Apr 2013 12:29:22

Sample ID	Extended ID	Mean	RSD	Date
680-88770-s-4-a	(BCB)	0.0712	0.9781	02 Apr 2013 17:07:00
680-88770-s-5-a	(BCB)	0.0681	0.3410	02 Apr 2013 17:09:26
640-42920-d-1-a	(BCB)	0.0670	0.8716	02 Apr 2013 17:11:54
640-42920-d-2-a	(BCB)	0.8744	0.6867	02 Apr 2013 17:14:22
640-42920-d-3-a	(BCB)	0.0835	1.8920	02 Apr 2013 17:16:48
CCV		2.8117	0.0919	02 Apr 2013 17:19:16
CCB		0.0811	1.6285	02 Apr 2013 17:21:45
640-42920-d-4-a	(BCB)	0.0711	1.8565	02 Apr 2013 17:24:10
640-42920-d-5-a	(BCB)	0.0724	0.8066	02 Apr 2013 17:26:38
640-42920-d-6-a	(BCB)	2.5140	0.3781	02 Apr 2013 17:29:07
640-42920-d-7-a	(BCB)	0.1282	1.1786	02 Apr 2013 17:31:36
640-42920-d-9-a	(BCB)	0.0765	1.0656	02 Apr 2013 17:34:07
680-88764-g-5-a	(BCB)	0.0714	0.1877	02 Apr 2013 17:36:36
mb 680-271386/1-a	(BCB)	0.0693	1.5104	02 Apr 2013 17:39:06
lcs 680-271386/2-a	(BCB)	2.8135	0.4668	02 Apr 2013 17:41:34
680-88774-b-1-a	(BCB)	0.2260	0.8304	02 Apr 2013 17:44:03
680-88774-b-1-b ms	(BCB)	1.2451	0.4964	02 Apr 2013 17:46:32
CCV		2.7554	0.8654	02 Apr 2013 17:49:01
CCB		0.0753	1.8070	02 Apr 2013 17:51:30
680-88774-b-1-c msd	(BCB)	1.1770	0.4559	02 Apr 2013 17:53:57
680-88774-b-2-a	(BCB)	0.5996	0.3293	02 Apr 2013 17:56:26
680-88774-b-3-a	(BCB)	0.0707	0.9475	02 Apr 2013 17:58:54
680-88774-b-4-a	(BCB)	0.1199	0.4872	02 Apr 2013 18:01:23
680-88774-b-5-a	(BCB)	0.0765	0.3504	02 Apr 2013 18:03:53
680-88774-b-6-a	(BCB)	0.0645	1.1001	02 Apr 2013 18:06:21
680-88772-g-4-a	(BCB)	0.1477	0.1572	02 Apr 2013 18:08:50
680-88772-g-5-a	(BCB)	0.1450	0.2445	02 Apr 2013 18:11:19
680-88772-g-6-a	(BCB)	0.0677	0.3960	02 Apr 2013 18:13:48
660-53499-d-1-a	(BCB)	0.0641	0.3622	02 Apr 2013 18:16:16
CCV		2.7110	1.1347	02 Apr 2013 18:18:45
CCB		0.0696	0.5096	02 Apr 2013 18:21:14
660-53499-d-2-a	(BCB)	0.0703	0.3816	02 Apr 2013 18:23:41
660-53499-d-3-a	(BCB)	0.0799	0.1677	02 Apr 2013 18:26:10
680-88831-e-13-a	(BCB)	0.0632	0.3671	02 Apr 2013 18:28:39
CCV		2.6769	0.7155	02 Apr 2013 18:31:08
CCB		0.0721	0.1858	02 Apr 2013 18:33:36

Hg Norm2



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
blank	0.000	0.015	0.015	-80	2.867	-81	-77	-84		
0.2	0.200	0.204	0.004	661	0.6 %	657	660	667		
0.4	0.400	0.396	-0.004	1412	0.5 %	1403	1415	1419		
1.0	1.000	0.978	-0.022	3693	0.1 %	3688	3692	3701		
3.0	3.000	3.008	0.008	11651	0.5 %	11571	11673	11710		
5.0	5.000	4.999	-0.001	19454	0.1 %	19475	19474	19415		

C03292013B

Method: Hg Norm2

Operator: Admin

Date of Analysis: 29 Mar 2013 15:43:31

Sample ID	Extended ID	Mean	RSD	Date
blank		-81	-3.5547	29 Mar 2013 15:46:53
0.2		661	0.6336	29 Mar 2013 15:49:19
0.4		1412	0.4814	29 Mar 2013 15:51:46
1.0		3694	0.1472	29 Mar 2013 15:54:13
3.0		11651	0.5045	29 Mar 2013 15:56:40
5.0		19455	0.1442	29 Mar 2013 15:59:07
ICV		3.0530	0.1331	29 Mar 2013 16:01:34
ICB		0.0093	3.8957	29 Mar 2013 16:04:00
CRA		0.2113	0.7971	29 Mar 2013 16:06:26
CCV		2.5222	0.1632	29 Mar 2013 16:08:52
CCB		0.0100	7.1966	29 Mar 2013 16:11:20
mb 680-271158/1-a	(BCB)	0.0174	7.1725	29 Mar 2013 16:13:46
lcs 680-271158/2-a	(BCB)	2.6096	0.2914	29 Mar 2013 16:16:11
680-88732-a-2-b	(BCB)	0.9919	0.2069	29 Mar 2013 16:18:37
680-88732-a-2-c ms	(BCB)	2.1127	0.5748	29 Mar 2013 16:21:03
680-88732-a-2-d msd	(BCB)	2.2047	0.2430	29 Mar 2013 16:23:29
680-88732-a-4-b	(BCB)	0.8252	0.6207	29 Mar 2013 16:25:54
680-88732-a-6-b	(BCB)	1.4513	0.2553	29 Mar 2013 16:28:20
680-88732-a-8-a	(BCB)	1.7712	0.2344	29 Mar 2013 16:30:46
680-88732-a-10-a	(BCB)	1.5084	0.2940	29 Mar 2013 16:33:12
680-88732-a-12-a	(BCB)	0.9213	0.7518	29 Mar 2013 16:35:39
CCV		2.5544	0.1958	29 Mar 2013 16:38:06
CCB		0.0069	12.2357	29 Mar 2013 16:40:34
680-88732-a-14-a	(BCB)	0.0727	1.1580	29 Mar 2013 16:42:59
680-88732-a-16-a	(BCB)	0.0998	0.4823	29 Mar 2013 16:45:26
680-88732-a-18-a	(BCB)	0.0802	0.2598	29 Mar 2013 16:47:53
680-88732-a-21-a	(BCB)	0.0658	0.6589	29 Mar 2013 16:50:20
680-88732-a-23-a	(BCB)	15.3831	0.4797	29 Mar 2013 16:52:48
680-88732-a-25-a	(BCB)	1.2649	0.1153	29 Mar 2013 16:55:14
680-88732-a-27-a	(BCB)	1.9164	1.0285	29 Mar 2013 16:57:41
680-88732-a-29-a	(BCB)	0.1960	0.5456	29 Mar 2013 17:00:09
680-88732-a-32-a	(BCB)	0.8064	0.5339	29 Mar 2013 17:02:35
460-52563-c-1-h	(BCB)	2.1095	0.2964	29 Mar 2013 17:05:01
CCV		2.5843	0.0972	29 Mar 2013 17:07:28
CCB		0.0084	5.7194	29 Mar 2013 17:09:55
680-88740-a-1-a	(BCB)	0.1670	1.2665	29 Mar 2013 17:12:22
640-42856-b-1-a	(BCB)	2.2668	0.9006	29 Mar 2013 17:14:50
680-88740-a-2-a	(BCB)	0.1820	0.3029	29 Mar 2013 17:17:18
mb 680-271188/1-a	(BCB)	0.0116	7.8562	29 Mar 2013 17:19:46
lcs 680-271188/2-a	(BCB)	2.5949	0.1968	29 Mar 2013 17:22:13
680-88747-a-1-b	(BCB)	0.0089	4.8605	29 Mar 2013 17:24:39
680-88747-a-2-b	(BCB)	0.0127	5.0255	29 Mar 2013 17:27:05
680-88747-a-3-b	(BCB)	0.0154	3.5824	29 Mar 2013 17:29:31
680-88723-d-2-b	(BCB)	1.0111	0.5015	29 Mar 2013 17:31:56
680-88766-b-6-d	(BCB)	1.3825	0.4353	29 Mar 2013 17:34:23
CCV		2.5684	0.2594	29 Mar 2013 17:36:51
CCB		0.0077	2.6945	29 Mar 2013 17:39:19
680-88766-b-6-e ms	(BCB)	2.2182	0.0953	29 Mar 2013 17:41:45
680-88766-b-6-f msd	(BCB)	2.6442	0.5997	29 Mar 2013 17:44:12
680-88766-b-12-b	(BCB)	1.0577	0.5362	29 Mar 2013 17:46:39
680-88766-b-13-b	(BCB)	1.1106	0.2351	29 Mar 2013 17:49:06
680-88766-a-22-b	(BCB)	1.6372	0.1376	29 Mar 2013 17:51:34
680-88767-b-14-d	(BCB)	1.0897	0.1714	29 Mar 2013 17:54:01
680-88767-b-14-e ms	(BCB)	1.9170	0.1733	29 Mar 2013 17:56:30
680-88767-b-14-f msd	(BCB)	1.9888	0.2455	29 Mar 2013 17:58:55
680-88767-b-24-b	(BCB)	1.4105	0.6206	29 Mar 2013 18:01:21

C03292013B

Method: Hg Norm2

Operator: Admin

Date of Analysis: 29 Mar 2013 15:43:31

Sample ID	Extended ID	Mean	RSD	Date
680-88767-b-29-b	(BCB)	1.3843	0.7622	29 Mar 2013 18:03:47
CCV		2.5750	0.6067	29 Mar 2013 18:06:14
CCB		0.0051	15.4802	29 Mar 2013 18:08:42
680-88767-b-30-b	(BCB)	1.5341	0.2798	29 Mar 2013 18:11:07
680-88767-b-35-b	(BCB)	1.9735	0.3293	29 Mar 2013 18:13:34
680-88767-b-52-b	(BCB)	1.8234	0.4741	29 Mar 2013 18:16:01
680-88767-a-55-b	(BCB)	1.9683	0.3984	29 Mar 2013 18:18:30
680-88764-d-2-a	(BCB)	0.5020	0.2905	29 Mar 2013 18:20:56
680-88764-d-3-a	(BCB)	0.2824	0.4064	29 Mar 2013 18:23:23
680-88764-d-3-b ms	(BCB)	1.3258	0.1895	29 Mar 2013 18:25:50
680-88764-d-3-c msd	(BCB)	1.1710	0.2005	29 Mar 2013 18:28:18
CCV		2.5715	0.2057	29 Mar 2013 18:30:46
CCB		0.0105	1.1506	29 Mar 2013 18:33:12
CCV		2.3939	0.8002	30 Mar 2013 07:36:45
CCB		0.0109	6.1561	30 Mar 2013 07:39:22
680-88732-a-23-a	^10 (BCB)	1.4485	0.3724	30 Mar 2013 07:41:49
680-88732-a-25-a	(BCB)	1.1549	0.7775	30 Mar 2013 07:44:15
CCV		2.4575	0.5521	30 Mar 2013 07:46:42
CCB		0.0080	6.9013	30 Mar 2013 07:49:09

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88766-3SDG No.: 68088766-3Batch Number: 271187 Batch Start Date: 03/29/13 10:49 Batch Analyst: Boyuk, BrianBatch Method: 200.7 Batch End Date: 03/29/13 15:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	MS Cal Stk 00019	MS_LCS1_WK 00001	MS_LCS2_wk 00143
MB 680-271187/1		200.7, 200.7 Rev 4.4			50 mL	50 mL			
LCS 680-271187/3		200.7, 200.7 Rev 4.4			50 mL	50 mL	1 mL		0.5 mL
680-88766-C-23	032613-RB-shovel	200.7, 200.7 Rev 4.4	T	<2	50 mL	50 mL			
680-88739-A-1 MS		200.7, 200.7 Rev 4.4	T	<2	50 mL	50 mL		0.5 mL	0.5 mL
680-88739-A-1 MSD		200.7, 200.7 Rev 4.4	T	<2	50 mL	50 mL		0.5 mL	0.5 mL

Batch Notes	
Lot # of hydrochloric acid	24317
Lot # of Nitric Acid	L10022
Hood ID or number	FH10
Hot Block ID number	5
Oven, Bath or Block Temperature 1	93 Degrees C
Pipette ID	ME 8
ID number of the thermometer	MEPREP 11
Digestion Tube/Cup Lot #	1208059

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.: 680-88766-3SDG No.: 68088766-3Batch Number: 271166 Batch Start Date: 03/29/13 10:06 Batch Analyst: Lawhon, JonBatch Method: 3050B Batch End Date: 03/29/13 15:32

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 680-271166/1		3050B, 6010C		CALC NOT SET TO RUN	1.04 g	100 mL			
LCS 680-271166/3		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	100 mL	2 mL		
680-88766-B-6	CV0613E-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL			
680-88766-B-6 MS	CV0613E-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL		1 mL	1 mL
680-88766-B-6 MSD	CV0613E-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	100 mL		1 mL	1 mL
680-88766-B-12	CV0613K-CS	3050B, 6010C	T	CALC NOT SET TO RUN	1.05 g	100 mL			
680-88766-B-13	CV0613K-CSD	3050B, 6010C	T	CALC NOT SET TO RUN	1.16 g	100 mL			
680-88766-A-22	CV0613E-CS (sieve)	3050B, 6010C	T	CALC NOT SET TO RUN	1.07 g	100 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 680-271166/1		3050B, 6010C							
LCS 680-271166/3		3050B, 6010C		SN LCS					
680-88766-B-6	CV0613E-CS	3050B, 6010C	T						
680-88766-B-6 MS	CV0613E-CS	3050B, 6010C	T						
680-88766-B-6 MSD	CV0613E-CS	3050B, 6010C	T						
680-88766-B-12	CV0613K-CS	3050B, 6010C	T						
680-88766-B-13	CV0613K-CSD	3050B, 6010C	T						
680-88766-A-22	CV0613E-CS (sieve)	3050B, 6010C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88766-3SDG No.: 68088766-3Batch Number: 271166 Batch Start Date: 03/29/13 10:06 Batch Analyst: Lawhon, JonBatch Method: 3050B Batch End Date: 03/29/13 15:32

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	9
Nominal Amount Used	1.0 g
Pipette ID	ME4
Perform Calculation (0=No, 1=Yes)	0
Temperature	98 Degrees C
ID number of the thermometer	MEPREP14
Digestion Tube/Cup Lot #	010-501-263

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.: 680-88766-3SDG No.: 68088766-3Batch Number: 271376 Batch Start Date: 04/01/13 10:19 Batch Analyst: Umbehr, UliBatch Method: 245.1 Batch End Date: 04/01/13 17:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	hg_icvint 00084	Hg_Int_Cal 00090	AnalysisComment
MB 680-271376/1		245.1, 245.1			50 mL	50 mL			
LCS 680-271376/2		245.1, 245.1			50 mL	50 mL		0.25 mL	
680-88851-B-1 MS		245.1, 245.1	T	<2	50 mL	50 mL		0.1 mL	
680-88851-B-1 MSD		245.1, 245.1	T	<2	50 mL	50 mL		0.1 mL	
680-88766-C-23	032613-RB-shovel	245.1, 245.1	T	<2	50 mL	50 mL			Limited quantity for MS/MSD.
CCV 680-271376/19		245.1, 245.1			50 mL	50 mL		0.25 mL	
CCB 680-271376/20		245.1, 245.1			50 mL	50 mL			
ICV 680-271376/22		245.1, 245.1			50 mL	50 mL	0.15 mL		
ICB 680-271376/23		245.1, 245.1			50 mL	50 mL			
CRA 680-271376/24		245.1, 245.1			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.

245.1

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88766-3SDG No.: 68088766-3Batch Number: 271376 Batch Start Date: 04/01/13 10:19 Batch Analyst: Umbehr, UliBatch Method: 245.1 Batch End Date: 04/01/13 17:50

Batch Notes	
Hydroxylamine Sulfate Lot Number	3046698
Hydroxylamine Hydrochloride Lot	3046705
Sulfuric Acid Lot Number	2956909
Lot # of hydrochloric acid	2968296
Lot # of Nitric Acid	3026690
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
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	03/05/13
Stannous Chloride Lot Number	3038842
SOP Number	ME028
Temperature	95 Degrees C
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J147592-264-100
Visual ck - digestate F.V. consistency	consistent

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.

245.1

Page 2 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88766-3SDG No.: 68088766-3Batch Number: 271158 Batch Start Date: 03/29/13 09:42 Batch Analyst: Umbehr, UliBatch Method: 7471A Batch End Date: 03/29/13 11:37

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	hg_icvint 00084	Hg_Int_Cal 00090	AnalysisComment	
CCV 680-271158/31		7471A, 7471B		50 mL	50 mL		0.25 mL		
CCB 680-271158/32		7471A, 7471B		50 mL	50 mL				
ICV 680-271158/34		7471A, 7471B		50 mL	50 mL	0.15 mL			
ICB 680-271158/35		7471A, 7471B		50 mL	50 mL				
CRA 680-271158/36		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.

7471B

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88766-3SDG No.: 68088766-3Batch Number: 271158 Batch Start Date: 03/29/13 09:42 Batch Analyst: Umbehr, UliBatch Method: 7471A Batch End Date: 03/29/13 11:37

Batch Notes	
Hydroxylamine Sulfate Lot Number	2965828
Hydroxylamine Hydrochloride Lot	3001958
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	2968294
Lot # of Nitric Acid	2950992
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	01/03/13
Stannous Chloride Lot Number	3001827
SOP Number	ME1, ME7, ME10
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J147592-264-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description

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.: 680-88766-3SDG No.: 68088766-3Batch Number: 271188 Batch Start Date: 03/29/13 10:50 Batch Analyst: Umbehr, UliBatch Method: 7471B Batch End Date: 03/29/13 12:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg_Int_Cal 00090			
MB 680-271188/1		7471B, 7471B		0.51 g	50 mL				
LCS 680-271188/2		7471B, 7471B		0.56 g	50 mL	0.25 mL			
680-88766-B-6	CV0613E-CS	7471B, 7471B	T	0.57 g	50 mL				
680-88766-B-6 MS	CV0613E-CS	7471B, 7471B	T	0.50 g	50 mL	0.1 mL			
680-88766-B-6 MSD	CV0613E-CS	7471B, 7471B	T	0.59 g	50 mL	0.1 mL			
680-88766-B-12	CV0613K-CS	7471B, 7471B	T	0.52 g	50 mL				
680-88766-B-13	CV0613K-CSD	7471B, 7471B	T	0.59 g	50 mL				
680-88766-A-22	CV0613E-CS (sieve)	7471B, 7471B	T	0.57 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.

7471B

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Savannah Job No.: 680-88766-3SDG No.: 68088766-3Batch Number: 271188 Batch Start Date: 03/29/13 10:50 Batch Analyst: Umbehr, UliBatch Method: 7471B Batch End Date: 03/29/13 12:55

Batch Notes	
Hydroxylamine Sulfate Lot Number	2965828
Hydroxylamine Hydrochloride Lot	3001958
Aqua Regia Lot Number	3001953
Balance ID	27
Blank Soil Lot Number	2021822
Sulfuric Acid Lot Number	2956908
Lot # of hydrochloric acid	2968294
Lot # of Nitric Acid	2950992
Hood ID or number	WB2
Hot Block ID number	11, 12
Potassium Persulfate Lot Number	3001730
Potassium Permanganate Lot Number	2384878
NaCL Lot #	2891381
Nominal Amount Used	0.5 - 0.6 g g
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	ME1, ME7, ME10
Repittetor Volume Check	01/03/13
Stannous Chloride Lot Number	3001827
SOP Number	ME1, ME7, ME10
ID number of the thermometer	ME9, ME10
Digestion Tube/Cup Lot #	J147592-264-100
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7471B

Page 2 of 2

Serial Number 59597

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. 2005148-1356	PROJECT LOCATION (STATE) AL	MATRIX TYPE	REQUIRED ANALYSIS										PAGE 1	OF 2		
TAL (LAB) PROJECT MANAGER Lisa Harvey	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LL PPH PRA & Metals	PRESERVATIVE											STANDARD REPORT DELIVERY ☐	DATE DUE _____
TAL (LAB) PROJECT MANAGER Lisa Harvey		P.O. NUMBER				CONTRACT NO.											
COMPANY CONTROLLER (Signature and Title)															NUMBER OF COOLERS SUBMITTED PER SHIPMENT:		

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS
DATE	TIME																	
3-25-13	1311	CV0613A-CS	C	X			X											
	1315	CV0613A-CSD	C	X			X											
	1320	CV0613B-CS	C	X			X											
	1325	CV0613C-CS	C	X			X											
	1330	CV0613D-CS	C	X			X											
	1343	CV0613E-CS	C	X			X	X										
	1348	CV0613F-CS	C	X			X											
	1400	CV0613G-CS	C	X			X											
	1407	CV0613H-CS	C	X			X											
	1417	CV0613I-CS	C	X			X											
	1425	CV0613J-CS	C	X			X											
	1426	CV0613K-CS	C	X			X	X										

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-26-13	TIME 13:30	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) <i>[Signature]</i>	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY			
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE 03/26/13	TIME 0937	CUSTODY INTACT YES ☐ NO ☐
CUSTODY SEAL NO.	SAVANNAH LOG NO. 650-88766	LABORATORY REMARKS 1.4°	

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

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5102 LaRoche Avenue
Savannah, GA 31404

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Fax: (912) 352-0165

☐ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE 35th Ave Removal	PROJECT NO. 2005148-135C	PROJECT LOCATION (STATE) AL	MATRIX TYPE	REQUIRED ANALYSIS										PAGE 2	OF 2	
TAL (LAB) PROJECT MANAGER Lisa Harvey	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LLPAH	RELAS Metals	PRESERVATIVE						STANDARD REPORT DELIVERY ☐				
CLIENT (SITE) NAME	CLIENT PHONE	CLIENT FAX										DATE DUE _____				
CLIENT NAME	CLIENT EMAIL											EXPEDITED REPORT DELIVERY (SURCHARGE) ☐				
CLIENT ADDR												DATE DUE _____				
COMPANY CI												NUMBER OF COOLERS SUBMITTED PER SHIPMENT:				

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS
DATE	TIME																	
3-25-13	1428	CVO613K-CSD	C	X			X	X										
	1332	CVO613AB-GS	G	X			X											
	1334	CVO613AC-GS	G	X			X											
	1440	CVO610A-CS	C	X			X											
	1442	CVO610B-CS	C	X			X											
	1439	CVO610AB-GS	G	X			X											
	1506	CVO506A-CS	C	X			X											
	1515	CVO506B-CS	C	X			X											
	1518	CVO014AB-GS	G	X			X											
	1343	CVO613E-CS (sieve)	C	X			X	X										
3-26-13	1300	032613-RB-Shovel		X			X	X										

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-26-13	TIME 1330	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>		DATE 03/28/13	TIME 0937	CUSTODY INTACT YES ☐ NO ☐	CUSTODY SEAL NO.	SAVANNAH LOG NO. 88766	LABORATORY REMARKS 1.4 c

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Savannah

5102 LaRoche Avenue

Savannah, GA 31404

Tel: (912)354-7858

TestAmerica Job ID: 680-88766-3

TestAmerica Sample Delivery Group: 68088766-3

Client Project/Site: 35th Avenue Superfund Site

For:

Oneida Total Integrated Enterprises LLC

1220 Kennestone Circle

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Authorized for release by:

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Job ID: 680-88766-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-88766-3

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

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

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

RECEIPT

The samples were received on 03/28/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.4 C.

METALS (ICP) WATER

Sample 032613-RB-shovel (680-88766-23) was analyzed for Metals (ICP) in accordance with EPA Method 200.7. The samples were prepared on 03/29/2013 and analyzed on 03/30/2013.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY WATER

Sample 032613-RB-shovel (680-88766-23) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 04/01/2013 and analyzed on 04/02/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP) SOILS

Samples CV0613E-CS (680-88766-6), CV0613K-CS (680-88766-12), CV0613K-CSD (680-88766-13) and CV0613E-CS (sieve) (680-88766-22) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 03/29/2013 and analyzed on 04/02/2013.

Several analytes recovered outside the recovery criteria for the MS/MSD of sample CV0613E-CS (680-88766-6) in batch 680-271678.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY SOILS

Samples CV0613E-CS (680-88766-6), CV0613K-CS (680-88766-12), CV0613K-CSD (680-88766-13) and CV0613E-CS (sieve) (680-88766-22) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed

Case Narrative

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Job ID: 680-88766-3 (Continued)

Laboratory: TestAmerica Savannah (Continued)

on 03/29/2013.

Mercury recovered outside the recovery criteria for the MSD of sample CV0613E-CS (680-88766-6) in batch 680-271298.

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: 680-88766-3
SDG: 68088766-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-88766-6	CV0613E-CS	Solid	03/25/13 13:43	03/28/13 09:37
680-88766-12	CV0613K-CS	Solid	03/25/13 14:26	03/28/13 09:37
680-88766-13	CV0613K-CSD	Solid	03/25/13 14:28	03/28/13 09:37
680-88766-22	CV0613E-CS (sieve)	Solid	03/25/13 13:43	03/28/13 09:37
680-88766-23	032613-RB-shovel	Water	03/26/13 13:00	03/28/13 09:37

Method Summary

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Method	Method Description	Protocol	Laboratory
200.7 Rev 4.4	Metals (ICP)	40CFR136A	TAL SAV
245.1	Mercury (CVAA)	EPA	TAL SAV
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:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

Definitions/Glossary

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
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 Results

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Client Sample ID: CV0613E-CS

Lab Sample ID: 680-88766-6

Date Collected: 03/25/13 13:43

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 84.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13		2.3	0.68	mg/Kg	☼	03/29/13 10:06	04/02/13 21:07	1
Barium	82		1.2	0.35	mg/Kg	☼	03/29/13 10:06	04/02/13 21:07	1
Cadmium	0.59		0.58	0.12	mg/Kg	☼	03/29/13 10:06	04/02/13 21:07	1
Chromium	47		1.2	0.58	mg/Kg	☼	03/29/13 10:06	04/02/13 21:07	1
Lead	84		1.2	0.61	mg/Kg	☼	03/29/13 10:06	04/02/13 21:07	1
Selenium	2.9	U	2.9	1.2	mg/Kg	☼	03/29/13 10:06	04/02/13 21:07	1
Silver	1.2	U	1.2	0.11	mg/Kg	☼	03/29/13 10:06	04/02/13 21:07	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	0.14		0.021	0.0085	mg/Kg	☼	03/29/13 10:50	03/29/13 17:34	1

Client Sample ID: CV0613K-CS

Lab Sample ID: 680-88766-12

Date Collected: 03/25/13 14:26

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 84.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2		2.2	0.66	mg/Kg	☼	03/29/13 10:06	04/02/13 21:46	1
Barium	100		1.1	0.34	mg/Kg	☼	03/29/13 10:06	04/02/13 21:46	1
Cadmium	0.53	J	0.56	0.11	mg/Kg	☼	03/29/13 10:06	04/02/13 21:46	1
Chromium	62		1.1	0.56	mg/Kg	☼	03/29/13 10:06	04/02/13 21:46	1
Lead	92		1.1	0.60	mg/Kg	☼	03/29/13 10:06	04/02/13 21:46	1
Selenium	1.7	J	2.8	1.1	mg/Kg	☼	03/29/13 10:06	04/02/13 21:46	1
Silver	1.1	U	1.1	0.11	mg/Kg	☼	03/29/13 10:06	04/02/13 21:46	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	0.12		0.023	0.0093	mg/Kg	☼	03/29/13 10:50	03/29/13 17:46	1

Client Sample ID: CV0613K-CSD

Lab Sample ID: 680-88766-13

Date Collected: 03/25/13 14:28

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 87.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12		2.0	0.58	mg/Kg	☼	03/29/13 10:06	04/02/13 21:51	1
Barium	290		0.99	0.30	mg/Kg	☼	03/29/13 10:06	04/02/13 21:51	1
Cadmium	0.41	J	0.49	0.099	mg/Kg	☼	03/29/13 10:06	04/02/13 21:51	1
Chromium	72		0.99	0.49	mg/Kg	☼	03/29/13 10:06	04/02/13 21:51	1
Lead	100		0.99	0.52	mg/Kg	☼	03/29/13 10:06	04/02/13 21:51	1
Selenium	1.0	J	2.5	0.99	mg/Kg	☼	03/29/13 10:06	04/02/13 21:51	1
Silver	0.99	U	0.99	0.095	mg/Kg	☼	03/29/13 10:06	04/02/13 21:51	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	0.11		0.019	0.0080	mg/Kg	☼	03/29/13 10:50	03/29/13 17:49	1

TestAmerica Savannah

Client Sample Results

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Client Sample ID: CV0613E-CS (sieve)

Lab Sample ID: 680-88766-22

Date Collected: 03/25/13 13:43

Matrix: Solid

Date Received: 03/28/13 09:37

Percent Solids: 85.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		2.2	0.65	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Barium	130		1.1	0.33	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Cadmium	0.81		0.55	0.11	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Chromium	80		1.1	0.55	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Lead	150		1.1	0.58	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Selenium	2.7	U	2.7	1.1	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	1
Silver	0.11	J	1.1	0.11	mg/Kg	☆	03/29/13 10:06	04/02/13 21:56	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	0.17		0.021	0.0085	mg/Kg	☆	03/29/13 10:50	03/29/13 17:51	1

Client Sample ID: 032613-RB-shovel

Lab Sample ID: 680-88766-23

Date Collected: 03/26/13 13:00

Matrix: Water

Date Received: 03/28/13 09:37

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20	U	20	4.6	ug/L		03/29/13 10:49	03/30/13 11:08	1
Barium	10	U	10	2.3	ug/L		03/29/13 10:49	03/30/13 11:08	1
Cadmium	5.0	U	5.0	2.0	ug/L		03/29/13 10:49	03/30/13 11:08	1
Chromium	10	U	10	1.2	ug/L		03/29/13 10:49	03/30/13 11:08	1
Lead	10	U	10	4.0	ug/L		03/29/13 10:49	03/30/13 11:08	1
Selenium	20	U	20	6.4	ug/L		03/29/13 10:49	03/30/13 11:08	1
Silver	10	U	10	0.89	ug/L		03/29/13 10:49	03/30/13 11:08	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		04/01/13 10:19	04/02/13 13:45	1

QC Sample Results

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 680-271187/1-A

Matrix: Water

Analysis Batch: 271360

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 271187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20	U	20	4.6	ug/L		03/29/13 10:49	03/30/13 09:54	1
Barium	10	U	10	2.3	ug/L		03/29/13 10:49	03/30/13 09:54	1
Cadmium	5.0	U	5.0	2.0	ug/L		03/29/13 10:49	03/30/13 09:54	1
Chromium	10	U	10	1.2	ug/L		03/29/13 10:49	03/30/13 09:54	1
Lead	10	U	10	4.0	ug/L		03/29/13 10:49	03/30/13 09:54	1
Selenium	20	U	20	6.4	ug/L		03/29/13 10:49	03/30/13 09:54	1
Silver	10	U	10	0.89	ug/L		03/29/13 10:49	03/30/13 09:54	1

Lab Sample ID: LCS 680-271187/3-A

Matrix: Water

Analysis Batch: 271360

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 271187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	210		ug/L		105	85 - 115
Barium	200	195		ug/L		98	85 - 115
Cadmium	200	199		ug/L		99	85 - 115
Chromium	200	198		ug/L		99	85 - 115
Lead	200	196		ug/L		98	85 - 115
Selenium	200	203		ug/L		102	85 - 115
Silver	200	203		ug/L		102	85 - 115

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 680-271376/1-A

Matrix: Water

Analysis Batch: 271672

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 271376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		04/01/13 10:19	04/02/13 13:31	1

Lab Sample ID: LCS 680-271376/2-A

Matrix: Water

Analysis Batch: 271672

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 271376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.62		ug/L		105	85 - 115

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-271166/1-A

Matrix: Solid

Analysis Batch: 271678

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 271166

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9	U	1.9	0.57	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Barium	0.96	U	0.96	0.29	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Cadmium	0.48	U	0.48	0.096	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Chromium	0.96	U	0.96	0.48	mg/Kg		03/29/13 10:06	04/02/13 20:51	1

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

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

Lab Sample ID: MB 680-271166/1-A

Matrix: Solid

Analysis Batch: 271678

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 271166

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.96	U	0.96	0.51	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Selenium	2.4	U	2.4	0.96	mg/Kg		03/29/13 10:06	04/02/13 20:51	1
Silver	0.96	U	0.96	0.092	mg/Kg		03/29/13 10:06	04/02/13 20:51	1

Lab Sample ID: LCS 680-271166/3-A

Matrix: Solid

Analysis Batch: 271678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 271166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.6	18.8		mg/Kg		96	75 - 125
Barium	19.6	17.9		mg/Kg		91	75 - 125
Cadmium	19.6	18.6		mg/Kg		95	75 - 125
Chromium	19.6	18.6		mg/Kg		95	75 - 125
Lead	19.6	17.7		mg/Kg		90	75 - 125
Selenium	19.6	17.3		mg/Kg		88	75 - 125
Silver	19.6	19.0		mg/Kg		97	75 - 125

Lab Sample ID: 680-88766-6 MS

Matrix: Solid

Analysis Batch: 271678

Client Sample ID: CV0613E-CS

Prep Type: Total/NA

Prep Batch: 271166

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	13		11.6	19.7	F	mg/Kg	☼	56	75 - 125
Barium	82		11.6	105	4	mg/Kg	☼	203	75 - 125
Cadmium	0.59		5.78	5.75		mg/Kg	☼	89	75 - 125
Chromium	47		11.6	51.9	4	mg/Kg	☼	39	75 - 125
Lead	84		5.78	97.7	4	mg/Kg	☼	229	75 - 125
Selenium	2.9	U	11.6	10.6		mg/Kg	☼	91	75 - 125
Silver	1.2	U	5.78	5.15		mg/Kg	☼	89	75 - 125

Lab Sample ID: 680-88766-6 MSD

Matrix: Solid

Analysis Batch: 271678

Client Sample ID: CV0613E-CS

Prep Type: Total/NA

Prep Batch: 271166

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	13		11.6	17.0	F	mg/Kg	☼	33	75 - 125	15	20
Barium	82		11.6	108	4	mg/Kg	☼	226	75 - 125	2	20
Cadmium	0.59		5.78	5.38		mg/Kg	☼	83	75 - 125	7	20
Chromium	47		11.6	63.2	4	mg/Kg	☼	138	75 - 125	20	20
Lead	84		5.78	119	4	mg/Kg	☼	607	75 - 125	20	20
Selenium	2.9	U	11.6	9.37		mg/Kg	☼	81	75 - 125	12	20
Silver	1.2	U	5.78	5.32		mg/Kg	☼	92	75 - 125	3	20

TestAmerica Savannah

QC Sample Results

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

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

Lab Sample ID: MB 680-271188/1-A
Matrix: Solid
Analysis Batch: 271298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 271188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0080	mg/Kg		03/29/13 10:50	03/29/13 17:19	1

Lab Sample ID: LCS 680-271188/2-A
Matrix: Solid
Analysis Batch: 271298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 271188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.223	0.232		mg/Kg		104	80 - 120

Lab Sample ID: 680-88766-6 MS
Matrix: Solid
Analysis Batch: 271298

Client Sample ID: CV0613E-CS
Prep Type: Total/NA
Prep Batch: 271188

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.14		0.118	0.262		mg/Kg	☼	101	80 - 120

Lab Sample ID: 680-88766-6 MSD
Matrix: Solid
Analysis Batch: 271298

Client Sample ID: CV0613E-CS
Prep Type: Total/NA
Prep Batch: 271188

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.14		0.0999	0.264	F	mg/Kg	☼	121	80 - 120	1	20

QC Association Summary

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Metals

Prep Batch: 271166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-6	CV0613E-CS	Total/NA	Solid	3050B	
680-88766-6 MS	CV0613E-CS	Total/NA	Solid	3050B	
680-88766-6 MSD	CV0613E-CS	Total/NA	Solid	3050B	
680-88766-12	CV0613K-CS	Total/NA	Solid	3050B	
680-88766-13	CV0613K-CSD	Total/NA	Solid	3050B	
680-88766-22	CV0613E-CS (sieve)	Total/NA	Solid	3050B	
LCS 680-271166/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-271166/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 271187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-23	032613-RB-shovel	Total/NA	Water	200.7	
LCS 680-271187/3-A	Lab Control Sample	Total/NA	Water	200.7	
MB 680-271187/1-A	Method Blank	Total/NA	Water	200.7	

Prep Batch: 271188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-6	CV0613E-CS	Total/NA	Solid	7471B	
680-88766-6 MS	CV0613E-CS	Total/NA	Solid	7471B	
680-88766-6 MSD	CV0613E-CS	Total/NA	Solid	7471B	
680-88766-12	CV0613K-CS	Total/NA	Solid	7471B	
680-88766-13	CV0613K-CSD	Total/NA	Solid	7471B	
680-88766-22	CV0613E-CS (sieve)	Total/NA	Solid	7471B	
LCS 680-271188/2-A	Lab Control Sample	Total/NA	Solid	7471B	
MB 680-271188/1-A	Method Blank	Total/NA	Solid	7471B	

Analysis Batch: 271298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-6	CV0613E-CS	Total/NA	Solid	7471B	271188
680-88766-6 MS	CV0613E-CS	Total/NA	Solid	7471B	271188
680-88766-6 MSD	CV0613E-CS	Total/NA	Solid	7471B	271188
680-88766-12	CV0613K-CS	Total/NA	Solid	7471B	271188
680-88766-13	CV0613K-CSD	Total/NA	Solid	7471B	271188
680-88766-22	CV0613E-CS (sieve)	Total/NA	Solid	7471B	271188
LCS 680-271188/2-A	Lab Control Sample	Total/NA	Solid	7471B	271188
MB 680-271188/1-A	Method Blank	Total/NA	Solid	7471B	271188

Analysis Batch: 271360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-23	032613-RB-shovel	Total/NA	Water	200.7 Rev 4.4	271187
LCS 680-271187/3-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	271187
MB 680-271187/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	271187

Prep Batch: 271376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-23	032613-RB-shovel	Total/NA	Water	245.1	
LCS 680-271376/2-A	Lab Control Sample	Total/NA	Water	245.1	
MB 680-271376/1-A	Method Blank	Total/NA	Water	245.1	

TestAmerica Savannah

QC Association Summary

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Metals (Continued)

Analysis Batch: 271672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-23	032613-RB-shovel	Total/NA	Water	245.1	271376
LCS 680-271376/2-A	Lab Control Sample	Total/NA	Water	245.1	271376
MB 680-271376/1-A	Method Blank	Total/NA	Water	245.1	271376

Analysis Batch: 271678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-6	CV0613E-CS	Total/NA	Solid	6010C	271166
680-88766-6 MS	CV0613E-CS	Total/NA	Solid	6010C	271166
680-88766-6 MSD	CV0613E-CS	Total/NA	Solid	6010C	271166
680-88766-12	CV0613K-CS	Total/NA	Solid	6010C	271166
680-88766-13	CV0613K-CSD	Total/NA	Solid	6010C	271166
680-88766-22	CV0613E-CS (sieve)	Total/NA	Solid	6010C	271166
LCS 680-271166/3-A	Lab Control Sample	Total/NA	Solid	6010C	271166
MB 680-271166/1-A	Method Blank	Total/NA	Solid	6010C	271166

General Chemistry

Analysis Batch: 135922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-6	CV0613E-CS	Total/NA	Solid	Moisture	
680-88766-6 MS	CV0613E-CS	Total/NA	Solid	Moisture	
680-88766-6 MSD	CV0613E-CS	Total/NA	Solid	Moisture	

Analysis Batch: 135931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-12	CV0613K-CS	Total/NA	Solid	Moisture	
680-88766-13	CV0613K-CSD	Total/NA	Solid	Moisture	

Analysis Batch: 271139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-88766-22	CV0613E-CS (sieve)	Total/NA	Solid	Moisture	

Lab Chronicle

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Client Sample ID: CV0613E-CS

Date Collected: 03/25/13 13:43

Date Received: 03/28/13 09:37

Lab Sample ID: 680-88766-6

Matrix: Solid

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 17:34	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 21:07	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135922	03/29/13 10:07	AG	TAL TAM

Client Sample ID: CV0613K-CS

Date Collected: 03/25/13 14:26

Date Received: 03/28/13 09:37

Lab Sample ID: 680-88766-12

Matrix: Solid

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 17:46	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 21:46	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135931	03/29/13 12:01	AG	TAL TAM

Client Sample ID: CV0613K-CSD

Date Collected: 03/25/13 14:28

Date Received: 03/28/13 09:37

Lab Sample ID: 680-88766-13

Matrix: Solid

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 17:49	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 21:51	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	135931	03/29/13 12:01	AG	TAL TAM

Client Sample ID: CV0613E-CS (sieve)

Date Collected: 03/25/13 13:43

Date Received: 03/28/13 09:37

Lab Sample ID: 680-88766-22

Matrix: Solid

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			271188	03/29/13 10:50	UU	TAL SAV
Total/NA	Analysis	7471B		1	271298	03/29/13 17:51	BCB	TAL SAV
Total/NA	Prep	3050B			271166	03/29/13 10:06	JKL	TAL SAV
Total/NA	Analysis	6010C		1	271678	04/02/13 21:56	BCB	TAL SAV
Total/NA	Analysis	Moisture		1	271139	03/29/13 10:00	FS	TAL SAV

Lab Chronicle

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Client Sample ID: 032613-RB-shovel

Lab Sample ID: 680-88766-23

Date Collected: 03/26/13 13:00

Matrix: Water

Date Received: 03/28/13 09:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.7			271187	03/29/13 10:49	BB	TAL SAV
Total/NA	Analysis	200.7 Rev 4.4		1	271360	03/30/13 11:08	BCB	TAL SAV
Total/NA	Prep	245.1			271376	04/01/13 10:19	UU	TAL SAV
Total/NA	Analysis	245.1		1	271672	04/02/13 13:45	BCB	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 59597

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. 2005148-1356	PROJECT LOCATION (STATE) AL	MATRIX TYPE	REQUIRED ANALYSIS										PAGE 1	OF 2			
TAL (LAB) PROJECT MANAGER Lisa Harvey	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)											STANDARD REPORT DELIVERY ☐
CLIENT FAX																	DATE DUE	
																	EXPEDITED REPORT DELIVERY (SURCHARGE) ☐	
																	DATE DUE	
COMPANY CONTR.							PRESERVATIVE										NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS
DATE	TIME																	
3-25-13	1311	CV0613A-CS	C	X			X											
	1315	CV0613A-CSD	C	X			X											
	1320	CV0613 B-CS	C	X			X											
	1325	CV0613 C-CS	C	X			X											
	1330	CV0613 D-CS	C	X			X											
	1343	CV0613 E-CS	C	X			X	X										
	1348	CV0613 F-CS	C	X			X											
	1400	CV0613 G-CS	C	X			X											
	1407	CV0613 H-CS	C	X			X											
	1417	CV0613 I-CS	C	X			X											
	1425	CV0613 J-CS	C	X			X											
	1426	CV0613 K-CS	C	X			X	X										

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-26-13	TIME 13:30	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>		DATE 03/26/13	TIME 0937	CUSTODY INTACT YES ☐ NO ☐	CUSTODY SEAL NO.	SAVANNAH LOG NO. 680 88766	LABORATORY REMARKS 1.4"

Serial Number 59598

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

☐ TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

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☐ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE 35th Ave Removal	PROJECT NO. 2005148-1356	PROJECT LOCATION (STATE) AL	MATRIX TYPE	REQUIRED ANALYSIS										PAGE 2 OF 2
TAL (LAB) PROJECT MANAGER Lisa Harvey	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LLPAH	POLYMER	PRESERVATIVE						STANDARD REPORT DELIVERY ☐		
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX										DATE DUE _____		
CLIENT NAME	CLIENT MAIL											EXPEDITED REPORT DELIVERY (SURCHARGE) ☐		
CLIENT ADDR												DATE DUE _____		
COMPANY CI												NUMBER OF COOLERS SUBMITTED PER SHIPMENT:		

SAMPLE		SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS
DATE	TIME																	
3-25-13	1428	CVO613K - CSD	C	X			X	X										
	1332	CVO613AB - GS	G	X			X											
	1334	CVO613 AC - GS	G	X			X											
	1440	CVO610A - CS	C	X			X											
	1442	CVO610B - CS	C	X			X											
	1439	CVO610AB - GS	G	X			X											
	1506	CVO506A - CS	C	X			X											
	1515	CVO506B - CS	C	X			X											
	1518	CVO014AB - GS	G	X			X											
	1343	CVO613E - CS (sieve)	C	X			X	X										
3-26-13	1300	032613 - RB - Shovel	X				X	X										

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE 3-26-13	TIME 1330	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY			
RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>	DATE 03/28/13	TIME 0937	CUSTODY INTACT YES ☐ NO ☐
CUSTODY SEAL NO.	SAVANNAH LOG NO. 680-88766	LABORATORY REMARKS 1.4 c	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88766-3

SDG Number: 68088766-3

Login Number: 88766

List Number: 1

Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-88766-3

SDG Number: 68088766-3

Login Number: 88766

List Number: 1

Creator: McNulty, Carol

List Source: TestAmerica Tampa

List Creation: 03/29/13 09:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Certification Summary

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	05-31-13
Alabama	State Program	4	41450	06-30-13
Alaska (UST)	State Program	10	UST-104	06-19-13
California	NELAP	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-13
Florida	NELAP	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-13
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-13
Guam	State Program	9	09-005r	04-17-13
Hawaii	State Program	9	N/A	06-30-13
Illinois	NELAP	5	200022	11-30-13
Indiana	State Program	5	N/A	06-30-13
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12 *
Kentucky (UST)	State Program	4	18	03-31-13 *
Louisiana	NELAP	6	30690	06-30-13
Louisiana	NELAP	6	LA100015	12-31-13
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-13
Massachusetts	State Program	1	M-GA006	06-30-13
Michigan	State Program	5	9925	06-30-13
Mississippi	State Program	4	N/A	06-30-13
Montana	State Program	8	CERT0081	01-01-14
Nebraska	State Program	7	TestAmerica-Savannah	06-30-13
New Jersey	NELAP	2	GA769	06-30-13
New Mexico	State Program	6	N/A	06-30-13
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.

TestAmerica Savannah

Certification Summary

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

TestAmerica Job ID: 680-88766-3
SDG: 68088766-3

Laboratory: TestAmerica Tampa (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		P330-11-00177	04-20-14